1. [**Getting started**](https://getbootstrap.com/docs/4.1/getting-started/introduction/)

**Introduction**

Get started with Bootstrap, the world’s most popular framework for building responsive, mobile-first sites, with BootstrapCDN and a template starter page.

Quick start

Looking to quickly add Bootstrap to your project? Use BootstrapCDN, provided for free by the folks at StackPath. Using a package manager or need to download the source files? [Head to the downloads page.](https://getbootstrap.com/docs/4.1/getting-started/download/)

CSS

Copy-paste the stylesheet <link> into your <head> before all other stylesheets to load our CSS.

Copy

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/css/bootstrap.min.css" integrity="sha384-Smlep5jCw/wG7hdkwQ/Z5nLIefveQRIY9nfy6xoR1uRYBtpZgI6339F5dgvm/e9B" crossorigin="anonymous">

JS

Many of our components require the use of JavaScript to function. Specifically, they require [jQuery](https://jquery.com/), [Popper.js](https://popper.js.org/), and our own JavaScript plugins. Place the following <script>s near the end of your pages, right before the closing </body> tag, to enable them. jQuery must come first, then Popper.js, and then our JavaScript plugins.

We use [jQuery’s slim build](https://blog.jquery.com/2016/06/09/jquery-3-0-final-released/), but the full version is also supported.

Copy

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js" integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js" integrity="sha384-o+RDsa0aLu++PJvFqy8fFScvbHFLtbvScb8AjopnFD+iEQ7wo/CG0xlczd+2O/em" crossorigin="anonymous"></script>

Curious which components explicitly require jQuery, our JS, and Popper.js? Click the show components link below. If you’re at all unsure about the general page structure, keep reading for an example page template.

Our bootstrap.bundle.js and bootstrap.bundle.min.js include [Popper](https://popper.js.org/), but not [jQuery](https://jquery.com/). For more information about what’s included in Bootstrap, please see our [contents](https://getbootstrap.com/docs/4.1/getting-started/contents/#precompiled-bootstrap)section.

Show components requiring JavaScript

Starter template

Be sure to have your pages set up with the latest design and development standards. That means using an HTML5 doctype and including a viewport meta tag for proper responsive behaviors. Put it all together and your pages should look like this:

Copy

<!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/4.1.2/css/bootstrap.min.css" integrity="sha384-Smlep5jCw/wG7hdkwQ/Z5nLIefveQRIY9nfy6xoR1uRYBtpZgI6339F5dgvm/e9B" crossorigin="anonymous">

<title>Hello, world!</title>

</head>

<body>

<h1>Hello, world!</h1>

<!-- Optional JavaScript -->

<!-- jQuery first, then Popper.js, then Bootstrap JS -->

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js" integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49" crossorigin="anonymous"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js" integrity="sha384-o+RDsa0aLu++PJvFqy8fFScvbHFLtbvScb8AjopnFD+iEQ7wo/CG0xlczd+2O/em" crossorigin="anonymous"></script>

</body>

</html>

That’s all you need for overall page requirements. Visit the [Layout docs](https://getbootstrap.com/docs/4.1/layout/overview/) or [our official examples](https://getbootstrap.com/docs/4.1/examples/) to start laying out your site’s content and components.

Important globals

Bootstrap employs a handful of important global styles and settings that you’ll need to be aware of when using it, all of which are almost exclusively geared towards the *normalization* of cross browser styles. Let’s dive in.

HTML5 doctype

Bootstrap requires the use of the HTML5 doctype. Without it, you’ll see some funky incomplete styling, but including it shouldn’t cause any considerable hiccups.

Copy

<!doctype html>

<html lang="en">

...

</html>

Responsive meta tag

Bootstrap is developed *mobile first*, a strategy in which we optimize code for mobile devices first and then scale up components as necessary using CSS media queries. To ensure proper rendering and touch zooming for all devices, **add the responsive viewport meta tag** to your <head>.

Copy

<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

You can see an example of this in action in the [starter template](https://getbootstrap.com/docs/4.1/getting-started/introduction/#starter-template).

Box-sizing

For more straightforward sizing in CSS, we switch the global box-sizing value from content-box to border-box. This ensures padding does not affect the final computed width of an element, but it can cause problems with some third party software like Google Maps and Google Custom Search Engine.

On the rare occasion you need to override it, use something like the following:

Copy

.selector-for-some-widget {

box-sizing: content-box;

}

With the above snippet, nested elements—including generated content via ::beforeand ::after—will all inherit the specified box-sizing for that .selector-for-some-widget.

Learn more about [box model and sizing at CSS Tricks](https://css-tricks.com/box-sizing/).

Reboot

For improved cross-browser rendering, we use [Reboot](https://getbootstrap.com/docs/4.1/content/reboot/) to correct inconsistencies across browsers and devices while providing slightly more opinionated resets to common HTML elements.

Community

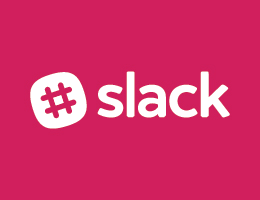
Stay up to date on the development of Bootstrap and reach out to the community with these helpful resources.

* Follow [@getbootstrap on Twitter](https://twitter.com/getbootstrap).
* Read and subscribe to [The Official Bootstrap Blog](https://blog.getbootstrap.com/).
* Join [the official Slack room](https://bootstrap-slack.herokuapp.com/).
* Chat with fellow Bootstrappers in IRC. On the irc.freenode.net server, in the ##bootstrap channel.
* Implementation help may be found at Stack Overflow (tagged [bootstrap-4](https://stackoverflow.com/questions/tagged/bootstrap-4)).
* Developers should use the keyword bootstrap on packages which modify or add to the functionality of Bootstrap when distributing through [npm](https://www.npmjs.com/browse/keyword/bootstrap) or similar delivery mechanisms for maximum discoverability.

You can also follow [@getbootstrap on Twitter](https://twitter.com/getbootstrap) for the latest gossip and awesome music videos.

**Download**

Download Bootstrap to get the compiled CSS and JavaScript, source code, or include it with your favorite package managers like npm, RubyGems, and more.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCT7DLZ3JCW7I62JUCWBDK53KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[It's teamwork, but simpler, more pleasant and more productive.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCT7DLZ3JCW7I62JUCWBDK53KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Compiled CSS and JS

Download ready-to-use compiled code for **Bootstrap v4.1.2** to easily drop into your project, which includes:

* Compiled and minified CSS bundles (see [CSS files comparison](https://getbootstrap.com/docs/4.1/getting-started/contents/#css-files))
* Compiled and minified JavaScript plugins

This doesn’t include documentation, source files, or any optional JavaScript dependencies (jQuery and Popper.js).

[Download](https://github.com/twbs/bootstrap/releases/download/v4.1.2/bootstrap-4.1.2-dist.zip)

Source files

Compile Bootstrap with your own asset pipeline by downloading our source Sass, JavaScript, and documentation files. This option requires some additional tooling:

* Sass compiler (Libsass or Ruby Sass is supported) for compiling your CSS.
* [Autoprefixer](https://github.com/postcss/autoprefixer) for CSS vendor prefixing

Should you require [build tools](https://getbootstrap.com/docs/4.1/getting-started/build-tools/#tooling-setup), they are included for developing Bootstrap and its docs, but they’re likely unsuitable for your own purposes.

[Download source](https://github.com/twbs/bootstrap/archive/v4.1.2.zip)

BootstrapCDN

Skip the download with [BootstrapCDN](https://www.bootstrapcdn.com/) to deliver cached version of Bootstrap’s compiled CSS and JS to your project.

Copy

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/css/bootstrap.min.css" integrity="sha384-Smlep5jCw/wG7hdkwQ/Z5nLIefveQRIY9nfy6xoR1uRYBtpZgI6339F5dgvm/e9B" crossorigin="anonymous">

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.2/js/bootstrap.min.js" integrity="sha384-o+RDsa0aLu++PJvFqy8fFScvbHFLtbvScb8AjopnFD+iEQ7wo/CG0xlczd+2O/em" crossorigin="anonymous"></script>

If you’re using our compiled JavaScript, don’t forget to include CDN versions of jQuery and Popper.js before it.

Copy

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js" integrity="sha384-ZMP7rVo3mIykV+2+9J3UJ46jBk0WLaUAdn689aCwoqbBJiSnjAK/l8WvCWPIPm49" crossorigin="anonymous"></script>

Package managers

Pull in Bootstrap’s **source files** into nearly any project with some of the most popular package managers. No matter the package manager, Bootstrap will **require a Sass compiler and**[**Autoprefixer**](https://github.com/postcss/autoprefixer) for a setup that matches our official compiled versions.

npm

Install Bootstrap in your Node.js powered apps with [the npm package](https://www.npmjs.com/package/bootstrap):

Copy

npm install bootstrap

require('bootstrap') will load all of Bootstrap’s jQuery plugins onto the jQuery object. The bootstrap module itself does not export anything. You can manually load Bootstrap’s jQuery plugins individually by loading the /js/\*.js files under the package’s top-level directory.

Bootstrap’s package.json contains some additional metadata under the following keys:

* sass - path to Bootstrap’s main [Sass](https://sass-lang.com/) source file
* style - path to Bootstrap’s non-minified CSS that’s been precompiled using the default settings (no customization)

RubyGems

Install Bootstrap in your Ruby apps using [Bundler](https://bundler.io/) (**recommended**) and [RubyGems](https://rubygems.org/) by adding the following line to your [Gemfile](https://bundler.io/gemfile.html):

Copy

gem 'bootstrap', '~> 4.1.2'

Alternatively, if you’re not using Bundler, you can install the gem by running this command:

Copy

gem install bootstrap -v 4.1.2

[See the gem’s README](https://github.com/twbs/bootstrap-rubygem/blob/master/README.md) for further details.

Composer

You can also install and manage Bootstrap’s Sass and JavaScript using [Composer](https://getcomposer.org/):

Copy

composer require twbs/bootstrap:4.1.2

NuGet

If you develop in .NET, you can also install and manage Bootstrap’s [CSS](https://www.nuget.org/packages/bootstrap/) or [Sass](https://www.nuget.org/packages/bootstrap.sass/) and JavaScript using [NuGet](https://www.nuget.org/):

Copy

Install-Package bootstrap

Copy

Install-Package bootstrap.sass

**Contents**

Discover what’s included in Bootstrap, including our precompiled and source code flavors. Remember, Bootstrap’s JavaScript plugins require jQuery.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK2QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK2QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Precompiled Bootstrap

Once downloaded, unzip the compressed folder and you’ll see something like this:

Copy

bootstrap/

├── css/

│ ├── bootstrap-grid.css

│ ├── bootstrap-grid.css.map

│ ├── bootstrap-grid.min.css

│ ├── bootstrap-grid.min.css.map

│ ├── bootstrap-reboot.css

│ ├── bootstrap-reboot.css.map

│ ├── bootstrap-reboot.min.css

│ ├── bootstrap-reboot.min.css.map

│ ├── bootstrap.css

│ ├── bootstrap.css.map

│ ├── bootstrap.min.css

│ └── bootstrap.min.css.map

└── js/

├── bootstrap.bundle.js

├── bootstrap.bundle.js.map

├── bootstrap.bundle.min.js

├── bootstrap.bundle.min.js.map

├── bootstrap.js

├── bootstrap.js.map

├── bootstrap.min.js

└── bootstrap.min.js.map

This is the most basic form of Bootstrap: precompiled files for quick drop-in usage in nearly any web project. We provide compiled CSS and JS (bootstrap.\*), as well as compiled and minified CSS and JS (bootstrap.min.\*). [source maps](https://developers.google.com/web/tools/chrome-devtools/javascript/source-maps) (bootstrap.\*.map) are available for use with certain browsers’ developer tools. Bundled JS files (bootstrap.bundle.js and minified bootstrap.bundle.min.js) include [Popper](https://popper.js.org/), but not [jQuery](https://jquery.com/).

