

Bootstrap Reference Guide

Published on January 1, 2019

Dedicated to my boys Marcus and Joshua,
may you learn to discover, develop, and share your God-given talents.
Matthew 25:14-30

Jacob Lett is the author of the *Bootstrap 4 Quick Start*, and the *Bootstrap Reference Guide*. His books and training help web developers save time learning how to design and build responsive websites.
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Bootstrap Reference Guide

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Design is a plan for arranging elements in such a way as best to accomplish a particular purpose.

— Charles Eames

Hello.

Thank you for purchasing my *Bootstrap Reference Guide*.

Bootstrap is an amazing frontend framework that will save you time and make creating responsive web projects a lot easier.

Do you remember learning how to write a research paper? Perhaps you learned how to follow the MLA or APA Style Guide. Think how different the reports would look if each student made up their own style and format?

Using the MLA Style guaranteed consistency for anyone who followed that same format even if they were thousands of miles away or written five years apart.

I believe Bootstrap works the same way for web design. It helps developers work more efficiently and write CSS in a clean and consistent manner regardless of where you live or who you work for. It also ensures your website adheres to a mobile first approach and works well across browsers and devices.

Let's make a responsive web together!

A handwritten signature in blue ink, appearing to read 'Jason', with a long, sweeping underline.

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Bootstrap 4

Bootstrap 4.2.1

CSS

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMP0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">
```

JS

JS is only necessary if you plan on using one or all of the following components: Alerts, Buttons, Carousel, Collapse, Dropdowns, Modals, Navbar, Tooltips and Scrollspy

```
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>
```

```
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js" integrity="sha384-wHAiFfRlMFy6i5SRaxvfOCifBUQy1xHdJ/yoi7FRNXMRBu5WHdZYu1hA6Z0b1gut" crossorigin="anonymous"></script>
```

```
<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>
```

Components

Alerts	List group
Badge	Media Object
Breadcrumb	Modal
Buttons	Navs
Button group	Navbar
Card	Pagination
Carousel	Popovers
Collapse	Progress
Dropdowns	Scrollspy
Forms	Spinners
Input group	Toasts
Jumbotron	Tooltips

Utilities

Borders	Sizing
Clearfix	Spacing
Close icon	Text
Colors	Vertical align
Display	Visibility
Embed	
Flex	
Float	
Image replacement	
Position	
Screenreaders	
Shadows	

Breakpoints

Extra small devices (portrait phones, less than 576px) do not require a breakpoint because Bootstrap 4 is mobile first.

Breakpoints | Max container width

not needed=Extra small < 576px | None (auto)

sm=Small ≥ 576px | 540px

md=Medium ≥ 768px | 720px

lg=Large ≥ 992px | 960px

xl=Extra large ≥ 1200px | 1140px

Media Queries

Change the width value to set a media query for sm, md, lg, xl.

```
/* Small devices (landscape phones, 576px and up) */
```

```
@media (min-width: 576px) { }
```

Lists

.list-unstyled Removes default list margin

.dl-horizontal Makes list items two columns

.list-inline Makes list items inline

.list-inline-item Added to each li

Example

```
<ul class="social-icons list-inline">
<li class="list-inline-item">item 1</li>
</ul>
```

Typography

.text-left Left aligned text

.text-*-left Left aligned by breakpoint

.text-center Center aligned text

.text-right Right aligned text

.text-justify Justified text

.text-nowrap No wrap text

.text-(lowercase, uppercase, capitalize) Changes the text capitalization style

.text-decoration-none Removes decoration

.text-truncate Truncate text with ellipsis

.lead Good for first paragraph of article

.text-monospace Changes to monospace font

.font-weight-(bold, bolder, normal, light, lighter, italic) Changes the font weight

.blockquote Slightly increases font-size and sets a bottom margin for blockquotes

.(h1, h2, h3, h4, h5, h6) Used to make an element match the heading styles

.display-(1, 2, 3, 4) Large display text. 1=96px, 2=88px, 3=72px, 4=56px

Colors

.text-primary

.bg-primary

.text-secondary

.bg-secondary

.text-success

.bg-success

.text-danger

.bg-danger

.text-warning

.bg-warning

.text-info

.bg-info

.text-light

.bg-light

.text-dark

.bg-dark

.text-body

.bg-white

.text-muted

.bg-transparent

.text-white

.text-black-50

.text-white-50

Bootstrap 4

Images

`.img-fluid` Make an image responsive
`.rounded` Adds rounded corners to image
`.rounded-circle` Crops image to be circle
`.img-thumbnail` Adds rounded corner and img border

Floats

`.float-left` Floats item left
`.float-right` Floats item right
`.float-none` Removes float
`.float-*-*` Add breakpoints if needed

Borders

Add border

`.border` Add border to all sides
`.border-*` (top, right, bottom, left) Add border on a certain edge

Remove Border

`.border-0` Remove border to all sides
`.border-*-0` (top, right, bottom, left) Remove border on a certain edge

Border Radius

`.rounded` Adds border radius on all edges
`.rounded-*` (top, right, bottom, left, circle) Adds a border radius
`.rounded-0` Removes border radius

Display

Value can equal one of the following:
`none`, `inline`, `inline-block`, `block`,
`table`, `table-cell`, `table-row`, `flex`,
`inline-flex`

`.d-(value)` for xs
`.d-(sm, md, lg, and xl)-(value)` sets display value for breakpoint and up

Position

`.position-(static, relative, absolute, fixed, sticky)` Sets CSS position values but not responsive
`.fixed-(top, bottom)` Position an element to the top of the viewport.
`.sticky-top` Position an element at the top of the viewport, but only after you scroll past it. Not fully supported in IE.

Shadows

`.shadow` The regular sized box drop shadow
`.shadow-(none, sm, lg)` Remove box drop shadow or change its size.

Sizing

Make an element as wide or as tall (relative to its parent)

`.w-(5%, 50%, 75%, 100%, auto)` Sets width
`.h-(5%, 50%, 75%, 100%, auto)` Sets height
`.mw-(5%, 50%, 75%, 100%, auto)` Sets max-width
`.mh-(5%, 50%, 75%, 100%, auto)` Sets max-height

Spacing

Sides

t= top, **b**=bottom, **l**=left, **r**=right,
x=x axis, **y**=y-axis

Size

The values for each level of spacing are calculation of the base font size which is 16px or 1rem.

Here the pixel equivalents. **0**=0px, **1**=4px, **2**=2px, **3**=16px, **4**=24px, **5**=48px, **auto**

.m(t, b, l, r, x, y)-(sm, md, lg, and xl)-(0, 1, 2, 3, 4, 5, auto) Sets margin value, remove breakpoint for xs

.p(t, b, l, r, x, y)-(sm, md, lg, and xl)-(0, 1, 2, 3, 4, 5, auto) Sets padding value, remove breakpoint for xs

.mx-auto Used to horizontally center an element relative to parent container

Negative Margin

Add the letter n in from of the margin size value to apply a negative margin.

For example: **.mt-n1** would apply a size 1 negative top margin.

Vertical Align

.align-(baseline, top, middle, bottom, text-top, text-bottom) Changes the vertical alignment of inline, inline-block, inline-table, and table cell elements.

Visibility

These classes do not modify the display property and do not affect layout.

.visible Takes up space and visible

.invisible Takes up space and invisible

Overflow

Set how content overflows a parent element.

.overflow-auto Container will have a scroll if the content overflows

.overflow-hidden The container will not scroll and the content will be cut off.

Screenreaders

.sr-only Only show on screen readers

.sr-only-focusable Show element when it has a focused state

Bootstrap 4

Starter Template

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css" integrity="sha384-GJzZqFGwb1QTTN6wy59ffF1BuGJpLSa9DkKMP0DgiMDm4iYMj70gZWKYbI706tWS" crossorigin="anonymous">
    <!-- Main CSS -->
    <link rel="stylesheet" href="css/main.css">
  </head>
  <body>
    <div class="container">
      <h1>Hello, world!</h1>
      <div class="row">
        <div class="col-sm-6">Left Column</div>
        <div class="col-sm-6">Right Column</div>
      </div>
    </div>
    <!-- jQuery first, then Tether, then Bootstrap JS. -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js" integrity="sha384-wHAiFfRlMFy6i5SRaxvf0CifBUQy1xHdJ/yoi7FRNXMRBu5WHdZYu1hA6Z0bLgut" crossorigin="anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js" integrity="sha384-B0UglyR+jN6CkvvICOB2joaf5I4l3gm9GU6Hc1og6Ls7i6U/mkkaduKaBhlAXv9k" crossorigin="anonymous"></script>
    <!-- Main JS -->
    <script src="js/main.js"></script>
  </body>
</html>
```

