# Bootstrap 4 Cheat Sheet

## Breakpoints

### Breakpoints

Extra small < 544px

Small ≥ 544px

Medium ≥ 768px

Large ≥ 992px

Extra large ≥ 1200px

## Typography

.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-lowercause Lowercase text

.text-uppercase Uppercase text

.text-capitalize Capitalized text

.lead Good for first paragraph of article

### Blockquote

```
<blockquote class="blockquote">
<p class="m-b-0">Lorem ipsum dolor sit
amet, consectetur adipiscing elit. Integer
posuere erat a ante.</p>
</blockquote>
```

### Headings

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

## Colors

.text-muted            .bg-primary

.text-primary          .bg-success

.text-success          .bg-info

.text-info             .bg-warning

.text-warning          .bg-danger

.text-danger           .bg-inverse

                       .bg-faded

## Lists

.list-unstyled Removes default list margin

.list-inline Makes list items inline

.dl-horizontal Makes list items two columns

## Images

.img-fluid Make an image responsive

.img-rounded Adds rounded corners to image

.img-circle Crops image to be circle

.img-thumbnail Adds rounded corner + border

## Floats

.pull-left Floats item left

.pull-right Floats item right

.center-block Set an elemennt to block with auto left and right margin

.clearfix Clear floats by adding this class to the parent container

**BootstrapCreative**

## Starter Template

```html
<!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://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstrap.min.css">

    <!-- 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-3.1.1.slim.min.js"></script>
    <script src="https://cdnjs.cloudflare.com/ajax/libs/tether/1.4.0/js/tether.min.js"></script>
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/js/bootstrap.min.js"></script>
    <!-- Main JS -->
    <script src="js/main.js"></script>
  </body>
```

## 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>
```

## Navbar

```
<nav class="navbar navbar-toggleable-md bg-faded navbar-inverse 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

```html
<!-- 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>
```

## 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-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 Large buttom

.btn-sm Smaller than default button

.btn-xs Even smaller

.btn-block Button that spans full width of parent

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

<button class="btn btn-primary"
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">
      <img class="d-block img-fluid" src="https://dummyimage.com/900x340/563d7c/
fff&text=+" alt="First slide">
        <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">
      <img class="d-block img-fluid" src="https://dummyimage.com/900x340/563d7c/
fff&text=+" alt="Third slide">
        <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>
```

## 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;">
  <img class="card-img-top w-100" src="https://dummyimage.com/600x400/563d7c/fff"
alt="Card image cap" >
  <div class="card-block">
    <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-default">
    <tr>
      <th>#</th>
      <th>thead-default</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <th scope="row">1</th>
      <td>Nina</td>
    </tr>
  </tbody>
</table>

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

## Component CSS Format and Media Queries

```css
/*
 * 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; }
}
```

## 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<br>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 unites 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 |

# Learn Bootstrap 4 Basics... *Fast*

## Improve your resumé and learn responsive web design fundamentals.

- **Stand out** – Improve your resumé by being proficient in the most popular front-end CSS framework.

- **Be more efficient** – Learn what's new in Bootstrap 4 and how it can help you earn more in less time by boosting your productivity.

- **Stay up to date** – Get updated files when framework minor updates are made to help you stay current.

- **Connect** – Ask questions and get to know other web designers that use Bootstrap.
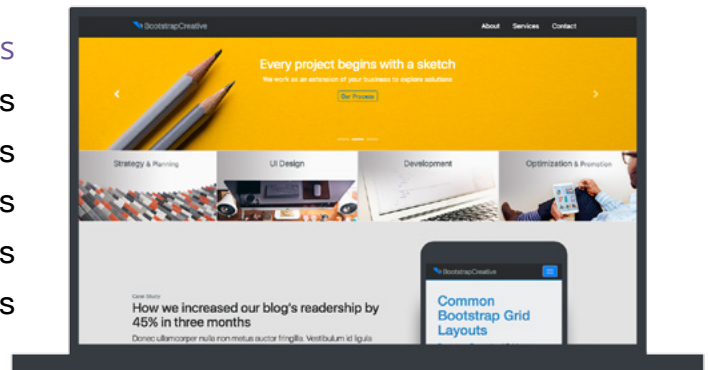
### Homepage features

Responsive images

Image cards

Parallax backgrounds

Nested grids

SVG icons

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bootstrapquickstart.com