CSS files

Bootstrap includes a handful of options for including some or all of our compiled CSS.

| **CSS files** | **Layout** | **Content** | **Components** | **Utilities** |
| --- | --- | --- | --- | --- |
| **bootstrap.css**  **bootstrap.min.css** | Included | Included | Included | Included |
| **bootstrap-grid.css**  **bootstrap-grid.min.css** | [Only grid system](https://getbootstrap.com/docs/4.1/layout/grid/) | Not included | Not included | [Only flex utilities](https://getbootstrap.com/docs/4.1/utilities/flex/) |
| **bootstrap-reboot.css**  **bootstrap-reboot.min.css** | Not included | [Only Reboot](https://getbootstrap.com/docs/4.1/content/reboot/) | Not included | Not included |

JS files

Similarly, we have options for including some or all of our compiled JavaScript.

| **JS files** | **Popper** | **jQuery** |
| --- | --- | --- |
| **bootstrap.bundle.js**  **bootstrap.bundle.min.js** | Included | Not included |
| **bootstrap.js**  **bootstrap.min.js** | Not included | Not included |

Bootstrap source code

The Bootstrap source code download includes the precompiled CSS and JavaScript assets, along with source Sass, JavaScript, and documentation. More specifically, it includes the following and more:

Copy

bootstrap/

├── dist/

│ ├── css/

│ └── js/

├── docs/

│ └── examples/

├── js/

└── scss/

The scss/ and js/ are the source code for our CSS and JavaScript. The dist/ folder includes everything listed in the precompiled download section above. The docs/ folder includes the source code for our documentation, and examples/ of Bootstrap usage. Beyond that, any other included file provides support for packages, license information, and development.

# Browsers and devices

Learn about the browsers and devices, from modern to old, that are supported by Bootstrap, including known quirks and bugs for each.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Supported browsers

Bootstrap supports the **latest, stable releases** of all major browsers and platforms. On Windows, **we support Internet Explorer 10-11 / Microsoft Edge**.

Alternative browsers which use the latest version of WebKit, Blink, or Gecko, whether directly or via the platform’s web view API, are not explicitly supported. However, Bootstrap should (in most cases) display and function correctly in these browsers as well. More specific support information is provided below.

You can find our supported range of browsers and their versions [in our package.json](https://github.com/twbs/bootstrap/blob/v4-dev/package.json):

Copy

"browserslist": [

"last 1 major version",

">= 1%",

"Chrome >= 45",

"Firefox >= 38",

"Edge >= 12",

"Explorer >= 10",

"iOS >= 9",

"Safari >= 9",

"Android >= 4.4",

"Opera >= 30"

]

We use [Autoprefixer](https://github.com/postcss/autoprefixer) to handle intended browser support via CSS prefixes, which uses [Browserslist](https://github.com/browserslist/browserslist) to manage these browser versions. Consult their documentation for how to integrate these tools into your projects.

### Mobile devices

Generally speaking, Bootstrap supports the latest versions of each major platform’s default browsers. Note that proxy browsers (such as Opera Mini, Opera Mobile’s Turbo mode, UC Browser Mini, Amazon Silk) are not supported.

|  | **Chrome** | **Firefox** | **Safari** | **Android Browser & WebView** | **Microsoft Edge** |
| --- | --- | --- | --- | --- | --- |
| **Android** | Supported | Supported | N/A | Android v5.0+ supported | Supported |
| **iOS** | Supported | Supported | Supported | N/A | Supported |
| **Windows 10 Mobile** | N/A | N/A | N/A | N/A | Supported |

### Desktop browsers

Similarly, the latest versions of most desktop browsers are supported.

|  | **Chrome** | **Firefox** | **Internet Explorer** | **Microsoft Edge** | **Opera** | **Safari** |
| --- | --- | --- | --- | --- | --- | --- |
| **Mac** | Supported | Supported | N/A | N/A | Supported | Supported |
| **Windows** | Supported | Supported | Supported, IE10+ | Supported | Supported | Not supported |

For Firefox, in addition to the latest normal stable release, we also support the latest [Extended Support Release (ESR)](https://www.mozilla.org/en-US/firefox/organizations/#faq) version of Firefox.

Unofficially, Bootstrap should look and behave well enough in Chromium and Chrome for Linux, Firefox for Linux, and Internet Explorer 9, though they are not officially supported.

For a list of some of the browser bugs that Bootstrap has to grapple with, see our [Wall of browser bugs](https://getbootstrap.com/docs/4.1/browser-bugs/).

## Internet Explorer

Internet Explorer 10+ is supported; IE9 and down is not. Please be aware that some CSS3 properties and HTML5 elements are not fully supported in IE10, or require prefixed properties for full functionality. Visit [Can I use…](https://caniuse.com/) for details on browser support of CSS3 and HTML5 features.

**If you require IE8-9 support, use Bootstrap 3.** It’s the most stable version of our code and is still supported by our team for critical bugfixes and documentation changes. However, no new features will be added to it.

## Modals and dropdowns on mobile

### Overflow and scrolling

Support for overflow: hidden; on the <body> element is quite limited in iOS and Android. To that end, when you scroll past the top or bottom of a modal in either of those devices’ browsers, the <body> content will begin to scroll. See [Chrome bug #175502](https://bugs.chromium.org/p/chromium/issues/detail?id=175502) (fixed in Chrome v40) and [WebKit bug #153852](https://bugs.webkit.org/show_bug.cgi?id=153852).

### iOS text fields and scrolling

As of iOS 9.2, while a modal is open, if the initial touch of a scroll gesture is within the boundary of a textual <input> or a <textarea>, the <body> content underneath the modal will be scrolled instead of the modal itself. See [WebKit bug #153856](https://bugs.webkit.org/show_bug.cgi?id=153856).

### Navbar Dropdowns

The .dropdown-backdrop element isn’t used on iOS in the nav because of the complexity of z-indexing. Thus, to close dropdowns in navbars, you must directly click the dropdown element (or [any other element which will fire a click event in iOS](https://developer.mozilla.org/en-US/docs/Web/Events/click#Safari_Mobile)).

## Browser zooming

Page zooming inevitably presents rendering artifacts in some components, both in Bootstrap and the rest of the web. Depending on the issue, we may be able to fix it (search first and then open an issue if need be). However, we tend to ignore these as they often have no direct solution other than hacky workarounds.

## Sticky :hover/:focus on iOS

While :hover isn’t possible on most touch devices, iOS emulates this behavior, resulting in “sticky” hover styles that persist after tapping one element. These hover styles are only removed when users tap another element. This behavior is considered largely undesirable and appears to not be an issue on Android or Windows devices.

Throughout our v4 alpha and beta releases, we included incomplete and commented out code for opting into a media query shim that would disable hover styles in touch device browsers that emulate hovering. This work was never fully completed or enabled, but to avoid complete breakage, we’ve opted to deprecate [this shim](https://github.com/twbs/mq4-hover-shim) and keep the mixins as shortcuts for the pseudo-classes.

## Printing

Even in some modern browsers, printing can be quirky.

As of Safari v8.0, use of the fixed-width .container class can cause Safari to use an unusually small font size when printing. See [issue #14868](https://github.com/twbs/bootstrap/issues/14868) and [WebKit bug #138192](https://bugs.webkit.org/show_bug.cgi?id=138192) for more details. One potential workaround is the following CSS:

Copy

@media print {

.container {

width: auto;

}

}

## Android stock browser

Out of the box, Android 4.1 (and even some newer releases apparently) ship with the Browser app as the default web browser of choice (as opposed to Chrome). Unfortunately, the Browser app has lots of bugs and inconsistencies with CSS in general.

#### Select menu

On <select> elements, the Android stock browser will not display the side controls if there is a border-radius and/or border applied. (See [this StackOverflow question](https://stackoverflow.com/questions/14744437/html-select-box-not-showing-drop-down-arrow-on-android-version-4-0-when-set-with) for details.) Use the snippet of code below to remove the offending CSS and render the <select> as an unstyled element on the Android stock browser. The user agent sniffing avoids interference with Chrome, Safari, and Mozilla browsers.

Copy

<script>

$(function () {

var nua = navigator.userAgent

var isAndroid = (nua.indexOf('Mozilla/5.0') > -1 && nua.indexOf('Android ') > -1 && nua.indexOf('AppleWebKit') > -1 && nua.indexOf('Chrome') === -1)

if (isAndroid) {

$('select.form-control').removeClass('form-control').css('width', '100%')

}

})

</script>

Want to see an example? [Check out this JS Bin demo.](http://jsbin.com/OyaqoDO/2)

## Validators

In order to provide the best possible experience to old and buggy browsers, Bootstrap uses [CSS browser hacks](http://browserhacks.com/) in several places to target special CSS to certain browser versions in order to work around bugs in the browsers themselves. These hacks understandably cause CSS validators to complain that they are invalid. In a couple places, we also use bleeding-edge CSS features that aren’t yet fully standardized, but these are used purely for progressive enhancement.

These validation warnings don’t matter in practice since the non-hacky portion of our CSS does fully validate and the hacky portions don’t interfere with the proper functioning of the non-hacky portion, hence why we deliberately ignore these particular warnings.

Our HTML docs likewise have some trivial and inconsequential HTML validation warnings due to our inclusion of a workaround for [a certain Firefox bug](https://bugzilla.mozilla.org/show_bug.cgi?id=654072).

# JavaScript

Bring Bootstrap to life with our optional JavaScript plugins built on jQuery. Learn about each plugin, our data and programmatic API options, and more.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Individual or compiled

Plugins can be included individually (using Bootstrap’s individual \*.js files), or all at once using bootstrap.js or the minified bootstrap.min.js (don’t include both).

## Dependencies

Some plugins and CSS components depend on other plugins. If you include plugins individually, make sure to check for these dependencies in the docs. Also note that **all plugins depend on jQuery** (this means jQuery must be included **before** the plugin files). [Consult our package.json](https://github.com/twbs/bootstrap/blob/v4.1.2/package.json) to see which versions of jQuery are supported.

Our dropdowns, popovers and tooltips also depend on [Popper.js](https://popper.js.org/).

## Data attributes

Nearly all Bootstrap plugins can be enabled and configured through HTML alone with data attributes (our preferred way of using JavaScript functionality). Be sure to **only use one set of data attributes on a single element** (e.g., you cannot trigger a tooltip and modal from the same button.)

However, in some situations it may be desirable to disable this functionality. To disable the data attribute API, unbind all events on the document namespaced with data-apilike so:

Copy

$(document).off('.data-api')

Alternatively, to target a specific plugin, just include the plugin’s name as a namespace along with the data-api namespace like this:

Copy

$(document).off('.alert.data-api')

##### **Escaping selectors**

If you use special selectors, for example: collapse:Example, be sure to escape them, because they’ll be passed through jQuery.

## Events

Bootstrap provides custom events for most plugins’ unique actions. Generally, these come in an infinitive and past participle form - where the infinitive (ex. show) is triggered at the start of an event, and its past participle form (ex. shown) is triggered on the completion of an action.

All infinitive events provide [preventDefault()](https://developer.mozilla.org/en-US/docs/Web/API/Event/preventDefault) functionality. This provides the ability to stop the execution of an action before it starts. Returning false from an event handler will also automatically call preventDefault().

Copy

$('#myModal').on('show.bs.modal', function (e) {

if (!data) return e.preventDefault() // stops modal from being shown

})

## Programmatic API

We also believe you should be able to use all Bootstrap plugins purely through the JavaScript API. All public APIs are single, chainable methods, and return the collection acted upon.

Copy

$('.btn.danger').button('toggle').addClass('fat')

All methods should accept an optional options object, a string which targets a particular method, or nothing (which initiates a plugin with default behavior):

Copy

$('#myModal').modal() // initialized with defaults

$('#myModal').modal({ keyboard: false }) // initialized with no keyboard

$('#myModal').modal('show') // initializes and invokes show immediately

Each plugin also exposes its raw constructor on a Constructor property: $.fn.popover.Constructor. If you’d like to get a particular plugin instance, retrieve it directly from an element: $('[rel="popover"]').data('popover').

### Asynchronous functions and transitions

All programmatic API methods are **asynchronous** and returns to the caller once the transition is started but **before it ends**.

In order to execute an action once the transition is complete, you can listen to the corresponding event.

Copy

$('#myCollapse').on('shown.bs.collapse', function (e) {

// Action to execute once the collapsible area is expanded

})

In addition a method call on a **transitioning component will be ignored**.

Copy

$('#myCarousel').on('slid.bs.carousel', function (e) {

$('#myCarousel').carousel('2') // Will slide to the slide 2 as soon as the transition to slide 1 is finished

})

$('#myCarousel').carousel('1') // Will start sliding to the slide 1 and returns to the caller

$('#myCarousel').carousel('2') // !! Will be ignored, as the transition to the slide 1 is not finished !!