One Column Centered Grid

```
<div class="container">
  <div class="row justify-content-
center">
    <div class="col-md-6"></div>
  </div>
</div>
```

Two Column Grid

```
<div class="container">
  <div class="row">
    <div class="col-sm-6"></div>
    <div class="col-sm-6"></div>
  </div>
</div>
```

Three Column Grid

```
<div class="container">
  <div class="row">
    <div class="col-sm-4"></div>
    <div class="col-sm-4"></div>
    <div class="col-sm-4"></div>
  </div>
</div>
```

Four Column Grid

```
<div class="container">
  <div class="row">
    <div class="col-sm-3"></div>
    <div class="col-sm-3"></div>
    <div class="col-sm-3"></div>
    <div class="col-sm-3"></div>
  </div>
</div>
```

Figures

```
<figure class="figure">
  
  <figcaption class="figure-caption">A
caption for the above image.</figcaption>
</figure>
```

Media Object

```
<div class="media">
  
  <div class="media-body">
    <h5 class="mt-0">Media heading</h5>
    Media object description text
  </div>
```

Code

<code>

Used to display inline code in a paragraph

<pre class="pre-scrollable">

Display multiple lines of code. Use **.pre-scrollable** class to set a max-height of 340px and provide a y-axis scrollbar

<var>

Used to display math variables

<kbd>

Used to display keyboard input

<samp>

Used to display sample output

Bootstrap 4

Navbar

```
<nav class="navbar navbar-toggleable-md navbar-dark bg-primary">
  <button class="navbar-toggler navbar-toggler-right" type="button" data-
toggle="collapse" data-target="#navbarNavDropdown" aria-controls="navbarNavDropdown"
aria-expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <a class="navbar-brand" href="#">Navbar</a>
  <div class="collapse navbar-collapse" id="navbarNavDropdown">
    <ul class="navbar-nav">
      <li class="nav-item active">
        <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Features</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Pricing</a>
      </li>
      <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="http://example.com"
id="navbarDropdownMenuLink" data-toggle="dropdown" aria-haspopup="true" aria-
expanded="false">
          Dropdown link
        </a>
        <div class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink">
          <a class="dropdown-item" href="#">Action</a>
          <a class="dropdown-item" href="#">Another action</a>
          <a class="dropdown-item" href="#">Something else here</a>
        </div>
      </li>
    </ul>
  </div>
</nav>
```

Modal

```
<!-- Button trigger modal -->
<button type="button" class="btn btn-primary" data-toggle="modal" data-
target="#myModal">
  Launch demo modal
</button>

<!-- Modal -->
<div class="modal fade" id="myModal" tabindex="-1" role="dialog" aria-
labelledby="exampleModalLabel" aria-hidden="true">
  <div class="modal-dialog" role="document">
    <div class="modal-content">
      <div class="modal-header">
        <h5 class="modal-title" id="exampleModalLabel">Modal title</h5>
        <button type="button" class="close" data-dismiss="modal" aria-label="Close">
          <span aria-hidden="true">&times;</span></button>
      </div>
      <div class="modal-body">
        <h2>Modal body heading</h2>
        <p>Modal body text description</p>
      </div>
      <div class="modal-footer">
        <button type="button" class="btn btn-secondary" data-dismiss="modal">Close</
button>
        <button type="button" class="btn btn-primary">Save changes</button>
      </div>
    </div>
  </div>
</div>
```

Bootstrap 4

Forms

```
<form>
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail1" aria-
describedby="emailHelp" placeholder="Enter email">
    <small id="emailHelp" class="form-text text-muted">We'll never share your email
with anyone else.</small>
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword1"
placeholder="Password">
  </div>
  <div class="checkbox">
    <label>
      <input type="checkbox"> Check me out
    </label>
  </div>
  <button type="submit" class="btn btn-primary">Submit</button>
</form>
```

Buttons

.btn Needs to be added to all buttons because it adds padding and margin

.btn-* primary, secondary, success, danger, warning, info, light, dark, link

.btn-outline-* primary, secondary, success, danger, warning, info, light, dark, link

.btn-lg Large button

.btn-sm Smaller than default button

Example

```
<a class="btn btn-primary" href="#" role="button">Link</a>
<button class="btn btn-secondary" type="submit">Button</button>
```

Carousel

```
<div id="carousel-name" class="carousel slide" data-ride="carousel">
  <ol class="carousel-indicators">
    <li data-target="#carousel-name" data-slide-to="0" class="active"></li>
    <li data-target="#carousel-name" data-slide-to="1"></li>
    <li data-target="#carousel-name" data-slide-to="2"></li>
  </ol>
  <div class="carousel-inner" role="listbox">
    <div class="carousel-item active">
      
      <div class="carousel-caption d-none d-md-block">
        <h3>Carousel Slider Title</h3>
        <p>Description text to further describe the content of the slide image</p>
        <a href="" class="btn btn-primary">Call to Action</a>
      </div>
    </div>
    <div class="carousel-item">
      
      <div class="carousel-caption d-none d-md-block">
        <a href="" class="btn btn-primary">Call to Action</a>
      </div>
    </div>
  </div>
  <a class="carousel-control-prev" href="#carousel-name" role="button" data-slide="prev">
    <span class="carousel-control-prev-icon" aria-hidden="true"></span>
    <span class="sr-only">Previous</span>
  </a>
  <a class="carousel-control-next" href="#carousel-name" role="button" data-slide="next">
    <span class="carousel-control-next-icon" aria-hidden="true"></span>
    <span class="sr-only">Next</span>
  </a>
</div>
```


Bootstrap 4

Jumbotron

```
<div class="jumbotron jumbotron-fluid">
  <div class="container">
    <h1 class="display-3">Fluid jumbotron</h1>
    <p class="lead">This is a modified jumbotron that occupies the entire horizontal
space of its parent.</p>
  </div>
</div>
```

Card

```
<div class="card" style="width: 20rem;">
  
  <div class="card-body">
    <h4 class="card-title">Card title</h4>
    <p class="card-text">Some quick example text to build on the card title and make up
the bulk of the card's content.</p>
    <a href="#" class="btn btn-primary">Go somewhere</a>
  </div>
</div>
```

Breadcrumbs

```
<ol class="breadcrumb">
  <li><a href="#">Home</a></li>
  <li><a href="#">Library</a></li>
  <li class="active">Data</li>
</ol>
```

Responsive embed

```
<div class="embed-responsive embed-responsive-16by9">
  <iframe class="embed-responsive-item" src="..."></iframe>
</div>
```

Tables

```
<table class="table">
  <thead class="thead-dark">
    <tr>
      <th>#</th>
      <th>thead-dark</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
      <td>Nina</td>
    </tr>
  </tbody>
</table>
```

```
<table class="table">
  <thead class="thead-light">
    <tr>
      <th>#</th>
      <th>thead-light</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
      <td>Nina</td>
    </tr>
  </tbody>
</table>
```

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Bootstrap 4

Component CSS Format and Media Queries

```
/*
 * Component section heading
 *
 * Component description and use
 */

/* base - shared styles */
.component { width: 220px; }

/* Sub-component with component name as a prefix to isolate styles and
break the cascade. */

.component-heading {
  display: block;
  width: 100px;
  font-size: 1rem;
}

/* variant - alert color */
.component-alert {
  color: #ff0000;
}

/* variant - success color */
.component-success {
  color: #00ff00;
}

/* Add media queries below components instead of a separate stylesheet
or section to make updating easier */

@media (min-width: 480px) {
  .component-heading { width:auto; }
}
```

Alphabetical Index of CSS Classes

.active
.accordion
.alert
.alert-(primary, secondary, success, danger, warning, info, light, dark)
.alert-dismissible
.alert-heading
.alert-link
.align-(baseline, top, middle, bottom, text-top, text-bottom)
.align-content-(sm, md, lg, xl)-(around, between, center, end, start, stretch)
.align-items-(sm, md, lg, xl)-(baseline, center, end, start, stretch)
.align-self-(sm, md, lg, xl)-(auto, baseline, center, end, start, stretch)
.arrow
.badge
.badge-(primary, secondary, success, danger, warning, info, light, dark)
.badge-pill
.bg-(primary, secondary, success, danger, warning, info, light, dark, transparent, white)
.blockquote
.blockquote-footer
.border-(light, dark primary, secondary, transparent, white, warning, success, info, danger, 0, top-0, right-0, bottom-0, left-0)
.border-(bottom, left, right, top)
.breadcrumb
.breadcrumb-item
.bs-popover-(auto, bottom, left, right, top)
.bs-tooltip-(auto, bottom, left, right, top)
.btn
.btn-block
.btn-group
.btn-group-(sm, lg)
.btn-group-toggle
.btn-group-vertical
.btn-(sm, lg)
.btn-link
.btn-outline-(primary, secondary, success, danger, warning, info, light, dark)
.btn-(primary, secondary, success, danger, warning, info, light, dark)
.btn-toolbar
.card
.card-body
.card-columns
.card-deck
.card-footer
.card-group
.card-header
.card-header-pills
.card-header-tabs
.card-img
.card-img-bottom
.card-img-overlay
.card-img-top
.card-link
.card-subtitle
.card-text
.card-title
.carousel
.carousel-caption

Bootstrap 4

.carousel-control-(next, prev)
.carousel-control-(next, prev)-icon
.carousel-fade
.carousel-indicators
.carousel-inner
.carousel-item
.carousel-item-(left, right)
.carousel-item-(next, prev)
.clearfix
.close
.col
.col-(sm, md, lg, xl)-(1-12)
.col-auto
.col-form-label
.col-form-label-(sm, lg)
.collapse
.collapsing
.container
.container-fluid
.custom-checkbox
.custom-control
.custom-control-inline
.custom-control-input
.custom-control-label
.custom-file
.custom-file-control
.custom-file-input
.custom-file-label
.custom-radio
.custom-range
.custom-select
.custom-select-(sm, lg)
.custom-switch
.d-(sm, md, lg, xl)-(none, inline, inline-block, block, table, table-cell, table-row, flex, inline-flex)
.d-print-(block, inline, inline-block, none, flex, inline-flex, table, table-cell, print-table-row)
.disabled
.display-(1, 2, 3, 4)
.dropdown
.dropdown-divider
.dropdown-header
.dropdown-item
.dropdown-item-text
.dropdown-menu
.dropdown-menu-right
.dropdown-toggle
.dropdown-toggle-split
.dropleft
.dropright
.dropup
.embed-responsive
.embed-responsive-(16by9, 1by1, 21by9, 4by3)
.embed-responsive-item
.fade
.figure
.figure-caption
.figure-img
.fixed-bottom
.fixed-top
.flex-(sm, md, lg, xl)-(row, row-reverse, column)
.flex-(sm, md, lg, xl)-(nowrap, wrap, wrap-reverse)
.flex-column
.flex-column-reverse
.flex-fill
.flex-grow-*
.flex-shrink-*
.float-(sm, md, lg, xl)-(none, left,

right)
.focus
.font-italic
.font-weight-(bold, light, normal)
.form-check
.form-check-inline
.form-check-input
.form-check-label
.form-control
.form-control-file
.form-control-(sm, lg)
.form-control-plaintext
.form-control-range
.form-group
.form-inline
.form-row
.form-text
.h-(100, 75, 50, 25, auto)
(h1-h6)
.hide
.img-fluid
.img-thumbnail
.initialism
.input-group
.input-group-append
.input-group-(sm, lg)
.input-group-prepend
.input-group-text
.invalid-feedback
.invalid-tooltip
.invisible
.is-invalid
.is-valid
.jumbotron
.jumbotron-fluid
.justify-content-(sm, md, lg, xl)-(start, end, center, between, around)
.lead
.list-group
.list-group-flush
.list-group-item
.list-group-item-action
.list-group-item-(primary, secondary, success, danger, warning, info, light, dark)
.list-inline
.list-inline-item
.list-unstyled
.m(t,b,r,l,x,y)-(sm, md, lg, xl)-(0, 1, 2, 3, 4, 5)
.mark
.media
.media-body
.mh-100
.modal
.modal-backdrop
.modal-body
.modal-content
.modal-dialog
.modal-dialog-centered
.modal-footer
.modal-header
.modal-(sm, lg)
.modal-open
.modal-scrollbar-measure
.modal-title
.nav
.nav-fill
.nav-item
.nav-justified
.nav-link
.nav-pills

Bootstrap 4

.nav-tabs
.navbar
.navbar-brand
.navbar-collapse
.navbar-(dark, light)
.navbar-expand-(sm, md, lg, xl)
.navbar-nav
.navbar-text
.navbar-toggler
.navbar-toggler-icon
.no-gutters
.offset-(sm, md, lg, xl)-(1-12)
.order-(sm, md, lg, xl)-first
.order-(sm, md, lg, xl)-last
.order-(sm, md, lg, xl)-(0-12)
.p(t,b,r,l,x,y)-(sm, md, lg, xl)-(0, 1, 2, 3, 4, 5)
.page-item
.page-link
.pagination
.pagination-(sm, lg)
.popover
.popover-body
.popover-header
.position-(absolute, fixed, relative, static, sticky)
.pre-scrollable
.progress
.progress-bar
.progress-bar-animated
.progress-bar-striped
.rounded
.rounded-(top, right, bottom, left, circle, 0)
.rounded-circle
.row
.shadow-(none, sm, lg)
.show
.small
.sr-only
.sr-only-focusable
.tab-content
.tab-pane
.table
.table-active
.table-bordered
.table-borderless
.table-hover
.table-(primary, secondary, success, danger, warning, info, light, dark)
.table-responsive-(sm, md, lg, xl)
.table-sm
.table-striped
.text-(primary, secondary, success, danger, warning, info, light, dark, muted, white)
.text-hide
.text-justify
.text-(sm, md, lg, xl)-(center, left, right)
.text-(lowercase, uppercase, capitalize, black-50, body, monospace, white-50)
.text-nowrap
.text-truncate
.text-warning
.thead-dark
.thead-light
.tooltip
.tooltip-inner
.valid-feedback
.valid-tooltip
.visible
.w-(100, 75, 50, 25)

.was-validated

.w-auto

Bootstrap 4

Convert Pixels to REMS

Pixels	REMS	Pixels	REMS
1 px	0.0625	26	1.625
2 px	0.125	27	1.6875
3 px	0.1875	28	1.75
4 px	0.25	29	1.8125
5 px	0.3125	30	1.875
6 px	0.375	31	1.9375
7 px	0.4375	32	2
8 px	0.5	33	2.0625
9 px	0.5625	34	2.125
10 px	0.625	35	2.1875
11 px	0.6875	36	2.25
12 px	0.75	37	2.3125
13 px	0.8125	38	2.375
14 px	0.875	39	2.4375
15 px	0.9375	40	2.5
Default Bootstrap 4 font size 16 px	1	41	2.5625
17 px	1.0625	42	2.625
18 px	1.125	43	2.6875
19 px	1.1875	44	2.75
20 px	1.25	45	2.8125
21 px	1.3125	46	2.875
22 px	1.375	47	2.9375
23 px	1.4375	48	3
24 px	1.5	49	3.0625
25 px	1.5625	50	3.125