### Default settings

You can change the default settings for a plugin by modifying the plugin’s Constructor.Default object:

Copy

$.fn.modal.Constructor.Default.keyboard = false // changes default for the modal plugin's `keyboard` option to false

## No conflict

Sometimes it is necessary to use Bootstrap plugins with other UI frameworks. In these circumstances, namespace collisions can occasionally occur. If this happens, you may call .noConflict on the plugin you wish to revert the value of.

Copy

var bootstrapButton = $.fn.button.noConflict() // return $.fn.button to previously assigned value

$.fn.bootstrapBtn = bootstrapButton // give $().bootstrapBtn the Bootstrap functionality

## Version numbers

The version of each of Bootstrap’s jQuery plugins can be accessed via the VERSIONproperty of the plugin’s constructor. For example, for the tooltip plugin:

Copy

$.fn.tooltip.Constructor.VERSION // => "4.1.2"

## No special fallbacks when JavaScript is disabled

Bootstrap’s plugins don’t fall back particularly gracefully when JavaScript is disabled. If you care about the user experience in this case, use [<noscript>](https://developer.mozilla.org/en-US/docs/Web/HTML/Element/noscript) to explain the situation (and how to re-enable JavaScript) to your users, and/or add your own custom fallbacks.

##### **Third-party libraries**

**Bootstrap does not officially support third-party JavaScript libraries** like Prototype or jQuery UI. Despite .noConflict and namespaced events, there may be compatibility problems that you need to fix on your own.

## Util

All Bootstrap’s JavaScript files depend on util.js and it has to be included alongside the other JavaScript files. If you’re using the compiled (or minified) bootstrap.js, there is no need to include this—it’s already there.

util.js includes utility functions and a basic helper for transitionEnd events as well as a CSS transition emulator. It’s used by the other plugins to check for CSS transition support and to catch hanging transitions.

# Theming Bootstrap

Customize Bootstrap 4 with our new built-in Sass variables for global style preferences for easy theming and component changes.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Introduction

In Bootstrap 3, theming was largely driven by variable overrides in LESS, custom CSS, and a separate theme stylesheet that we included in our dist files. With some effort, one could completely redesign the look of Bootstrap 3 without touching the core files. Bootstrap 4 provides a familiar, but slightly different approach.

Now, theming is accomplished by Sass variables, Sass maps, and custom CSS. There’s no more dedicated theme stylesheet; instead, you can enable the built-in theme to add gradients, shadows, and more.

## Sass

Utilize our source Sass files to take advantage of variables, maps, mixins, and more.

### File structure

Whenever possible, avoid modifying Bootstrap’s core files. For Sass, that means creating your own stylesheet that imports Bootstrap so you can modify and extend it. Assuming you’re using a package manager like npm, you’ll have a file structure that looks like this:

Copy

your-project/

├── scss

│ └── custom.scss

└── node\_modules/

└── bootstrap

├── js

└── scss

If you’ve downloaded our source files and aren’t using a package manager, you’ll want to manually setup something similar to that structure, keeping Bootstrap’s source files separate from your own.

Copy

your-project/

├── scss

│ └── custom.scss

└── bootstrap/

├── js

└── scss

### Importing

In your custom.scss, you’ll import Bootstrap’s source Sass files. You have two options: include all of Bootstrap, or pick the parts you need. We encourage the latter, though be aware there are some requirements and dependencies across our components. You also will need to include some JavaScript for our plugins.

Copy

// Custom.scss

// Option A: Include all of Bootstrap

@import "../node\_modules/bootstrap/scss/bootstrap";

Copy

// Custom.scss

// Option B: Include parts of Bootstrap

// Required

@import "../node\_modules/bootstrap/scss/functions";

@import "../node\_modules/bootstrap/scss/variables";

@import "../node\_modules/bootstrap/scss/mixins";

// Optional

@import "../node\_modules/bootstrap/scss/reboot";

@import "../node\_modules/bootstrap/scss/type";

@import "../node\_modules/bootstrap/scss/images";

@import "../node\_modules/bootstrap/scss/code";

@import "../node\_modules/bootstrap/scss/grid";

With that setup in place, you can begin to modify any of the Sass variables and maps in your custom.scss. You can also start to add parts of Bootstrap under the // Optionalsection as needed. We suggest using the full import stack from our bootstrap.scss file as your starting point.

### Variable defaults

Every Sass variable in Bootstrap 4 includes the !default flag allowing you to override the variable’s default value in your own Sass without modifying Bootstrap’s source code. Copy and paste variables as needed, modify their values, and remove the !default flag. If a variable has already been assigned, then it won’t be re-assigned by the default values in Bootstrap.

You will find the complete list of Bootstrap’s variables in scss/\_variables.scss.

Variable overrides within the same Sass file can come before or after the default variables. However, when overriding across Sass files, your overrides must come before you import Bootstrap’s Sass files.

Here’s an example that changes the background-color and color for the <body> when importing and compiling Bootstrap via npm:

Copy

// Your variable overrides

$body-bg: #000;

$body-color: #111;

// Bootstrap and its default variables

@import "../node\_modules/bootstrap/scss/bootstrap";

Repeat as necessary for any variable in Bootstrap, including the global options below.

### Maps and loops

Bootstrap 4 includes a handful of Sass maps, key value pairs that make it easier to generate families of related CSS. We use Sass maps for our colors, grid breakpoints, and more. Just like Sass variables, all Sass maps include the !default flag and can be overridden and extended.

Some of our Sass maps are merged into empty ones by default. This is done to allow easy expansion of a given Sass map, but comes at the cost of making removing items from a map slightly more difficult.

#### Modify map

To modify an existing color in our $theme-colors map, add the following to your custom Sass file:

Copy

$theme-colors: (

"primary": #0074d9,

"danger": #ff4136

);

#### Add to map

To add a new color to $theme-colors, add the new key and value:

Copy

$theme-colors: (

"custom-color": #900

);

#### Remove from map

To remove colors from $theme-colors, or any other map, use map-remove. Be aware you must insert it between our requirements and options:

Copy

// Required

@import "../node\_modules/bootstrap/scss/functions";

@import "../node\_modules/bootstrap/scss/variables";

@import "../node\_modules/bootstrap/scss/mixins";

$theme-colors: map-remove($theme-colors, "info", "light", "dark");

// Optional

@import "../node\_modules/bootstrap/scss/root";

@import "../node\_modules/bootstrap/scss/reboot";

@import "../node\_modules/bootstrap/scss/type";

...

#### Required keys

Bootstrap assumes the presence of some specific keys within Sass maps as we used and extend these ourselves. As you customize the included maps, you may encounter errors where a specific Sass map’s key is being used.

For example, we use the primary, success, and danger keys from $theme-colors for links, buttons, and form states. Replacing the values of these keys should present no issues, but removing them may cause Sass compilation issues. In these instances, you’ll need to modify the Sass code that makes use of those values.

### Functions

Bootstrap utilizes several Sass functions, but only a subset are applicable to general theming. We’ve included three functions for getting values from the color maps:

Copy

@function color($key: "blue") {

@return map-get($colors, $key);

}

@function theme-color($key: "primary") {

@return map-get($theme-colors, $key);

}

@function gray($key: "100") {

@return map-get($grays, $key);

}

These allow you to pick one color from a Sass map much like how you’d use a color variable from v3.

Copy

.custom-element {

color: gray("100");

background-color: theme-color("dark");

}

We also have another function for getting a particular level of color from the $theme-colors map. Negative level values will lighten the color, while higher levels will darken.

Copy

@function theme-color-level($color-name: "primary", $level: 0) {

$color: theme-color($color-name);

$color-base: if($level > 0, #000, #fff);

$level: abs($level);

@return mix($color-base, $color, $level \* $theme-color-interval);

}

In practice, you’d call the function and pass in two parameters: the name of the color from $theme-colors (e.g., primary or danger) and a numeric level.

Copy

.custom-element {

color: theme-color-level(primary, -10);

}

Additional functions could be added in the future or your own custom Sass to create level functions for additional Sass maps, or even a generic one if you wanted to be more verbose.

### Color contrast

One additional function we include in Bootstrap is the color contrast function, color-yiq. It utilizes the [YIQ color space](https://en.wikipedia.org/wiki/YIQ) to automatically return a light (#fff) or dark (#111) contrast color based on the specified base color. This function is especially useful for mixins or loops where you’re generating multiple classes.

For example, to generate color swatches from our $theme-colors map:

Copy

@each $color, $value in $theme-colors {

.swatch-#{$color} {

color: color-yiq($value);

}

}

It can also be used for one-off contrast needs:

Copy

.custom-element {

color: color-yiq(#000); // returns `color: #fff`

}

You can also specify a base color with our color map functions:

Copy

.custom-element {

color: color-yiq(theme-color("dark")); // returns `color: #fff`

}

## Sass options

Customize Bootstrap 4 with our built-in custom variables file and easily toggle global CSS preferences with new $enable-\* Sass variables. Override a variable’s value and recompile with npm run test as needed.

You can find and customize these variables for key global options in Bootstrap’s scss/\_variables.scss file.

| **Variable** | **Values** | **Description** |
| --- | --- | --- |
| $spacer | 1rem (default), or any value > 0 | Specifies the default spacer value to programmatically generate our [spacer utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/). |
| $enable-rounded | true (default) or false | Enables predefined border-radius styles on various components. |
| $enable-shadows | true or false(default) | Enables predefined box-shadow styles on various components. |
| $enable-gradients | true or false(default) | Enables predefined gradients via background-imagestyles on various components. |
| $enable-transitions | true (default) or false | Enables predefined transitions on various components. |
| $enable-hover-media-query | true or false(default) | **Deprecated** |
| $enable-grid-classes | true (default) or false | Enables the generation of CSS classes for the grid system (e.g., .container, .row, .col-md-1, etc.). |
| $enable-caret | true (default) or false | Enables pseudo element caret on .dropdown-toggle. |
| $enable-print-styles | true (default) or false | Enables styles for optimizing printing. |

## Color

Many of Bootstrap’s various components and utilities are built through a series of colors defined in a Sass map. This map can be looped over in Sass to quickly generate a series of rulesets.

### All colors

All colors available in Bootstrap 4, are available as Sass variables and a Sass map in scss/\_variables.scss file. This will be expanded upon in subsequent minor releases to add additional shades, much like the [grayscale palette](https://getbootstrap.com/docs/4.1/getting-started/theming/#grays) we already include.

Blue

Indigo

Purple

Pink

Red

Orange

Yellow

Green

Teal

Cyan

Here’s how you can use these in your Sass:

Copy

// With variable

.alpha { color: $purple; }

// From the Sass map with our `color()` function

.beta { color: color("purple"); }

[Color utility classes](https://getbootstrap.com/docs/4.1/utilities/colors/) are also available for setting color and background-color.

In the future, we’ll aim to provide Sass maps and variables for shades of each color as we’ve done with the grayscale colors below.

### Theme colors

We use a subset of all colors to create a smaller color palette for generating color schemes, also available as Sass variables and a Sass map in Bootstraps’s scss/\_variables.scss file.

Primary

Secondary

Success

Danger

Warning

Info

Light

Dark

### Grays

An expansive set of gray variables and a Sass map in scss/\_variables.scss for consistent shades of gray across your project.

100

200

300

400

500

600

700

800

900

Within scss/\_variables.scss, you’ll find Bootstrap’s color variables and Sass map. Here’s an example of the $colors Sass map:

Copy

$colors: (

"blue": $blue,

"indigo": $indigo,

"purple": $purple,

"pink": $pink,

"red": $red,

"orange": $orange,

"yellow": $yellow,

"green": $green,

"teal": $teal,

"cyan": $cyan,

"white": $white,

"gray": $gray-600,

"gray-dark": $gray-800

) !default;

Add, remove, or modify values within the map to update how they’re used in many other components. Unfortunately at this time, not every component utilizes this Sass map. Future updates will strive to improve upon this. Until then, plan on making use of the ${color} variables and this Sass map.

## Components

Many of Bootstrap’s components and utilities are built with @each loops that iterate over a Sass map. This is especially helpful for generating variants of a component by our $theme-colors and creating responsive variants for each breakpoint. As you customize these Sass maps and recompile, you’ll automatically see your changes reflected in these loops.

### Modifiers

Many of Bootstrap’s components are built with a base-modifier class approach. This means the bulk of the styling is contained to a base class (e.g., .btn) while style variations are confined to modifier classes (e.g., .btn-danger). These modifier classes are built from the $theme-colors map to make customizing the number and name of our modifier classes.

Here are two examples of how we loop over the $theme-colors map to generate modifiers to the .alert component and all our .bg-\* background utilities.

Copy

// Generate alert modifier classes

@each $color, $value in $theme-colors {

.alert-#{$color} {

@include alert-variant(theme-color-level($color, -10), theme-color-level($color, -9), theme-color-level($color, 6));

}

}

// Generate `.bg-\*` color utilities

@each $color, $value in $theme-colors {

@include bg-variant('.bg-#{$color}', $value);

}

### Responsive

These Sass loops aren’t limited to color maps, either. You can also generate responsive variations of your components or utilities. Take for example our responsive text alignment utilities where we mix an @each loop for the $grid-breakpoints Sass map with a media query include.

Copy

@each $breakpoint in map-keys($grid-breakpoints) {

@include media-breakpoint-up($breakpoint) {

$infix: breakpoint-infix($breakpoint, $grid-breakpoints);

.text#{$infix}-left { text-align: left !important; }

.text#{$infix}-right { text-align: right !important; }

.text#{$infix}-center { text-align: center !important; }

}

}

Should you need to modify your $grid-breakpoints, your changes will apply to all the loops iterating over that map.

## CSS variables

Bootstrap 4 includes around two dozen [CSS custom properties (variables)](https://developer.mozilla.org/en-US/docs/Web/CSS/Using_CSS_variables) in its compiled CSS. These provide easy access to commonly used values like our theme colors, breakpoints, and primary font stacks when working in your browser’s Inspector, a code sandbox, or general prototyping.

### Available variables

Here are the variables we include (note that the :root is required). They’re located in our \_root.scss file.

Copy

:root {

--blue: #007bff;

--indigo: #6610f2;

--purple: #6f42c1;

--pink: #e83e8c;

--red: #dc3545;

--orange: #fd7e14;

--yellow: #ffc107;

--green: #28a745;

--teal: #20c997;

--cyan: #17a2b8;

--white: #fff;

--gray: #6c757d;

--gray-dark: #343a40;

--primary: #007bff;

--secondary: #6c757d;

--success: #28a745;

--info: #17a2b8;

--warning: #ffc107;

--danger: #dc3545;

--light: #f8f9fa;

--dark: #343a40;

--breakpoint-xs: 0;

--breakpoint-sm: 576px;

--breakpoint-md: 768px;

--breakpoint-lg: 992px;

--breakpoint-xl: 1200px;

--font-family-sans-serif: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, "Helvetica Neue", Arial, sans-serif, "Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol";

--font-family-monospace: SFMono-Regular, Menlo, Monaco, Consolas, "Liberation Mono", "Courier New", monospace;

}

### Examples

CSS variables offer similar flexibility to Sass’s variables, but without the need for compilation before being served to the browser. For example, here we’re resetting our page’s font and link styles with CSS variables.

Copy

body {

font: 1rem/1.5 var(--font-family-sans-serif);

}

a {

color: var(--blue);

}

### Breakpoint variables

While we originally included breakpoints in our CSS variables (e.g., --breakpoint-md), **these are not supported in media queries**, but they can still be used within rulesets in media queries. These breakpoint variables remain in the compiled CSS for backward compatibility given they can be utilized by JavaScript. [Learn more in the spec.](https://www.w3.org/TR/css-variables-1/#using-variables)

Here’s an example of **what’s not supported:**

Copy

@media (min-width: var(--breakpoint-sm)) {

...

}

And here’s an example of **what is supported:**

Copy

@media (min-width: 768px) {

.custom-element {

color: var(--primary);

}

}

**Build tools**

Learn how to use Bootstrap’s included npm scripts to build our documentation, compile source code, run tests, and more.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCTBDCZ3JCW7I62JUCWBIT2JKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[The affordable way to test your email on 70+ clients and devices. Try it free.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCTBDCZ3JCW7I62JUCWBIT2JKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Tooling setup

Bootstrap uses [NPM scripts](https://docs.npmjs.com/misc/scripts) for its build system. Our [package.json](https://github.com/twbs/bootstrap/blob/v4.1.2/package.json) includes convenient methods for working with the framework, including compiling code, running tests, and more.

To use our build system and run our documentation locally, you’ll need a copy of Bootstrap’s source files and Node. Follow these steps and you should be ready to rock:

1. [Download and install Node.js](https://nodejs.org/en/download/), which we use to manage our dependencies.
2. Navigate to the root /bootstrap directory and run npm install to install our local dependencies listed in [package.json](https://github.com/twbs/bootstrap/blob/v4.1.2/package.json).
3. [Install Ruby](https://www.ruby-lang.org/en/documentation/installation/), install [Bundler](https://bundler.io/) with gem install bundler, and finally run bundle install. This will install all Ruby dependencies, such as Jekyll and plugins.
   * **Windows users:** Read [this guide](https://jekyllrb.com/docs/windows/) to get Jekyll up and running without problems.

When completed, you’ll be able to run the various commands provided from the command line.

Using NPM scripts

Our [package.json](https://github.com/twbs/bootstrap/blob/v4.1.2/package.json) includes the following commands and tasks:

| **Task** | **Description** |
| --- | --- |
| npm run dist | npm run dist creates the /dist directory with compiled files. **Uses**[**Sass**](https://sass-lang.com/)**,**[**Autoprefixer**](https://github.com/postcss/autoprefixer)**, and**[**UglifyJS**](https://github.com/mishoo/UglifyJS2)**.** |
| npm test | Same as npm run dist plus it runs tests locally |
| npm run docs | Builds and lints CSS and JavaScript for docs. You can then run the documentation locally via npm run docs-serve. |

Run npm run to see all the npm scripts.

Autoprefixer

Bootstrap uses [Autoprefixer](https://github.com/postcss/autoprefixer) (included in our build process) to automatically add vendor prefixes to some CSS properties at build time. Doing so saves us time and code by allowing us to write key parts of our CSS a single time while eliminating the need for vendor mixins like those found in v3.

We maintain the list of browsers supported through Autoprefixer in a separate file within our GitHub repository. See [/package.json](https://github.com/twbs/bootstrap/blob/v4.1.2/package.json) for details.

Local documentation

Running our documentation locally requires the use of Jekyll, a decently flexible static site generator that provides us: basic includes, Markdown-based files, templates, and more. Here’s how to get it started:

1. Run through the [tooling setup](https://getbootstrap.com/docs/4.1/getting-started/build-tools/#tooling-setup) above to install Jekyll (the site builder) and other Ruby dependencies with bundle install.
2. From the root /bootstrap directory, run npm run docs-serve in the command line.
3. Open http://localhost:9001 in your browser, and voilà.

Learn more about using Jekyll by reading its [documentation](https://jekyllrb.com/docs/home/).

Troubleshooting

Should you encounter problems with installing dependencies, uninstall all previous dependency versions (global and local). Then, rerun npm install.

**Webpack**

Learn how to include Bootstrap in your project using Webpack 3.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK23KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Installing Bootstrap

[Install bootstrap](https://getbootstrap.com/docs/4.1/getting-started/download/#npm) as a Node.js module using npm.

Importing JavaScript

Import [Bootstrap’s JavaScript](https://getbootstrap.com/docs/4.1/getting-started/javascript/) by adding this line to your app’s entry point (usually index.js or app.js):

Copy

import 'bootstrap';

Alternatively, you may **import plugins individually** as needed:

Copy

import 'bootstrap/js/dist/util';

import 'bootstrap/js/dist/dropdown';

...

Bootstrap is dependent on [jQuery](https://jquery.com/) and [Popper](https://popper.js.org/), these are defined as peerDependencies, this means that you will have to make sure to add both of them to your package.jsonusing npm install --save jquery popper.js.

Notice that if you chose to **import plugins individually**, you must also install [exports-loader](https://github.com/webpack-contrib/exports-loader)

Importing Styles

Importing Precompiled Sass

To enjoy the full potential of Bootstrap and customize it to your needs, use the source files as a part of your project’s bundling process.

First, create your own \_custom.scss and use it to override the [built-in custom variables](https://getbootstrap.com/docs/4.1/getting-started/options/). Then, use your main Sass file to import your custom variables, followed by Bootstrap:

Copy

@import "custom";

@import "~bootstrap/scss/bootstrap";

For Bootstrap to compile, make sure you install and use the required loaders: [sass-loader](https://github.com/webpack-contrib/sass-loader), [postcss-loader](https://github.com/postcss/postcss-loader) with [Autoprefixer](https://github.com/postcss/autoprefixer#webpack). With minimal setup, your webpack config should include this rule or similar:

Copy

...

{

test: /\.(scss)$/,

use: [{

loader: 'style-loader', // inject CSS to page

}, {

loader: 'css-loader', // translates CSS into CommonJS modules

}, {

loader: 'postcss-loader', // Run post css actions

options: {

plugins: function () { // post css plugins, can be exported to postcss.config.js

return [

require('precss'),

require('autoprefixer')

];

}

}

}, {

loader: 'sass-loader' // compiles Sass to CSS

}]

},

...

Importing Compiled CSS

Alternatively, you may use Bootstrap’s ready-to-use CSS by simply adding this line to your project’s entry point:

Copy

import 'bootstrap/dist/css/bootstrap.min.css';

In this case you may use your existing rule for css without any special modifications to webpack config, except you don’t need sass-loader just [style-loader](https://github.com/webpack-contrib/style-loader) and [css-loader](https://github.com/webpack-contrib/css-loader).

Copy

...

module: {

rules: [

{

test: /\.css$/,

use: ['style-loader', 'css-loader']

}

]

}

...

**Accessibility**

A brief overview of Bootstrap’s features and limitations for the creation of accessible content.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK2QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP2J7C6SITZ3JCW7I62JUCEYDK2QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Bootstrap provides an easy-to-use framework of ready-made styles, layout tools, and interactive components, allowing developers to create websites and applications that are visually appealing, functionally rich, and accessible out of the box.

Overview and Limitations

The overall accessibility of any project built with Bootstrap depends in large part on the author’s markup, additional styling, and scripting they’ve included. However, provided that these have been implemented correctly, it should be perfectly possible to create websites and applications with Bootstrap that fulfill [WCAG 2.0](https://www.w3.org/TR/WCAG20/) (A/AA/AAA), [Section 508](https://www.section508.gov/)and similar accessibility standards and requirements.

Structural markup

Bootstrap’s styling and layout can be applied to a wide range of markup structures. This documentation aims to provide developers with best practice examples to demonstrate the use of Bootstrap itself and illustrate appropriate semantic markup, including ways in which potential accessibility concerns can be addressed.

Interactive components

Bootstrap’s interactive components—such as modal dialogs, dropdown menus and custom tooltips—are designed to work for touch, mouse and keyboard users. Through the use of relevant [WAI-ARIA](https://www.w3.org/WAI/intro/aria) roles and attributes, these components should also be understandable and operable using assistive technologies (such as screen readers).

Because Bootstrap’s components are purposely designed to be fairly generic, authors may need to include further ARIA roles and attributes, as well as JavaScript behavior, to more accurately convey the precise nature and functionality of their component. This is usually noted in the documentation.

Color contrast

Most colors that currently make up Bootstrap’s default palette—used throughout the framework for things such as button variations, alert variations, form validation indicators—lead to *insufficient* color contrast (below the recommended [WCAG 2.0 color contrast ratio of 4.5:1](https://www.w3.org/TR/UNDERSTANDING-WCAG20/visual-audio-contrast-contrast.html)) when used against a light background. Authors will need to manually modify/extend these default colors to ensure adequate color contrast ratios.

Visually hidden content

Content which should be visually hidden, but remain accessible to assistive technologies such as screen readers, can be styled using the .sr-only class. This can be useful in situations where additional visual information or cues (such as meaning denoted through the use of color) need to also be conveyed to non-visual users.

Copy

<p class="text-danger">

<span class="sr-only">Danger: </span>

This action is not reversible

</p>

For visually hidden interactive controls, such as traditional “skip” links, .sr-only can be combined with the .sr-only-focusable class. This will ensure that the control becomes visible once focused (for sighted keyboard users).

Copy

<a class="sr-only sr-only-focusable" href="#content">Skip to main content</a>

Reduced motion

Bootstrap includes support for the [prefers-reduced-motion media feature](https://drafts.csswg.org/mediaqueries-5/#prefers-reduced-motion). In browsers/environments that allow the user to specify their preference for reduced motion, most CSS transition effects in Bootstrap (for instance, when a modal dialog is opened or closed) will be disabled. Currently, support is limited to Safari on macOS and iOS.