Multiples of Common Units of Measure

Multiples of 15		Multiples of 30	
15	405	30	810
30	420	60	840
45	435	90	870
60	450	120	900
75	465	150	930
90	480	180	960
105	495	210	990
120	510	240	1020
135	525	270	1050
150	540	300	1080
165	555	330	1110
180	570	360	1140
195	585	390	1170
210	600	420	1200
225	615	450	1230
240	630	480	1260
255	645	510	1290
270	660	540	1320
285	675	570	1350
300	690	600	1380
315	705	630	1410
330	720	660	1440
345	735	690	1470
360	750	720	1500
375	765	750	1530
390	780	780	1560

Flexbox Reference

Flexbox Reference

Below is flexbox example markup. You could apply flexbox CSS properties manually, but things can get cumbersome when you are trying to apply responsive functionality. The benefit of using Bootstrap 4 flexbox utility classes is that you can set flexbox properties and target specific breakpoints.

```
<div class="flex-container">  
  <div class="flex-item-a">flex item with a class .flex-item-a</div>  
  <div>flex item</div>  
  <div>flex item</div>  
</div>
```

The following pages compares vanilla CSS flexbox to Bootstrap 4 flexbox utility classes to help you decide which approach is best for your situation.

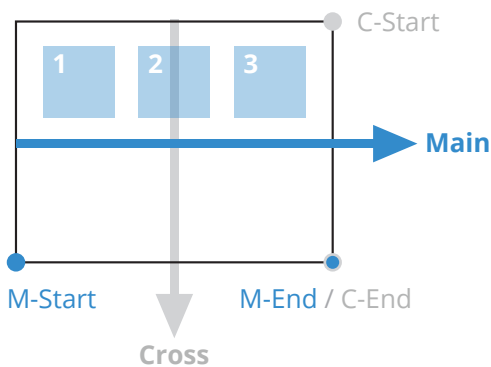
Flexbox Reference

Flex Container

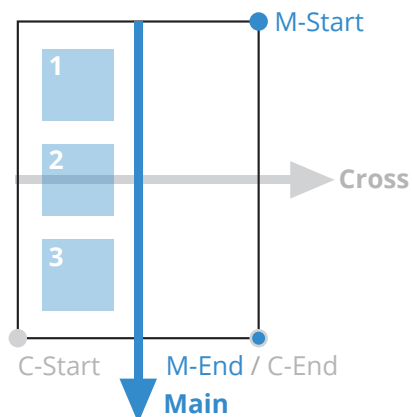
Flex layout gives the container the ability to alter its items' width/height (and order) to best fill the available space of the container.

The container has a main axis and cross axis which depends on the flex direction. Each axis has a start and end. For example, if you set the flex direction to column. The main axis is vertical and the cross axis is horizontal. If you set the flex direction to row, the main axis is horizontal and the cross axis is vertical.

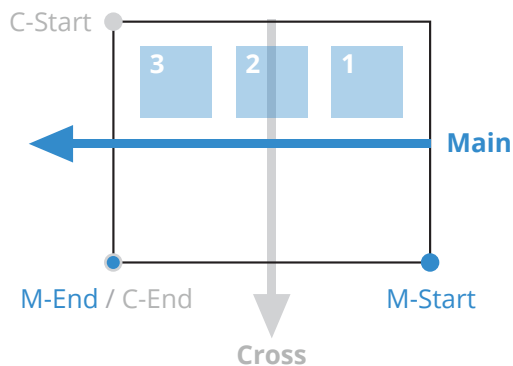
flex-direction: row



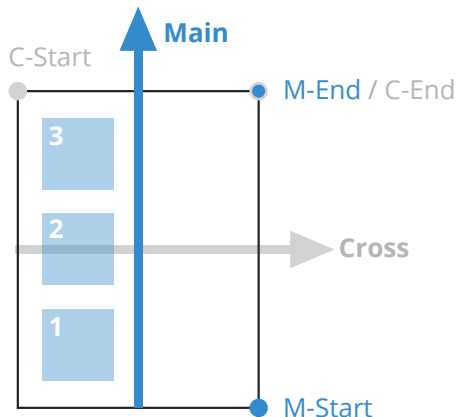
flex-direction: column



flex-direction: row-reverse



flex-direction: column-reverse



FLEXBOX CONTAINER

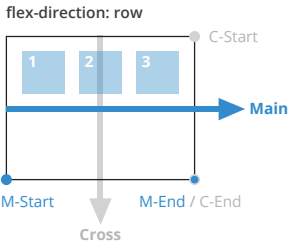
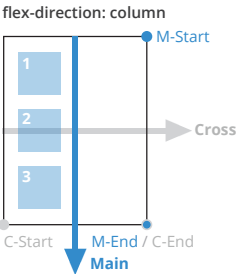
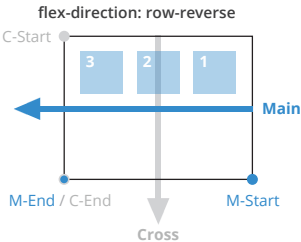
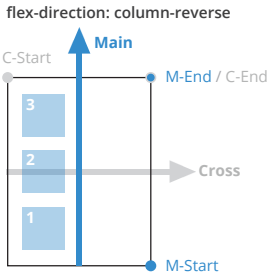
Step 1: Do you want the container to behave like a block or inline element?

CSS	Bootstrap 4
<p>display: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/display#Values</p> <p>flex makes the container act display block</p> <p>inline-flex makes the container act display inline</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#enable-flex-behaviors</p> <p>.d-flex .d-inline-flex .d-(sm, md, lg, xl)-(flex, inline-flex)</p>

Flexbox Reference

FLEXBOX CONTAINER

Step 2: Do you want your main axis to be vertical or horizontal?

CSS	Bootstrap 4
<p>flex-direction:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-direction</p> <p>row (default) left to right</p> <p>row-reverse right to left</p> <p>column top to bottom</p> <p>column-reverse reverse = bottom to top</p> <div><div><p>flex-direction: row</p></div><div><p>flex-direction: column</p></div><div><p>flex-direction: row-reverse</p></div><div><p>flex-direction: column-reverse</p></div></div>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#direction</p> <p>.flex-row .flex-row-reverse .flex-column .flex-column-reverse .flex-(sm, md, lg, xl)-(row, row-reverse, column, column-reverse)</p>

FLEXBOX CONTAINER

Step 3: How do you want the extra space to be distributed along the main axis?

CSS	Bootstrap 4
<p>justify-content: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/justify-content</p> <p>flex-start (default) items anchored to the start</p> <p>flex-end items anchored to the start</p> <p>center items centered</p> <p>space-between items evenly distributed in the line. First item in on the start and last item is at the end</p> <p>space-around start and end items are not to the edge but have 1 unit of space on each side</p> <p>space-evenly similar to space-around, except all space is the same</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#justify-content</p> <p>.justify-content-start .justify-content-end .justify-content-center .justify-content-between .justify-content-around .justify-content-(sm, md, lg, xl)- (start, end, center, between, around)</p>

Flexbox Reference

FLEXBOX CONTAINER

Step 4: How do you want the extra space of LINES of items to be distributed along the cross axis?

CSS	Bootstrap 4
<p>align-content: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/align-content</p> <p>flex-start items anchored to the start</p> <p>flex-end items anchored to the end</p> <p>center items centered</p> <p>space-between first line at the start of the container and the last one is at the end</p> <p>space-around lines are evenly distributed with equal space around each line</p> <p>stretch (default) lines stretch to take up the space that is left</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#align-content</p> <p>.align-content-start .align-content-end .align-content-center .align-content-around .align-content-stretch .align-content-(sm, md, lg, xl)- (start, end, center, around, stretch)</p>

FLEXBOX CONTAINER

Step 5: How do you want the extra space between items to be distributed along the cross axis?

CSS	Bootstrap 4
<p>align-items: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/align-items</p> <p>flex-start cross axis align items to start</p> <p>flex-end cross axis align items to end</p> <p>center cross axis align items center</p> <p>baseline align baselines</p> <p>stretch (default) stretch to fill the container</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#align-items</p> <p>.align-items-start .align-items-end .align-items-center .align-items-baseline .align-items-stretch .align-items-(sm, md, lg, xl)-(start, end, center, baseline, stretch)</p>

Flexbox Reference

FLEXBOX CONTAINER

Step 6: Do you want the items to wrap if they don't fit on one line?

CSS	Bootstrap 4
<p>flex-wrap:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-wrap</p> <p>nowrap (default)</p> <p>all items will try to stay on one line</p> <p>wrap</p> <p>if items don't fit they will wrap and create a new line below</p> <p>wrap-reverse</p> <p>if items don't fit they will wrap and create a new line above</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#wrap</p> <p>.flex-nowrap</p> <p>.flex-wrap</p> <p>.flex-wrap-reverse</p> <p>.flex-(sm, md, lg, xl)-(nowrap, wrap, wrap-reverse)</p>

Shorthand property

This is a shorthand property that sets the **flex-direction** and **flex-wrap** properties. I suggest avoid using this until you learn the core properties because it could make things more confusing.

CSS	Bootstrap 4
<p>flex-flow:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-flow</p> <p>< flex-direction > < flex-wrap ></p> <p>example: flex-flow: column-reverse wrap-reverse; or just flex-flow: wrap-reverse;</p>	<p>Since Bootstrap uses classes there is no shorthand property available.</p>

Flex Item

Do you want to override the parent settings and give a specific item their own unique settings? You will first need to write a custom class and add it to the item you would like to modify.

- Flexbox items follow the orders given by their container.
- By default, flex items all want to appear on the same line
- Individual flexbox items can be targeted with a unique class and property to override the orders given by their container. The example below uses the class `.flex-item-a` to make adjustments to only `flex-item-a`

Example:

HTML

```
<div class="flex-container">  
  <div class="flex-item-a">.flex-item-a</div>  
  <div class="flex-item-b">.flex-item-b</div>  
  <div class="flex-item-c">.flex-item-c</div>  
</div>
```

CSS

```
.flex-item-a {  
  order: 3;  
  font-weight: bold;  
}
```

Result



Flexbox Reference

FLEXBOX ITEM

Step 1: Do you want to change the order of this item relative to the other items?

CSS	Bootstrap 4
<p>order:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/order</p> <p>[number]</p> <p>default is 0</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#order</p> <p>.order-(1-12)</p> <p>.order-sm-(1-12)</p> <p>.order-md-(1-12)</p> <p>.order-lg-(1-12)</p> <p>.order-xl-(1-12)</p>

FLEXBOX ITEM

Step 2: Do you want to have this item take up more space than the other items?

CSS	Bootstrap 4
<p>flex-grow:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-grow</p> <p>[number]</p> <p>default is 0</p>	<p>No classes available</p>

FLEXBOX ITEM

Step 3: Do you want this item to take less space than the other items?

CSS	Bootstrap 4
flex-shrink: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-shrink [number] default is 0	No classes available

FLEXBOX ITEM

Step 4: Do you want to set the default size of this item before the other item sizes are set?

CSS	Bootstrap 4
flex-basis: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex-basis [length] A number followed by px, em, rem, or %. Check the docs for additional keywords auto (default) look at my width or height property	No classes available

Flexbox Reference

FLEXBOX ITEM

Step 5: Do you want to override the align-items value for this item?

CSS	Bootstrap 4
<p>align-self: Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/align-self</p> <p>auto inherits the parent container's align-items property</p> <p>flex-start cross-start margin is on the cross start line</p> <p>flex-end cross-end margin is on the cross end line</p> <p>center centers are aligned</p> <p>baseline baselines are aligned</p> <p>stretch (default) fill the container</p>	<p>Use one or a combination of classes below to specify what breakpoints you would like the properties to be applied.</p> <p>Docs: http://getbootstrap.com/docs/4.0/utilities/flex/#align-self</p> <p>.align-self-start .align-self-end .align-self-center .align-self-baseline .align-self-stretch .align-self-sm-(start, end, center, baseline, stretch) .align-self-md-(start, end, center, baseline, stretch) .align-self-lg-(start, end, center, baseline, stretch) .align-self-xl-(start, end, center, baseline, stretch)</p>

Shorthand property

This is the shorthand for flex-grow, flex-shrink and flex-basis combined.

CSS	Bootstrap 4
<p>flex:</p> <p>Docs: https://developer.mozilla.org/en-US/docs/Web/CSS/flex</p> <p>example:</p> <p>Three values: flex-grow flex-shrink flex-basis flex: 2 2 10%;</p>	<p>Since Bootstrap uses classes there is no shorthand property available</p>

Colors Reference

Colors Reference

How to use RGBA in your CSS

```
.rgba-color {color: rgba(2, 117, 216, 0.5);}
```

RGBA is a lot like light shining through a stained glass window. The more light that shines through the window, the brighter the color. The less light shining through the window, the color becomes darker. RGBA stands for red, green, blue, and alpha. Each color has a maximum value of 255. If all RGB values are the same you will have a gray value. The maximum value for Alpha is 1, which means 100%. A lower alpha value will allow background colors to show through.

Code example: <https://codepen.io/JacobLett/pen/eRPeyj>

Key

A: Link hover	J: Danger alert background
B: Input focus border color	K: Warning
C: Primary	L: Warning alert background
D: Primary alert background	M: Info
E: Secondary	N: Info alert background
F: Secondary alert background	O: Light
G: Success	P: Light alert background
H: Success alert background	Q: Dark
I: Danger	R: Dark alert background

Colors Reference

Primary



HEX
007bff

RGB
0.123.255



HEX
0069d9

RGB
0.105.217



HEX
80bfff

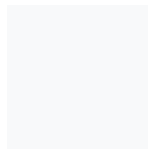
RGB
128.189.255

Grays



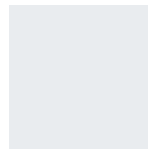
HEX
fff

RGB
1.76.140



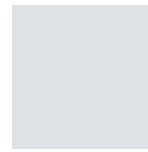
HEX
f8f9fa

RGB
248.249.250



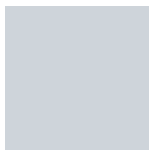
HEX
e9ecef

RGB
233.236.239



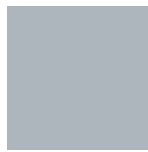
HEX
dee2e6

RGB
222.226.230



HEX
ced4da

RGB
206.212.218



HEX
adb5bd

RGB
173.181.189



HEX
868e96

RGB
134.142.150



HEX
495057

RGB
73.80.87



HEX
343a40

RGB
52.58.64



HEX
212529

RGB
33.37.41



HEX
000

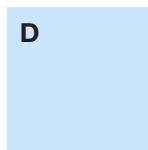
RGB
0.0.0

Contextual



HEX
007bff

RGB
0.123.255



HEX
cce5ff

RGB
204.229.255



HEX
868e96

RGB
134.142.150



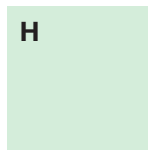
HEX
e7e8ea

RGB
231.232.234



HEX
28a745

RGB
40.167.69



HEX
d4edda

RGB
212.237.218



HEX
dc3545

RGB
220.53.69



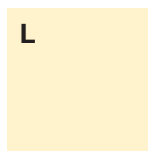
HEX
f8d7da

RGB
248.215.218



HEX
#ffc107

RGB
255.193.7



HEX
#fff3cd

RGB
255.243.205



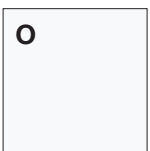
HEX
17a2b8

RGB
23.162.184



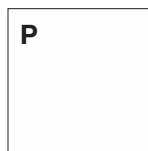
HEX
d1ecf1

RGB
209.236.241



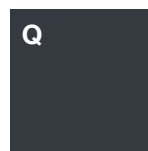
HEX
f8f9fa

RGB
248.249.250



HEX
#fefefe

RGB
254.254.254



HEX
343a40

RGB
52.58.64



HEX
d6d8d9

RGB
214.216.217

Colors Reference

A large, stylized number '3' in a dark purple color serves as a background element, spanning most of the page width and height.