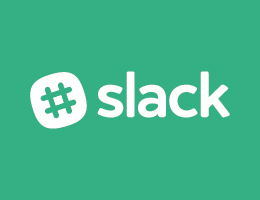
Additional resources

* [Web Content Accessibility Guidelines (WCAG) 2.0](https://www.w3.org/TR/WCAG20/)
* [The A11Y Project](https://a11yproject.com/)
* [MDN accessibility documentation](https://developer.mozilla.org/en-US/docs/Web/Accessibility)
* [Tenon.io Accessibility Checker](https://tenon.io/)
* [Colour Contrast Analyser (CCA)](https://developer.paciellogroup.com/resources/contrastanalyser/)
* [“HTML Codesniffer” bookmarklet for identifying accessibility issues](https://github.com/squizlabs/HTML_CodeSniffer)

1. **Layout**

**Overview**

Components and options for laying out your Bootstrap project, including wrapping containers, a powerful grid system, a flexible media object, and responsive utility classes.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCT7DLZ3JCW7I62JUCWBDK5QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)

[All the tools your team needs in one place. Slack: Where work happens.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCT7DLZ3JCW7I62JUCWBDK5QKC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Containers

Containers are the most basic layout element in Bootstrap and are **required when using our default grid system**. Choose from a responsive, fixed-width container (meaning its max-width changes at each breakpoint) or fluid-width (meaning it’s 100%wide all the time).

While containers *can* be nested, most layouts do not require a nested container.

Copy

<div class="container">

<!-- Content here -->

</div>

Use .container-fluid for a full width container, spanning the entire width of the viewport.

Copy

<div class="container-fluid">

...

</div>

Responsive breakpoints

Since Bootstrap is developed to be mobile first, we use a handful of [media queries](https://developer.mozilla.org/en-US/docs/Web/CSS/Media_Queries/Using_media_queries) to create sensible breakpoints for our layouts and interfaces. These breakpoints are mostly based on minimum viewport widths and allow us to scale up elements as the viewport changes.

Bootstrap primarily uses the following media query ranges—or breakpoints—in our source Sass files for our layout, grid system, and components.

Copy

// Extra small devices (portrait phones, less than 576px)

// No media query for `xs` since this is the default in Bootstrap

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

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

// Medium devices (tablets, 768px and up)

@media (min-width: 768px) { ... }

// Large devices (desktops, 992px and up)

@media (min-width: 992px) { ... }

// Extra large devices (large desktops, 1200px and up)

@media (min-width: 1200px) { ... }

Since we write our source CSS in Sass, all our media queries are available via Sass mixins:

Copy

// No media query necessary for xs breakpoint as it's effectively `@media (min-width: 0) { ... }`

@include media-breakpoint-up(sm) { ... }

@include media-breakpoint-up(md) { ... }

@include media-breakpoint-up(lg) { ... }

@include media-breakpoint-up(xl) { ... }

// Example: Hide starting at `min-width: 0`, and then show at the `sm` breakpoint

.custom-class {

display: none;

}

@include media-breakpoint-up(sm) {

.custom-class {

display: block;

}

}

We occasionally use media queries that go in the other direction (the given screen size *or smaller*):

Copy

// Extra small devices (portrait phones, less than 576px)

@media (max-width: 575.98px) { ... }

// Small devices (landscape phones, less than 768px)

@media (max-width: 767.98px) { ... }

// Medium devices (tablets, less than 992px)

@media (max-width: 991.98px) { ... }

// Large devices (desktops, less than 1200px)

@media (max-width: 1199.98px) { ... }

// Extra large devices (large desktops)

// No media query since the extra-large breakpoint has no upper bound on its width

Note that since browsers do not currently support [range context queries](https://www.w3.org/TR/mediaqueries-4/#range-context), we work around the limitations of [min- and max- prefixes](https://www.w3.org/TR/mediaqueries-4/#mq-min-max) and viewports with fractional widths (which can occur under certain conditions on high-dpi devices, for instance) by using values with higher precision for these comparisons.

Once again, these media queries are also available via Sass mixins:

Copy

@include media-breakpoint-down(xs) { ... }

@include media-breakpoint-down(sm) { ... }

@include media-breakpoint-down(md) { ... }

@include media-breakpoint-down(lg) { ... }

// No media query necessary for xl breakpoint as it has no upper bound on its width

// Example: Style from medium breakpoint and down

@include media-breakpoint-down(md) {

.custom-class {

display: block;

}

}

There are also media queries and mixins for targeting a single segment of screen sizes using the minimum and maximum breakpoint widths.

Copy

// Extra small devices (portrait phones, less than 576px)

@media (max-width: 575.98px) { ... }

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

@media (min-width: 576px) and (max-width: 767.98px) { ... }

// Medium devices (tablets, 768px and up)

@media (min-width: 768px) and (max-width: 991.98px) { ... }

// Large devices (desktops, 992px and up)

@media (min-width: 992px) and (max-width: 1199.98px) { ... }

// Extra large devices (large desktops, 1200px and up)

@media (min-width: 1200px) { ... }

These media queries are also available via Sass mixins:

Copy

@include media-breakpoint-only(xs) { ... }

@include media-breakpoint-only(sm) { ... }

@include media-breakpoint-only(md) { ... }

@include media-breakpoint-only(lg) { ... }

@include media-breakpoint-only(xl) { ... }

Similarly, media queries may span multiple breakpoint widths:

Copy

// Example

// Apply styles starting from medium devices and up to extra large devices

@media (min-width: 768px) and (max-width: 1199.98px) { ... }

The Sass mixin for targeting the same screen size range would be:

Copy

@include media-breakpoint-between(md, xl) { ... }

Z-index

Several Bootstrap components utilize z-index, the CSS property that helps control layout by providing a third axis to arrange content. We utilize a default z-index scale in Bootstrap that’s been designed to properly layer navigation, tooltips and popovers, modals, and more.

These higher values start at an arbitrary number, high and specific enough to ideally avoid conflicts. We need a standard set of these across our layered components—tooltips, popovers, navbars, dropdowns, modals—so we can be reasonably consistent in the behaviors. There’s no reason we couldn’t have used 100+ or 500+.

We don’t encourage customization of these individual values; should you change one, you likely need to change them all.

Copy

$zindex-dropdown: 1000 !default;

$zindex-sticky: 1020 !default;

$zindex-fixed: 1030 !default;

$zindex-modal-backdrop: 1040 !default;

$zindex-modal: 1050 !default;

$zindex-popover: 1060 !default;

$zindex-tooltip: 1070 !default;

To handle overlapping borders within components (e.g., buttons and inputs in input groups), we use low single digit z-index values of 1, 2, and 3 for default, hover, and active states. On hover/focus/active, we bring a particular element to the forefront with a higher z-index value to show their border over the sibling elements.

**Grid system**

Use our powerful mobile-first flexbox grid to build layouts of all shapes and sizes thanks to a twelve column system, five default responsive tiers, Sass variables and mixins, and dozens of predefined classes.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCE7DCZ3JCW7I62JUCESICK7KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Bug tracking so simple, it's like sticky notes for your website. Try free today.](https://srv.carbonads.net/ads/click/x/GTND42QICVBITKQWCES4YKQMCK7DP53LCE7DCZ3JCW7I62JUCESICK7KC6BICKJMCVYDTK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

How it works

Bootstrap’s grid system uses a series of containers, rows, and columns to layout and align content. It’s built with [flexbox](https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Flexible_Box_Layout/Basic_Concepts_of_Flexbox) and is fully responsive. Below is an example and an in-depth look at how the grid comes together.

**New to or unfamiliar with flexbox?** [Read this CSS Tricks flexbox guide](https://css-tricks.com/snippets/css/a-guide-to-flexbox/#flexbox-background) for background, terminology, guidelines, and code snippets.

One of three columns

One of three columns

One of three columns

Copy

<div class="container">

<div class="row">

<div class="col-sm">

One of three columns

</div>

<div class="col-sm">

One of three columns

</div>

<div class="col-sm">

One of three columns

</div>

</div>

</div>

The above example creates three equal-width columns on small, medium, large, and extra large devices using our predefined grid classes. Those columns are centered in the page with the parent .container.

Breaking it down, here’s how it works:

* Containers provide a means to center and horizontally pad your site’s contents. Use .container for a responsive pixel width or .container-fluid for width: 100%across all viewport and device sizes.
* Rows are wrappers for columns. Each column has horizontal padding (called a gutter) for controlling the space between them. This padding is then counteracted on the rows with negative margins. This way, all the content in your columns is visually aligned down the left side.
* In a grid layout, content must be placed within columns and only columns may be immediate children of rows.
* Thanks to flexbox, grid columns without a specified width will automatically layout as equal width columns. For example, four instances of .col-sm will each automatically be 25% wide from the small breakpoint and up. See the [auto-layout columns](https://getbootstrap.com/docs/4.1/layout/grid/#auto-layout-columns) section for more examples.
* Column classes indicate the number of columns you’d like to use out of the possible 12 per row. So, if you want three equal-width columns across, you can use .col-4.
* Column widths are set in percentages, so they’re always fluid and sized relative to their parent element.
* Columns have horizontal padding to create the gutters between individual columns, however, you can remove the margin from rows and padding from columns with .no-gutters on the .row.
* To make the grid responsive, there are five grid breakpoints, one for each [responsive breakpoint](https://getbootstrap.com/docs/4.1/layout/overview/#responsive-breakpoints): all breakpoints (extra small), small, medium, large, and extra large.
* Grid breakpoints are based on minimum width media queries, meaning **they apply to that one breakpoint and all those above it** (e.g., .col-sm-4 applies to small, medium, large, and extra large devices, but not the first xs breakpoint).
* You can use predefined grid classes (like .col-4) or [Sass mixins](https://getbootstrap.com/docs/4.1/layout/grid/#sass-mixins) for more semantic markup.

Be aware of the limitations and [bugs around flexbox](https://github.com/philipwalton/flexbugs), like the [inability to use some HTML elements as flex containers](https://github.com/philipwalton/flexbugs#flexbug-9).

Grid options

While Bootstrap uses ems or rems for defining most sizes, pxs are used for grid breakpoints and container widths. This is because the viewport width is in pixels and does not change with the [font size](https://drafts.csswg.org/mediaqueries-3/#units).

See how aspects of the Bootstrap grid system work across multiple devices with a handy table.

|  | **Extra small** <576px | **Small** ≥576px | **Medium** ≥768px | **Large** ≥992px | **Extra large** ≥1200px |
| --- | --- | --- | --- | --- | --- |
| **Max container width** | None (auto) | 540px | 720px | 960px | 1140px |
| **Class prefix** | .col- | .col-sm- | .col-md- | .col-lg- | .col-xl- |
| **# of columns** | 12 | | | | |
| **Gutter width** | 30px (15px on each side of a column) | | | | |
| **Nestable** | Yes | | | | |
| **Column ordering** | Yes | | | | |

Auto-layout columns

Utilize breakpoint-specific column classes for easy column sizing without an explicit numbered class like .col-sm-6.

Equal-width

For example, here are two grid layouts that apply to every device and viewport, from xsto xl. Add any number of unit-less classes for each breakpoint you need and every column will be the same width.

1 of 2

2 of 2

1 of 3

2 of 3

3 of 3

Copy

<div class="container">

<div class="row">

<div class="col">

1 of 2

</div>

<div class="col">

2 of 2

</div>

</div>

<div class="row">

<div class="col">

1 of 3

</div>

<div class="col">

2 of 3

</div>

<div class="col">

3 of 3

</div>

</div>

</div>

Equal-width columns can be broken into multiple lines, but there was a [Safari flexbox bug](https://github.com/philipwalton/flexbugs#flexbug-11) that prevented this from working without an explicit flex-basis or border. There are workarounds for older browser versions, but they shouldn’t be necessary if you’re up-to-date.

Column

Column

Column

Column

Copy

<div class="container">

<div class="row">

<div class="col">Column</div>

<div class="col">Column</div>

<div class="w-100"></div>

<div class="col">Column</div>

<div class="col">Column</div>

</div>

</div>

Setting one column width

Auto-layout for flexbox grid columns also means you can set the width of one column and have the sibling columns automatically resize around it. You may use predefined grid classes (as shown below), grid mixins, or inline widths. Note that the other columns will resize no matter the width of the center column.