Bootstrap 3

Bootstrap 3.4.0

CSS

```
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css" integrity="sha384-PmY9l28Yg04JwMKbTvgaS7XNZJ30MK9FAZjjzXtlqyZCqBY6X6bXIkm++IkyinN+" crossorigin="anonymous">
```

JS

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.4/jquery.min.js"></script>
<script src="https://stackpath.bootstrapcdn.com/bootstrap/3.4.0/js/bootstrap.min.js" integrity="sha384-vhJnz10VIdLktyixHY4Uk30HEwdQqPppqYR8+5mjsauETgLOcEynD9oPHhz18Nw" crossorigin="anonymous"></script>
```

CSS

Typography
 Code
 Tables
 Forms
 Buttons
 Images
 Helper classes
 Responsive utilities

JavaScript

Transitions
 Modal
 Dropdown
 Scrollspy
 Tab
 Tooltip
 Popover
 Alert
 Button
 Collapse
 Carousel
 Affix

Components

Glyphicons
 Dropdowns
 Button groups
 Button dropdowns
 Input groups
 Navs
 Navbar
 Breadcrumbs
 Pagination
 Labels
 Badges
 Jumbotron
 Page header
 Thumbnails
 Alerts
 Progress bars
 Media object
 List group
 Panels
 Responsive embed
 Wells

Bootstrap 3

Grid

Basic grid - full width is 12 columns wide

```
<!-- change .container to .container-fluid  
to be full width -->
```

```
<div class="container">  
  <!-- Columns are always 50% wide, on  
mobile and desktop -->  
  <div class="row">  
    <div class="col-xs-6">.col-xs-6</div>  
    <div class="col-xs-6">.col-xs-6</div>  
  </div>  
  <!-- nested columns example -->  
  <div class="row">  
    <div class="col-xs-6">.col-xs-6</div>  
    <div class="col-xs-6">.col-xs-6  
      <div class="row">  
        <div class="col-md-6">100% mobile  
50% everywhere else</div>  
        <div class="col-md-6">100% mobile  
50% everywhere else</div>  
      </div>  
    </div>  
  </div>  
</div>
```

Media queries

```
/* Extra small devices (phones, less than  
768px) No media query since this is the  
default in Bootstrap */  
/* small (tablets, 768px and up) */  
@media (min-width: @screen-sm-min) { ... }  
/* medium (desktops, 992px and up) */  
@media (min-width: @screen-md-min) { ... }  
/* large (large desktops, 1200px and up)  
*/  
@media (min-width: @screen-lg-min) { ... }
```

Text & Images

```
.text-left Left aligned text  
.text-center Center aligned text  
.text-right Right aligned text  
.text-justify Justified text  
.text-nowrap No wrap text  
.text-lowercase Lowercase text  
.text-uppercase Uppercase text  
.text-capitalize Capitalized text  
.lead Good for first paragraph of article  
.list-unstyled Removes default list  
margin/padding  
.list-inline Makes list items inline  
.dl-horizontal Makes list items two  
columns  
.img-responsive Make an image responsive  
.img-rounded Adds rounded corners to  
image  
.img-circle Crops image to be circle  
.img-thumbnail Adds rounded corner and  
border to an image  
.pull-left Floats item left  
.pull-right Floats item right  
.center-block Set an element to block  
with auto left and right margin  
.clearfix Clear floats by adding this  
class to the parent container
```

Blockquote

```
<blockquote><p>Lorem ipsum dolor</p>  
<footer>Someone famous in <cite  
title="Source Title">Source Title</  
cite></footer></blockquote>
```

Headings

```
<h1>h1. Bootstrap heading  
<small>Secondary text</small></h1>  
<p class="h1">Paragraph that looks like  
heading</p>
```

Navbar

```
<!-- Fixed top navbar with brand as logo image tags -->
<nav class="navbar navbar-default navbar-fixed-top">
  <div class="container-fluid">
    <!-- Brand and toggle get grouped for better mobile display -->
    <div class="navbar-header">
      <button type="button" class="navbar-toggle collapsed" data-toggle="collapse"
data-target="#bs-example-navbar-collapse-1" aria-expanded="false">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#"></a>
    </div>
    <!-- Collect the nav links, forms, and other content for toggling -->
    <div class="collapse navbar-collapse" id="bs-example-navbar-collapse-1">
      <ul class="nav navbar-nav">
        <li class="active"><a href="#">Link <span class="sr-only">(current)</span></a></li>
        <li><a href="#">Link</a></li>
        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button"
aria-haspopup="true" aria-expanded="false">Dropdown <span class="caret"></span></a>
          <ul class="dropdown-menu">
            <li><a href="#">Action</a></li>
            <li role="separator" class="divider"></li>
            <li><a href="#">Separated link</a></li>
          </ul>
        </li>
      </ul>
    </div><!-- /.navbar-collapse -->
  </div><!-- /.container-fluid -->
</nav>
```

Bootstrap 3

Forms

```
<form>
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail1"
placeholder="Email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword1"
placeholder="Password">
  </div>
  <div class="form-group">
    <label for="exampleInputFile">File input</label>
    <input type="file" id="exampleInputFile">
    <p class="help-block">Example block-level help text here.</p>
  </div>
  <div class="checkbox">
    <label>
      <input type="checkbox"> Check me out
    </label>
  </div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```

Buttons

.btn Needs to be added to all buttons because it adds padding and margin

.btn-default The default button style

.btn-primary The button that has the primary action in a group

.btn-success Could be used on the last submit button in a form

.btn-info Informational button

.btn-link Removes background color and add text color

.btn-(lg,sm, xs) Large button, smaller than default button, even smaller

.btn-block Button that spans full width of parent

Example

```
<a class="btn btn-default" href="#" role="button">Link</a>
```

Carousel

```
<div id="carousel-example-generic" class="carousel slide" data-ride="carousel">
  <!-- Indicators -->
  <ol class="carousel-indicators">
    <li data-target="#carousel-example-generic" data-slide-to="0" class="active"></li>
    <li data-target="#carousel-example-generic" data-slide-to="1"></li>
  </ol>
  <!-- Wrapper for slides -->
  <div class="carousel-inner" role="listbox">
    <div class="item active">
      
      <div class="carousel-caption">
        ...
      </div>
    </div>
    <div class="item">
      
      <div class="carousel-caption">
        ...
      </div>
    </div>
    ...
  </div>
  <!-- Controls -->
  <a class="left carousel-control" href="#carousel-example-generic" role="button" data-
slide="prev">
    <span class="glyphicon glyphicon-chevron-left" aria-hidden="true"></span>
    <span class="sr-only">Previous</span>
  </a>
  <a class="right carousel-control" href="#carousel-example-generic" role="button"
data-slide="next">
    <span class="glyphicon glyphicon-chevron-right" aria-hidden="true"></span>
    <span class="sr-only">Next</span>
  </a>
</div>
```

Bootstrap 3

Jumbotron

```
<div class="jumbotron">
  <h1>Hello, world!</h1>
  <p>...</p>
  <p><a class="btn btn-primary btn-lg" href="#" role="button">Learn more</a></p>
</div>
```