1 of 3

2 of 3 (wider)

3 of 3

1 of 3

2 of 3 (wider)

3 of 3

Copy

<div class="container">

<div class="row">

<div class="col">

1 of 3

</div>

<div class="col-6">

2 of 3 (wider)

</div>

<div class="col">

3 of 3

</div>

</div>

<div class="row">

<div class="col">

1 of 3

</div>

<div class="col-5">

2 of 3 (wider)

</div>

<div class="col">

3 of 3

</div>

</div>

</div>

Variable width content

Use col-{breakpoint}-auto classes to size columns based on the natural width of their content.

1 of 3

Variable width content

3 of 3

1 of 3

Variable width content

3 of 3

Copy

<div class="container">

<div class="row justify-content-md-center">

<div class="col col-lg-2">

1 of 3

</div>

<div class="col-md-auto">

Variable width content

</div>

<div class="col col-lg-2">

3 of 3

</div>

</div>

<div class="row">

<div class="col">

1 of 3

</div>

<div class="col-md-auto">

Variable width content

</div>

<div class="col col-lg-2">

3 of 3

</div>

</div>

</div>

Equal-width multi-row

Create equal-width columns that span multiple rows by inserting a .w-100 where you want the columns to break to a new line. Make the breaks responsive by mixing the .w-100 with some [responsive display utilities](https://getbootstrap.com/docs/4.1/utilities/display/).

col

col

col

col

Copy

<div class="row">

<div class="col">col</div>

<div class="col">col</div>

<div class="w-100"></div>

<div class="col">col</div>

<div class="col">col</div>

</div>

Responsive classes

Bootstrap’s grid includes five tiers of predefined classes for building complex responsive layouts. Customize the size of your columns on extra small, small, medium, large, or extra large devices however you see fit.

All breakpoints

For grids that are the same from the smallest of devices to the largest, use the .col and .col-\* classes. Specify a numbered class when you need a particularly sized column; otherwise, feel free to stick to .col.

col

col

col

col

col-8

col-4

Copy

<div class="row">

<div class="col">col</div>

<div class="col">col</div>

<div class="col">col</div>

<div class="col">col</div>

</div>

<div class="row">

<div class="col-8">col-8</div>

<div class="col-4">col-4</div>

</div>

Stacked to horizontal

Using a single set of .col-sm-\* classes, you can create a basic grid system that starts out stacked and becomes horizontal at the small breakpoint (sm).

col-sm-8

col-sm-4

col-sm

col-sm

col-sm

Copy

<div class="row">

<div class="col-sm-8">col-sm-8</div>

<div class="col-sm-4">col-sm-4</div>

</div>

<div class="row">

<div class="col-sm">col-sm</div>

<div class="col-sm">col-sm</div>

<div class="col-sm">col-sm</div>

</div>

Mix and match

Don’t want your columns to simply stack in some grid tiers? Use a combination of different classes for each tier as needed. See the example below for a better idea of how it all works.

.col-12 .col-md-8

.col-6 .col-md-4

.col-6 .col-md-4

.col-6 .col-md-4

.col-6 .col-md-4

.col-6

.col-6

Copy

<!-- Stack the columns on mobile by making one full-width and the other half-width -->

<div class="row">

<div class="col-12 col-md-8">.col-12 .col-md-8</div>

<div class="col-6 col-md-4">.col-6 .col-md-4</div>

</div>

<!-- Columns start at 50% wide on mobile and bump up to 33.3% wide on desktop -->

<div class="row">

<div class="col-6 col-md-4">.col-6 .col-md-4</div>

<div class="col-6 col-md-4">.col-6 .col-md-4</div>

<div class="col-6 col-md-4">.col-6 .col-md-4</div>

</div>

<!-- Columns are always 50% wide, on mobile and desktop -->

<div class="row">

<div class="col-6">.col-6</div>

<div class="col-6">.col-6</div>

</div>

Alignment

Use flexbox alignment utilities to vertically and horizontally align columns.

Vertical alignment

One of three columns

One of three columns

One of three columns

One of three columns

One of three columns

One of three columns

One of three columns

One of three columns

One of three columns

Copy

<div class="container">

<div class="row align-items-start">

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

</div>

<div class="row align-items-center">

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

</div>

<div class="row align-items-end">

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

<div class="col">

One of three columns

</div>

</div>

</div>

One of three columns

One of three columns

One of three columns

Copy

<div class="container">

<div class="row">

<div class="col align-self-start">

One of three columns

</div>

<div class="col align-self-center">

One of three columns

</div>

<div class="col align-self-end">

One of three columns

</div>

</div>

</div>

Horizontal alignment

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

One of two columns

Copy

<div class="container">

<div class="row justify-content-start">

<div class="col-4">

One of two columns

</div>

<div class="col-4">

One of two columns

</div>

</div>

<div class="row justify-content-center">

<div class="col-4">

One of two columns

</div>

<div class="col-4">

One of two columns

</div>

</div>

<div class="row justify-content-end">

<div class="col-4">

One of two columns

</div>

<div class="col-4">

One of two columns

</div>

</div>

<div class="row justify-content-around">

<div class="col-4">

One of two columns

</div>

<div class="col-4">

One of two columns

</div>

</div>

<div class="row justify-content-between">

<div class="col-4">

One of two columns

</div>

<div class="col-4">

One of two columns

</div>

</div>

</div>

No gutters

The gutters between columns in our predefined grid classes can be removed with .no-gutters. This removes the negative margins from .row and the horizontal padding from all immediate children columns.

Here’s the source code for creating these styles. Note that column overrides are scoped to only the first children columns and are targeted via [attribute selector](https://developer.mozilla.org/en-US/docs/Web/CSS/Attribute_selectors). While this generates a more specific selector, column padding can still be further customized with [spacing utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/).

**Need an edge-to-edge design?** Drop the parent .container or .container-fluid.

Copy

.no-gutters {

margin-right: 0;

margin-left: 0;

> .col,

> [class\*="col-"] {

padding-right: 0;

padding-left: 0;

}

}

In practice, here’s how it looks. Note you can continue to use this with all other predefined grid classes (including column widths, responsive tiers, reorders, and more).

.col-12 .col-sm-6 .col-md-8

.col-6 .col-md-4

Copy

<div class="row no-gutters">

<div class="col-12 col-sm-6 col-md-8">.col-12 .col-sm-6 .col-md-8</div>

<div class="col-6 col-md-4">.col-6 .col-md-4</div>

</div>

Column wrapping

If more than 12 columns are placed within a single row, each group of extra columns will, as one unit, wrap onto a new line.

.col-9

.col-4  
Since 9 + 4 = 13 > 12, this 4-column-wide div gets wrapped onto a new line as one contiguous unit.

.col-6  
Subsequent columns continue along the new line.

Copy

<div class="row">

<div class="col-9">.col-9</div>

<div class="col-4">.col-4<br>Since 9 + 4 = 13 &gt; 12, this 4-column-wide div gets wrapped onto a new line as one contiguous unit.</div>

<div class="col-6">.col-6<br>Subsequent columns continue along the new line.</div>

</div>

Column breaks

Breaking columns to a new line in flexbox requires a small hack: add an element with width: 100% wherever you want to wrap your columns to a new line. Normally this is accomplished with multiple .rows, but not every implementation method can account for this.

.col-6 .col-sm-3

.col-6 .col-sm-3

.col-6 .col-sm-3

.col-6 .col-sm-3

Copy

<div class="row">

<div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

<div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

<!-- Force next columns to break to new line -->

<div class="w-100"></div>

<div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

<div class="col-6 col-sm-3">.col-6 .col-sm-3</div>

</div>

You may also apply this break at specific breakpoints with our [responsive display utilities](https://getbootstrap.com/docs/4.1/utilities/display/).

.col-6 .col-sm-4

.col-6 .col-sm-4

.col-6 .col-sm-4

.col-6 .col-sm-4

Copy

<div class="row">

<div class="col-6 col-sm-4">.col-6 .col-sm-4</div>

<div class="col-6 col-sm-4">.col-6 .col-sm-4</div>

<!-- Force next columns to break to new line at md breakpoint and up -->

<div class="w-100 d-none d-md-block"></div>

<div class="col-6 col-sm-4">.col-6 .col-sm-4</div>

<div class="col-6 col-sm-4">.col-6 .col-sm-4</div>

</div>

Reordering

Order classes

Use .order- classes for controlling the **visual order** of your content. These classes are responsive, so you can set the order by breakpoint (e.g., .order-1.order-md-2). Includes support for 1 through 12 across all five grid tiers.

First, but unordered

Second, but last

Third, but first

Copy

<div class="container">

<div class="row">

<div class="col">

First, but unordered

</div>

<div class="col order-12">

Second, but last

</div>

<div class="col order-1">

Third, but first

</div>

</div>

</div>

There are also responsive .order-first and .order-last classes that change the orderof an element by applying order: -1 and order: 13 (order: $columns + 1), respectively. These classes can also be intermixed with the numbered .order-\* classes as needed.

First, but last

Second, but unordered

Third, but first

Copy

<div class="container">

<div class="row">

<div class="col order-last">

First, but last

</div>

<div class="col">

Second, but unordered

</div>

<div class="col order-first">

Third, but first

</div>

</div>

</div>

Offsetting columns

You can offset grid columns in two ways: our responsive .offset- grid classes and our [margin utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/). Grid classes are sized to match columns while margins are more useful for quick layouts where the width of the offset is variable.

Offset classes

Move columns to the right using .offset-md-\* classes. These classes increase the left margin of a column by \* columns. For example, .offset-md-4 moves .col-md-4 over four columns.

.col-md-4

.col-md-4 .offset-md-4

.col-md-3 .offset-md-3

.col-md-3 .offset-md-3

.col-md-6 .offset-md-3

Copy

<div class="row">

<div class="col-md-4">.col-md-4</div>

<div class="col-md-4 offset-md-4">.col-md-4 .offset-md-4</div>

</div>

<div class="row">

<div class="col-md-3 offset-md-3">.col-md-3 .offset-md-3</div>

<div class="col-md-3 offset-md-3">.col-md-3 .offset-md-3</div>

</div>

<div class="row">

<div class="col-md-6 offset-md-3">.col-md-6 .offset-md-3</div>

</div>

In addition to column clearing at responsive breakpoints, you may need to reset offsets. See this in action in [the grid example](https://getbootstrap.com/docs/4.1/examples/grid/).

.col-sm-5 .col-md-6

.col-sm-5 .offset-sm-2 .col-md-6 .offset-md-0

.col-sm-6 .col-md-5 .col-lg-6

.col-sm-6 .col-md-5 .offset-md-2 .col-lg-6 .offset-lg-0

Copy

<div class="row">

<div class="col-sm-5 col-md-6">.col-sm-5 .col-md-6</div>

<div class="col-sm-5 offset-sm-2 col-md-6 offset-md-0">.col-sm-5 .offset-sm-2 .col-md-6 .offset-md-0</div>

</div>

<div class="row">

<div class="col-sm-6 col-md-5 col-lg-6">.col-sm-6 .col-md-5 .col-lg-6</div>

<div class="col-sm-6 col-md-5 offset-md-2 col-lg-6 offset-lg-0">.col-sm-6 .col-md-5 .offset-md-2 .col-lg-6 .offset-lg-0</div>

</div>

Margin utilities

With the move to flexbox in v4, you can use margin utilities like .mr-auto to force sibling columns away from one another.

.col-md-4

.col-md-4 .ml-auto

.col-md-3 .ml-md-auto

.col-md-3 .ml-md-auto

.col-auto .mr-auto

.col-auto

Copy

<div class="row">

<div class="col-md-4">.col-md-4</div>

<div class="col-md-4 ml-auto">.col-md-4 .ml-auto</div>

</div>

<div class="row">

<div class="col-md-3 ml-md-auto">.col-md-3 .ml-md-auto</div>

<div class="col-md-3 ml-md-auto">.col-md-3 .ml-md-auto</div>

</div>

<div class="row">

<div class="col-auto mr-auto">.col-auto .mr-auto</div>

<div class="col-auto">.col-auto</div>

</div>

Nesting

To nest your content with the default grid, add a new .row and set of .col-sm-\* columns within an existing .col-sm-\* column. Nested rows should include a set of columns that add up to 12 or fewer (it is not required that you use all 12 available columns).

Level 1: .col-sm-9

Level 2: .col-8 .col-sm-6

Level 2: .col-4 .col-sm-6

Copy

<div class="row">

<div class="col-sm-9">

Level 1: .col-sm-9

<div class="row">

<div class="col-8 col-sm-6">

Level 2: .col-8 .col-sm-6

</div>

<div class="col-4 col-sm-6">

Level 2: .col-4 .col-sm-6

</div>

</div>

</div>

</div>

Sass mixins

When using Bootstrap’s source Sass files, you have the option of using Sass variables and mixins to create custom, semantic, and responsive page layouts. Our predefined grid classes use these same variables and mixins to provide a whole suite of ready-to-use classes for fast responsive layouts.

Variables

Variables and maps determine the number of columns, the gutter width, and the media query point at which to begin floating columns. We use these to generate the predefined grid classes documented above, as well as for the custom mixins listed below.

Copy

$grid-columns: 12;

$grid-gutter-width: 30px;

$grid-breakpoints: (

// Extra small screen / phone

xs: 0,

// Small screen / phone

sm: 576px,

// Medium screen / tablet

md: 768px,

// Large screen / desktop

lg: 992px,

// Extra large screen / wide desktop

xl: 1200px

);

$container-max-widths: (

sm: 540px,

md: 720px,

lg: 960px,

xl: 1140px

);

Mixins

Mixins are used in conjunction with the grid variables to generate semantic CSS for individual grid columns.

Copy

// Creates a wrapper for a series of columns

@include make-row();

// Make the element grid-ready (applying everything but the width)

@include make-col-ready();

@include make-col($size, $columns: $grid-columns);

// Get fancy by offsetting, or changing the sort order

@include make-col-offset($size, $columns: $grid-columns);

Example usage

You can modify the variables to your own custom values, or just use the mixins with their default values. Here’s an example of using the default settings to create a two-column layout with a gap between.

Copy

.example-container {

width: 800px;

@include make-container();

}

.example-row {

@include make-row();

}

.example-content-main {

@include make-col-ready();

@include media-breakpoint-up(sm) {

@include make-col(6);

}

@include media-breakpoint-up(lg) {

@include make-col(8);

}

}

.example-content-secondary {

@include make-col-ready();

@include media-breakpoint-up(sm) {

@include make-col(6);

}

@include media-breakpoint-up(lg) {

@include make-col(4);

}

}

Main content

Secondary content

Copy

<div class="example-container">

<div class="example-row">

<div class="example-content-main">Main content</div>

<div class="example-content-secondary">Secondary content</div>

</div>

</div>

Customizing the grid

Using our built-in grid Sass variables and maps, it’s possible to completely customize the predefined grid classes. Change the number of tiers, the media query dimensions, and the container widths—then recompile.

Columns and gutters

The number of grid columns can be modified via Sass variables. $grid-columns is used to generate the widths (in percent) of each individual column while $grid-gutter-widthsets the width for the column gutters.

Copy

$grid-columns: 12 !default;

$grid-gutter-width: 30px !default;

Grid tiers

Moving beyond the columns themselves, you may also customize the number of grid tiers. If you wanted just four grid tiers, you’d update the $grid-breakpoints and $container-max-widths to something like this:

Copy

$grid-breakpoints: (

xs: 0,

sm: 480px,

md: 768px,

lg: 1024px

);

$container-max-widths: (

sm: 420px,

md: 720px,

lg: 960px

);

When making any changes to the Sass variables or maps, you’ll need to save your changes and recompile. Doing so will output a brand new set of predefined grid classes for column widths, offsets, and ordering. Responsive visibility utilities will also be updated to use the custom breakpoints. Make sure to set grid values in px (not rem, em, or %).

# Media object

Documentation and examples for Bootstrap’s media object to construct highly repetitive components like blog comments, tweets, and the like.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCYYI4Z3JCW7I62JUFTBI6K3KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[How to do functional programming with JavaScript? Get the cheat sheet.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCYYI4Z3JCW7I62JUFTBI6K3KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Example

The [media object](http://www.stubbornella.org/content/2010/06/25/the-media-object-saves-hundreds-of-lines-of-code/) helps build complex and repetitive components where some media is positioned alongside content that doesn’t wrap around said media. Plus, it does this with only two required classes thanks to flexbox.

Below is an example of a single media object. Only two classes are required—the wrapping .media and the .media-body around your content. Optional padding and margin can be controlled through [spacing utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/).

##### **Media heading**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Copy

<div class="media">

<img class="mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0">Media heading</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

</div>

##### **Flexbug #12: Inline elements aren’t treated as flex items**

Internet Explorer 10-11 do not render inline elements like links or images (or ::before and ::afterpseudo-elements) as flex items. The only workaround is to set a non-inline display value (e.g., block, inline-block, or flex). We suggest using .d-flex, one of our [display utilities](https://getbootstrap.com/docs/4.1/utilities/display/), as an easy fix.

**Source:** [Flexbugs on GitHub](https://github.com/philipwalton/flexbugs#flexbug-12)

## Nesting

Media objects can be infinitely nested, though we suggest you stop at some point. Place nested .media within the .media-body of a parent media object.

##### **Media heading**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

##### **Media heading**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Copy

<div class="media">

<img class="mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0">Media heading</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

<div class="media mt-3">

<a class="pr-3" href="#">

<img src=".../64x64" alt="Generic placeholder image">

</a>

<div class="media-body">

<h5 class="mt-0">Media heading</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

</div>

</div>

</div>

## Alignment

Media in a media object can be aligned with flexbox utilities to the top (default), middle, or end of your .media-body content.

##### **Top-aligned media**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Copy

<div class="media">

<img class="align-self-start mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0">Top-aligned media</h5>

<p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.</p>

<p>Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.</p>

</div>

</div>

##### **Center-aligned media**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Copy

<div class="media">

<img class="align-self-center mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0">Center-aligned media</h5>

<p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.</p>

<p class="mb-0">Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.</p>

</div>

</div>

##### **Bottom-aligned media**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

Copy

<div class="media">

<img class="align-self-end mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0">Bottom-aligned media</h5>

<p>Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.</p>

<p class="mb-0">Donec sed odio dui. Nullam quis risus eget urna mollis ornare vel eu leo. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.</p>

</div>

</div>

## Order

Change the order of content in media objects by modifying the HTML itself, or by adding some custom flexbox CSS to set the order property (to an integer of your choosing).

##### **Media object**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Copy

<div class="media">

<div class="media-body">

<h5 class="mt-0 mb-1">Media object</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

<img class="ml-3" src=".../64x64" alt="Generic placeholder image">

</div>

## Media list

Because the media object has so few structural requirements, you can also use these classes on list HTML elements. On your <ul> or <ol>, add the .list-unstyled to remove any browser default list styles, and then apply .media to your <li>s. As always, use spacing utilities wherever needed to fine tune.

##### **List-based media object**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

##### **List-based media object**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

##### **List-based media object**

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

Copy

<ul class="list-unstyled">

<li class="media">

<img class="mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0 mb-1">List-based media object</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

</li>

<li class="media my-4">

<img class="mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0 mb-1">List-based media object</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

</li>

<li class="media">

<img class="mr-3" src=".../64x64" alt="Generic placeholder image">

<div class="media-body">

<h5 class="mt-0 mb-1">List-based media object</h5>

Cras sit amet nibh libero, in gravida nulla. Nulla vel metus scelerisque ante sollicitudin. Cras purus odio, vestibulum in vulputate at, tempus viverra turpis. Fusce condimentum nunc ac nisi vulputate fringilla. Donec lacinia congue felis in faucibus.

</div>

</li>

</ul>

**Utilities for layout**

For faster mobile-friendly and responsive development, Bootstrap includes dozens of utility classes for showing, hiding, aligning, and spacing content.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCV7IPZ3JCW7I62JUF6SIPK3KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[We've upped our game, thanks to you. Check out our enhancements for developers.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCV7IPZ3JCW7I62JUF6SIPK3KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Changing display

Use our [display utilities](https://getbootstrap.com/docs/4.1/utilities/display/) for responsively toggling common values of the displayproperty. Mix it with our grid system, content, or components to show or hide them across specific viewports.

Flexbox options

Bootstrap 4 is built with flexbox, but not every element’s display has been changed to display: flex as this would add many unnecessary overrides and unexpectedly change key browser behaviors. Most of [our components](https://getbootstrap.com/docs/4.1/components/alerts/) are built with flexbox enabled.

Should you need to add display: flex to an element, do so with .d-flex or one of the responsive variants (e.g., .d-sm-flex). You’ll need this class or display value to allow the use of our extra [flexbox utilities](https://getbootstrap.com/docs/4.1/utilities/flex/) for sizing, alignment, spacing, and more.

Margin and padding

Use the margin and padding [spacing utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/) to control how elements and components are spaced and sized. Bootstrap 4 includes a five-level scale for spacing utilities, based on a 1rem value default $spacer variable. Choose values for all viewports (e.g., .mr-3 for margin-right: 1rem), or pick responsive variants to target specific viewports (e.g., .mr-md-3 for margin-right: 1rem starting at the md breakpoint).

Toggle visibility

When toggling display isn’t needed, you can toggle the visibility of an element with our [visibility utilities](https://getbootstrap.com/docs/4.1/utilities/visibility/). Invisible elements will still affect the layout of the page, but are visually hidden from visitors.

1. **Content**

# Reboot

Reboot, a collection of element-specific CSS changes in a single file, kickstart Bootstrap to provide an elegant, consistent, and simple baseline to build upon.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Approach

Reboot builds upon Normalize, providing many HTML elements with somewhat opinionated styles using only element selectors. Additional styling is done only with classes. For example, we reboot some <table> styles for a simpler baseline and later provide .table, .table-bordered, and more.

Here are our guidelines and reasons for choosing what to override in Reboot:

* Update some browser default values to use rems instead of ems for scalable component spacing.
* Avoid margin-top. Vertical margins can collapse, yielding unexpected results. More importantly though, a single direction of margin is a simpler mental model.
* For easier scaling across device sizes, block elements should use rems for margins.
* Keep declarations of font-related properties to a minimum, using inheritwhenever possible.

## Page defaults

The <html> and <body> elements are updated to provide better page-wide defaults. More specifically:

* The box-sizing is globally set on every element—including \*::before and \*::after, to border-box. This ensures that the declared width of element is never exceeded due to padding or border.
  + No base font-size is declared on the <html>, but 16px is assumed (the browser default). font-size: 1rem is applied on the <body> for easy responsive type-scaling via media queries while respecting user preferences and ensuring a more accessible approach.
* The <body> also sets a global font-family, line-height, and text-align. This is inherited later by some form elements to prevent font inconsistencies.
* For safety, the <body> has a declared background-color, defaulting to #fff.

## Native font stack

The default web fonts (Helvetica Neue, Helvetica, and Arial) have been dropped in Bootstrap 4 and replaced with a “native font stack” for optimum text rendering on every device and OS. Read more about [native font stacks in this Smashing Magazine article](https://www.smashingmagazine.com/2015/11/using-system-ui-fonts-practical-guide/).

Copy

$font-family-sans-serif:

// Safari for OS X and iOS (San Francisco)

-apple-system,

// Chrome < 56 for OS X (San Francisco)

BlinkMacSystemFont,

// Windows

"Segoe UI",

// Android

"Roboto",

// Basic web fallback

"Helvetica Neue", Arial, sans-serif,

// Emoji fonts

"Apple Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol" !default;

This font-family is applied to the <body> and automatically inherited globally throughout Bootstrap. To switch the global font-family, update $font-family-base and recompile Bootstrap.

## Headings and paragraphs

All heading elements—e.g., <h1>—and <p> are reset to have their margin-top removed. Headings have margin-bottom: .5rem added and paragraphs margin-bottom: 1rem for easy spacing.

| **Heading** | **Example** |
| --- | --- |
| <h1></h1> | h1. Bootstrap heading |
| <h2></h2> | h2. Bootstrap heading |
| <h3></h3> | h3. Bootstrap heading |
| <h4></h4> | h4. Bootstrap heading |
| <h5></h5> | h5. Bootstrap heading |
| <h6></h6> | h6. Bootstrap heading |

## Lists

All lists—<ul>, <ol>, and <dl>—have their margin-top removed and a margin-bottom: 1rem. Nested lists have no margin-bottom.