To make the jumbotron full width, and without rounded corners, place it outside all .containers and instead add a .container within.

```
<div class="jumbotron">
  <div class="container">
    ...
  </div>
</div>
```

Page header

```
<div class="page-header">
  <h1>Example page header <small>Subtext for header</small></h1>
</div>
```

Breadcrumbs

```
<ol class="breadcrumb">
  <li><a href="#">Home</a></li>
  <li><a href="#">Library</a></li>
  <li class="active">Data</li>
</ol>
```

Responsive embed

```
<!-- 16:9 aspect ratio - change aspect ratio by replacing 16by9 with 4by3 -->
<div class="embed-responsive embed-responsive-16by9">
  <iframe class="embed-responsive-item" src="..."></iframe>
</div>
```

Tables

```
<!-- Responsive table with all of the options applied -->
<div class="table-responsive">
  <table class="table table-condensed table-hover table-bordered table-striped">
    <tr class="active">...</tr>
    <tr>
      <td class="info">...</td>
    </tr>
  </table>
</div>
```

Bootstrap 3

Alphabetical Index of CSS Classes

<code>.active</code>	<code>.caret</code>
<code>.affix</code>	<code>.carousel</code>
<code>.alert</code>	<code>.carousel-caption</code>
<code>.alert-danger</code>	<code>.carousel-control</code>
<code>.alert-dismissable</code>	<code>.carousel-indicators</code>
<code>.alert-info</code>	<code>.carousel-inner</code>
<code>.alert-link</code>	<code>.center-block</code>
<code>.alert-success</code>	<code>.checkbox</code>
<code>.alert-warning</code>	<code>.checkbox-inline</code>
<code>.arrow</code>	<code>.close</code>
<code>.badge</code>	<code>.col-lg-* /*(1-12)*/</code>
<code>.bg-danger</code>	<code>.col-lg-offset-* /*(0-12)*/</code>
<code>.bg-info</code>	<code>.col-lg-pull-* /*(0-12)*/</code>
<code>.bg-primary</code>	<code>.col-lg-push-* /*(0-12)*/</code>
<code>.bg-success</code>	<code>.col-md-* /*(1-12)*/</code>
<code>.bg-warning</code>	<code>.col-md-offset-* /*(0-12)*/</code>
<code>.bottom</code>	<code>.col-md-pull-* /*(0-12)*/</code>
<code>.breadcrumb</code>	<code>.col-md-push-* /*(0-12)*/</code>
<code>.btn</code>	<code>.col-sm-* /*(1-12)*/</code>
<code>.btn-block</code>	<code>.col-sm-offset-* /*(0-12)*/</code>
<code>.btn-danger</code>	<code>.col-sm-pull-* /*(0-12)*/</code>
<code>.btn-default</code>	<code>.col-sm-push-* /*(0-12)*/</code>
<code>.btn-group</code>	<code>.col-xs-* /*(1-12)*/</code>
<code>.btn-group-justified</code>	<code>.col-xs-offset-* /*(0-12)*/</code>
<code>.btn-group-vertical</code>	<code>.col-xs-pull-* /*(0-12)*/</code>
<code>.btn-info</code>	<code>.col-xs-push-* /*(0-12)*/</code>
<code>.btn-link</code>	<code>.collapse</code>
<code>.btn-primary</code>	<code>.collapsing</code>
<code>.btn-sm</code>	<code>.container</code>
<code>.btn-success</code>	<code>.container-fluid</code>
<code>.btn-toolbar</code>	<code>.control-label</code>
<code>.btn-warning</code>	<code>.divider</code>
<code>.btn-xs</code>	<code>.dropdown</code>
<code>.caption</code>	<code>.dropdown-backdrop</code>

<code>.dropdown-header</code>	<code>.img-thumbnail</code>
<code>.dropdown-menu</code>	<code>.in</code>
<code>.dropdown-menu-left</code>	<code>.initialism</code>
<code>.dropdown-menu-right</code>	<code>.input-group</code>
<code>.dropdown-toggle</code>	<code>.input-group-addon</code>
<code>.embed-responsive</code>	<code>.input-group-btn</code>
<code>.embed-responsive-16by9</code>	<code>.input-lg</code>
<code>.embed-responsive-4by3</code>	<code>.input-sm</code>
<code>.fade</code>	<code>.invisible</code>
<code>.form-control</code>	<code>.item</code>
<code>.form-control-feedback</code>	<code>.jumbotron</code>
<code>.form-control-static</code>	<code>.label</code>
<code>.form-group</code>	<code>.label-danger</code>
<code>.glyphicon</code>	<code>.label-default</code>
<code>.glyphicon-chevron-left</code>	<code>.label-info</code>
<code>.glyphicon-chevron-right</code>	<code>.label-primary</code>
<code>.h1</code>	<code>.label-success</code>
<code>.h2</code>	<code>.label-warning</code>
<code>.h3</code>	<code>.lead</code>
<code>.h4</code>	<code>.left</code>
<code>.h5</code>	<code>.list-group</code>
<code>.h6</code>	<code>.list-group-item</code>
<code>.has-feedback</code>	<code>.list-group-item-danger</code>
<code>.help-block</code>	<code>.list-group-item-heading</code>
<code>.hidden</code>	<code>.list-group-item-info</code>
<code>.hidden-lg</code>	<code>.list-group-item-success</code>
<code>.hidden-md</code>	<code>.list-group-item-text</code>
<code>.hidden-print</code>	<code>.list-group-item-warning</code>
<code>.hidden-sm</code>	<code>.list-inline</code>
<code>.hidden-xs</code>	<code>.list-unstyled</code>
<code>.hide</code>	<code>.mark</code>
<code>.icon-bar</code>	<code>.media</code>
<code>.icon-next</code>	<code>.media-body</code>
<code>.icon-prev</code>	<code>.media-heading</code>
<code>.img-circle</code>	<code>.media-list</code>
<code>.img-rounded</code>	<code>.media-object</code>

Bootstrap 3

.modal
.modal-backdrop
.modal-body
.modal-content
.modal-dialog
.modal-footer
.modal-header
.modal-lg
.modal-open
.modal-scrollbar-measure
.modal-sm
.modal-title
.nav
.nav-divider
.nav-justified
.nav-tabs
.nav-tabs-justified
.navbar
.navbar-brand
.navbar-btn
.navbar-collapse
.navbar-default
.navbar-fixed-bottom
.navbar-fixed-top
.navbar-form
.navbar-header
.navbar-inverse
.navbar-left
.navbar-link
.navbar-nav
.navbar-right
.navbar-static-top
.navbar-text
.navbar-toggle
.next
.page-header
.pager
.pagination
.panel
.panel-body
.panel-danger
.panel-default
.panel-footer
.panel-group
.panel-heading
.panel-info
.panel-primary
.panel-success
.panel-title
.panel-warning
.popover
.popover-content
.popover-title
.pre-scrollable
.prev
.progress
.progress-bar
.progress-bar-danger
.progress-bar-info
.progress-bar-striped
.progress-bar-success
.progress-bar-warning
.pull-left
.pull-right
.right
.row
.row-no-gutters
.show
.small
.sr-only
.tab-pane
.table

<code>.table-bordered</code>	<code>.visible-sm-inline</code>
<code>.table-responsive</code>	<code>.visible-sm-inline-block</code>
<code>.text-capitalize</code>	<code>.visible-xs</code>
<code>.text-center</code>	<code>.visible-xs-block</code>
<code>.text-danger</code>	<code>.visible-xs-inline</code>
<code>.text-hide</code>	<code>.visible-xs-inline-block</code>
<code>.text-info</code>	<code>.well</code>
<code>.text-justify</code>	<code>.well-lg</code>
<code>.text-left</code>	<code>.well-sm</code>
<code>.text-lowercase</code>	
<code>.text-muted</code>	
<code>.text-nowrap</code>	
<code>.text-primary</code>	
<code>.text-right</code>	
<code>.text-success</code>	
<code>.text-uppercase</code>	
<code>.text-warning</code>	
<code>.thumbnail</code>	
<code>.tooltip</code>	
<code>.tooltip-arrow</code>	
<code>.tooltip-inner</code>	
<code>.top</code>	
<code>.visible-lg</code>	
<code>.visible-lg-block</code>	
<code>.visible-lg-inline</code>	
<code>.visible-lg-inline-block</code>	
<code>.visible-md</code>	
<code>.visible-md-block</code>	
<code>.visible-md-inline</code>	
<code>.visible-md-inline-block</code>	
<code>.visible-print</code>	
<code>.visible-print-block</code>	
<code>.visible-print-inline</code>	
<code>.visible-print-inline-block</code>	
<code>.visible-sm</code>	
<code>.visible-sm-block</code>	

Resources

Design Inspiration

- **Bootstrap Expo**
<https://expo.getbootstrap.com/>
- **Built With Bootstrap**
<http://builtwithbootstrap.com/>
- **Wrap Bootstrap**
<https://wrapbootstrap.com/>
- **Official Bootstrap Themes**
<https://themes.getbootstrap.com/>
- **AWWWARDS**
<https://www.awwwards.com/websites/responsive-design/>
- **Media Queries**
<https://mediaqueri.es/>
- **Pattern Tap**
<http://zurb.com/patterntap>
- **CodePen Pattern Library**
<http://codepen.io/patterns/>
- **Building Blocks**
<http://foundation.zurb.com/building-blocks/>

HTML Reference

- **Mozilla HTML Reference**
<https://developer.mozilla.org/en-US/docs/Web/HTML>
- **HTMLReference.io**
<https://htmlreference.io/>

CSS Reference

- **Mozilla CSS Reference**
<https://developer.mozilla.org/en-US/docs/Web/CSS/Reference>
- **CSS-Tricks Almanac**
<https://css-tricks.com/almanac/>
- **Can I Use?**
<https://caniuse.com/>
- **CSSreference.io**
<https://cssreference.io/>

JavaScript Reference

- **Mozilla JavaScript Reference**
<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference>
- **jQuery Documentation**
<https://api.jquery.com/>

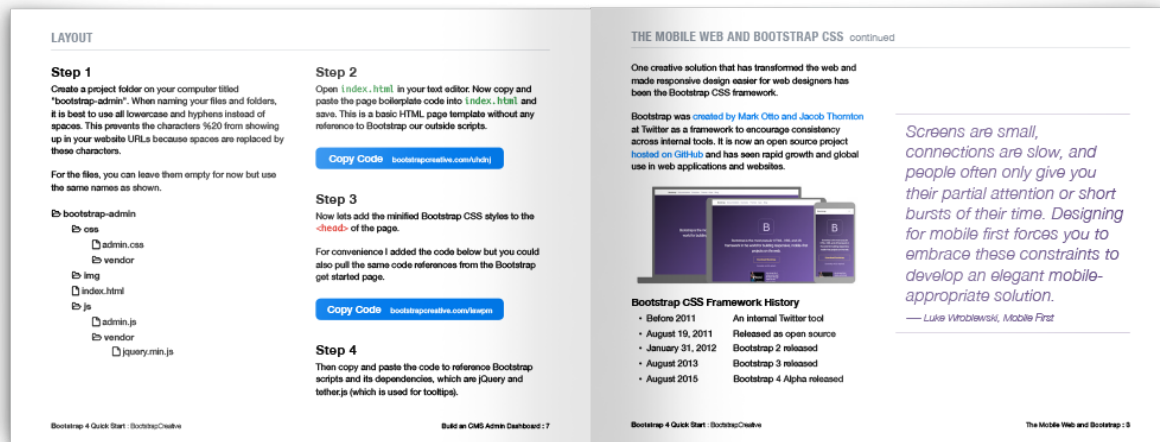
Bootstrap Reference

- **Bootstrap 4 Classes Reference**
<https://bootstrapcreative.com/resources/bootstrap-4-css-classes-index/>
- **Bootstrap 3 Classes Reference**
<https://bootstrapcreative.com/resources/bootstrap-3-css-classes-index/>
- **Official Bootstrap Documentation**
<http://getbootstrap.com/>
- **Bootsnip - Bootstrap Code Snippets**
<https://bootsnip.com/>

Want to improve the design of your website or web application?



Learning HTML and CSS is a lot more challenging than it used to be. Responsive web design adds more layers of complexity to design and develop websites. In this book, you will become familiar with the new cards component, using the new flexbox grid layout, customizing the look and feel, how to follow the mobile-first development workflow, and more!



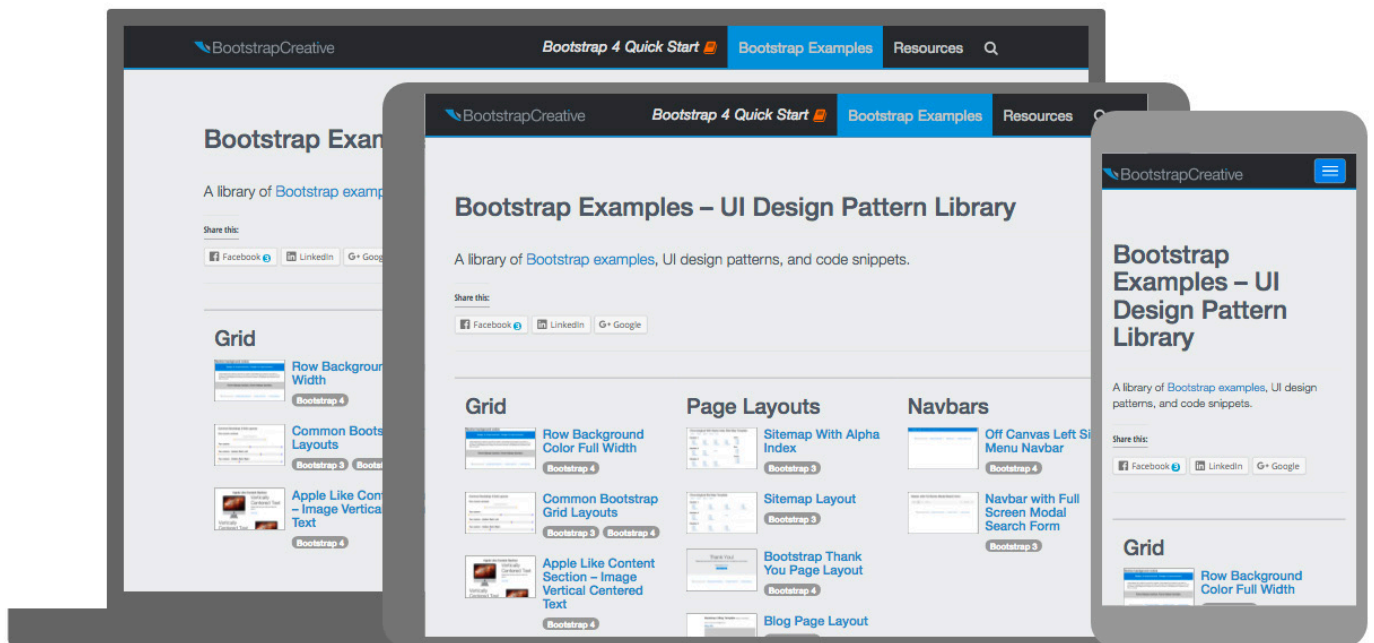
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BootstrapQuickStart.com

Bootstrap Snippets and UI Examples Library

A collection of code snippets to help you quickly customize components. Includes the necessary HTML, CSS, and JS you need to implement in your project.

<https://bootstrapcreative.com/pattern/>



Notes

Notes

Notes

Notes

Notes

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Or have a comment?**

Contact support@bootstrapcreative.com