* Lorem ipsum dolor sit amet
* Consectetur adipiscing elit
* Integer molestie lorem at massa
* Facilisis in pretium nisl aliquet
* Nulla volutpat aliquam velit
  + Phasellus iaculis neque
  + Purus sodales ultricies
  + Vestibulum laoreet porttitor sem
  + Ac tristique libero volutpat at
* Faucibus porta lacus fringilla vel
* Aenean sit amet erat nunc
* Eget porttitor lorem

1. Lorem ipsum dolor sit amet
2. Consectetur adipiscing elit
3. Integer molestie lorem at massa
4. Facilisis in pretium nisl aliquet
5. Nulla volutpat aliquam velit
6. Faucibus porta lacus fringilla vel
7. Aenean sit amet erat nunc
8. Eget porttitor lorem

For simpler styling, clear hierarchy, and better spacing, description lists have updated margins. <dd>s reset margin-left to 0 and add margin-bottom: .5rem. <dt>s are **bolded**.

**Description lists**

A description list is perfect for defining terms.

**Euismod**

Vestibulum id ligula porta felis euismod semper eget lacinia odio sem.

Donec id elit non mi porta gravida at eget metus.

**Malesuada porta**

Etiam porta sem malesuada magna mollis euismod.

## Preformatted text

The <pre> element is reset to remove its margin-top and use rem units for its margin-bottom.

.example-element {

margin-bottom: 1rem;

}

## Tables

Tables are slightly adjusted to style <caption>s, collapse borders, and ensure consistent text-align throughout. Additional changes for borders, padding, and more come with [the .table class](https://getbootstrap.com/docs/4.1/content/tables/).

| This is an example table, and this is its caption to describe the contents. | | | |
| --- | --- | --- | --- |
| **Table heading** | **Table heading** | **Table heading** | **Table heading** |
| Table cell | Table cell | Table cell | Table cell |
| Table cell | Table cell | Table cell | Table cell |
| Table cell | Table cell | Table cell | Table cell |

## Forms

Various form elements have been rebooted for simpler base styles. Here are some of the most notable changes:

* <fieldset>s have no borders, padding, or margin so they can be easily used as wrappers for individual inputs or groups of inputs.
* <legend>s, like fieldsets, have also been restyled to be displayed as a heading of sorts.
* <label>s are set to display: inline-block to allow margin to be applied.
* <input>s, <select>s, <textarea>s, and <button>s are mostly addressed by Normalize, but Reboot removes their margin and sets line-height: inherit, too.
* <textarea>s are modified to only be resizable vertically as horizontal resizing often “breaks” page layout.

These changes, and more, are demonstrated below.

Top of Form

Example legend

Example input 

Example select                                                                                                              

 Check this checkbox

 Option one is this and that Option two is something else that's also super long to demonstrate the wrapping of these fancy form controls. Option three is disabled

Example textarea 

Example date

Example time

Example output 100

Button submit 

Button submit 

Bottom of Form

## Misc elements

### Address

The <address> element is updated to reset the browser default font-style from italicto normal. line-height is also now inherited, and margin-bottom: 1rem has been added. <address>s are for presenting contact information for the nearest ancestor (or an entire body of work). Preserve formatting by ending lines with <br>.

**Twitter, Inc.**  
1355 Market St, Suite 900  
San Francisco, CA 94103  
P: (123) 456-7890

**Full Name**  
[first.last@example.com](mailto:)

### Blockquote

The default margin on blockquotes is 1em 40px, so we reset that to 0 0 1rem for something more consistent with other elements.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Someone famous in Source Title

### Inline elements

The <abbr> element receives basic styling to make it stand out amongst paragraph text.

Nulla attr vitae elit libero, a pharetra augue.

### Summary

The default cursor on summary is text, so we reset that to pointer to convey that the element can be interacted with by clicking on it.

Some detailsEven more details

Here are even more details about the details.

## HTML5 [hidden] attribute

HTML5 adds [a new global attribute named [hidden]](https://developer.mozilla.org/en-US/docs/Web/HTML/Global_attributes/hidden), which is styled as display: none by default. Borrowing an idea from [PureCSS](https://purecss.io/), we improve upon this default by making [hidden] { display: none !important; } to help prevent its display from getting accidentally overridden. While [hidden] isn’t natively supported by IE10, the explicit declaration in our CSS gets around that problem.

Copy

<input type="text" hidden>

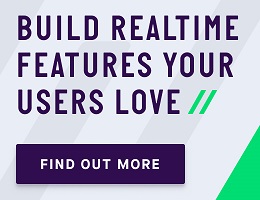
##### **jQuery incompatibility**

[hidden] is not compatible with jQuery’s $(...).hide() and $(...).show() methods. Therefore, we don’t currently especially endorse [hidden] over other techniques for managing the display of elements.

To merely toggle the visibility of an element, meaning its display is not modified and the element can still affect the flow of the document, use [the .invisible class](https://getbootstrap.com/docs/4.1/utilities/visibility/) instead.

**Typography**

Documentation and examples for Bootstrap typography, including global settings, headings, body text, lists, and more.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCEBDTZ3JCW7I62JYCTYI623KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[40+ SDKs. 190+ tutorials. 250,000 developers trust us. Generous free plan.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCEBDTZ3JCW7I62JYCTYI623KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Global settings

Bootstrap sets basic global display, typography, and link styles. When more control is needed, check out the [textual utility classes](https://getbootstrap.com/docs/4.1/utilities/text/).

* Use a [native font stack](https://getbootstrap.com/docs/4.1/content/reboot/#native-font-stack) that selects the best font-family for each OS and device.
* For a more inclusive and accessible type scale, we assume the browser default root font-size (typically 16px) so visitors can customize their browser defaults as needed.
* Use the $font-family-base, $font-size-base, and $line-height-base attributes as our typographic base applied to the <body>.
* Set the global link color via $link-color and apply link underlines only on :hover.
* Use $body-bg to set a background-color on the <body> (#fff by default).

These styles can be found within \_reboot.scss, and the global variables are defined in \_variables.scss. Make sure to set $font-size-base in rem.

Headings

All HTML headings, <h1> through <h6>, are available.

| **Heading** | **Example** |
| --- | --- |
| <h1></h1> | h1. Bootstrap heading |
| <h2></h2> | h2. Bootstrap heading |
| <h3></h3> | h3. Bootstrap heading |
| <h4></h4> | h4. Bootstrap heading |
| <h5></h5> | h5. Bootstrap heading |
| <h6></h6> | h6. Bootstrap heading |

Copy

<h1>h1. Bootstrap heading</h1>

<h2>h2. Bootstrap heading</h2>

<h3>h3. Bootstrap heading</h3>

<h4>h4. Bootstrap heading</h4>

<h5>h5. Bootstrap heading</h5>

<h6>h6. Bootstrap heading</h6>

.h1 through .h6 classes are also available, for when you want to match the font styling of a heading but cannot use the associated HTML element.

h1. Bootstrap heading

h2. Bootstrap heading

h3. Bootstrap heading

h4. Bootstrap heading

h5. Bootstrap heading

h6. Bootstrap heading

Copy

<p class="h1">h1. Bootstrap heading</p>

<p class="h2">h2. Bootstrap heading</p>

<p class="h3">h3. Bootstrap heading</p>

<p class="h4">h4. Bootstrap heading</p>

<p class="h5">h5. Bootstrap heading</p>

<p class="h6">h6. Bootstrap heading</p>

Customizing headings

Use the included utility classes to recreate the small secondary heading text from Bootstrap 3.

Fancy display heading With faded secondary text

Copy

<h3>

Fancy display heading

<small class="text-muted">With faded secondary text</small>

</h3>

Display headings

Traditional heading elements are designed to work best in the meat of your page content. When you need a heading to stand out, consider using a **display heading**—a larger, slightly more opinionated heading style.

|  |
| --- |
| Display 1 |
| Display 2 |
| Display 3 |
| Display 4 |

Copy

<h1 class="display-1">Display 1</h1>

<h1 class="display-2">Display 2</h1>

<h1 class="display-3">Display 3</h1>

<h1 class="display-4">Display 4</h1>

Lead

Make a paragraph stand out by adding .lead.

Vivamus sagittis lacus vel augue laoreet rutrum faucibus dolor auctor. Duis mollis, est non commodo luctus.

Copy

<p class="lead">

Vivamus sagittis lacus vel augue laoreet rutrum faucibus dolor auctor. Duis mollis, est non commodo luctus.

</p>

Inline text elements

Styling for common inline HTML5 elements.

You can use the mark tag to highlight text.

This line of text is meant to be treated as deleted text.

~~This line of text is meant to be treated as no longer accurate.~~

This line of text is meant to be treated as an addition to the document.

This line of text will render as underlined

This line of text is meant to be treated as fine print.

**This line rendered as bold text.**

*This line rendered as italicized text.*

Copy

<p>You can use the mark tag to <mark>highlight</mark> text.</p>

<p><del>This line of text is meant to be treated as deleted text.</del></p>

<p><s>This line of text is meant to be treated as no longer accurate.</s></p>

<p><ins>This line of text is meant to be treated as an addition to the document.</ins></p>

<p><u>This line of text will render as underlined</u></p>

<p><small>This line of text is meant to be treated as fine print.</small></p>

<p><strong>This line rendered as bold text.</strong></p>

<p><em>This line rendered as italicized text.</em></p>

.mark and .small classes are also available to apply the same styles as <mark> and <small> while avoiding any unwanted semantic implications that the tags would bring.

While not shown above, feel free to use <b> and <i> in HTML5. <b> is meant to highlight words or phrases without conveying additional importance while <i> is mostly for voice, technical terms, etc.

Text utilities

Change text alignment, transform, style, weight, and color with our [text utilities](https://getbootstrap.com/docs/4.1/utilities/text/) and [color utilities](https://getbootstrap.com/docs/4.1/utilities/colors/).

Abbreviations

Stylized implementation of HTML’s <abbr> element for abbreviations and acronyms to show the expanded version on hover. Abbreviations have a default underline and gain a help cursor to provide additional context on hover and to users of assistive technologies.

Add .initialism to an abbreviation for a slightly smaller font-size.

attr

HTML

Copy

<p><abbr title="attribute">attr</abbr></p>

<p><abbr title="HyperText Markup Language" class="initialism">HTML</abbr></p>

Blockquotes

For quoting blocks of content from another source within your document. Wrap <blockquote class="blockquote"> around any HTML as the quote.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Copy

<blockquote class="blockquote">

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

</blockquote>

Naming a source

Add a <footer class="blockquote-footer"> for identifying the source. Wrap the name of the source work in <cite>.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Someone famous in *Source Title*

Copy

<blockquote class="blockquote">

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

<footer class="blockquote-footer">Someone famous in <cite title="Source Title">Source Title</cite></footer>

</blockquote>

Alignment

Use text utilities as needed to change the alignment of your blockquote.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Someone famous in *Source Title*

Copy

<blockquote class="blockquote text-center">

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

<footer class="blockquote-footer">Someone famous in <cite title="Source Title">Source Title</cite></footer>

</blockquote>

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Someone famous in *Source Title*

Copy

<blockquote class="blockquote text-right">

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

<footer class="blockquote-footer">Someone famous in <cite title="Source Title">Source Title</cite></footer>

</blockquote>

Lists

Unstyled

Remove the default list-style and left margin on list items (immediate children only). **This only applies to immediate children list items**, meaning you will need to add the class for any nested lists as well.

* Lorem ipsum dolor sit amet
* Consectetur adipiscing elit
* Integer molestie lorem at massa
* Facilisis in pretium nisl aliquet
* Nulla volutpat aliquam velit
  + Phasellus iaculis neque
  + Purus sodales ultricies
  + Vestibulum laoreet porttitor sem
  + Ac tristique libero volutpat at
* Faucibus porta lacus fringilla vel
* Aenean sit amet erat nunc
* Eget porttitor lorem

Copy

<ul class="list-unstyled">

<li>Lorem ipsum dolor sit amet</li>

<li>Consectetur adipiscing elit</li>

<li>Integer molestie lorem at massa</li>

<li>Facilisis in pretium nisl aliquet</li>

<li>Nulla volutpat aliquam velit

<ul>

<li>Phasellus iaculis neque</li>

<li>Purus sodales ultricies</li>

<li>Vestibulum laoreet porttitor sem</li>

<li>Ac tristique libero volutpat at</li>

</ul>

</li>

<li>Faucibus porta lacus fringilla vel</li>

<li>Aenean sit amet erat nunc</li>

<li>Eget porttitor lorem</li>

</ul>

Inline

Remove a list’s bullets and apply some light margin with a combination of two classes, .list-inline and .list-inline-item.

* Lorem ipsum

* Phasellus iaculis

* Nulla volutpat

Copy

<ul class="list-inline">

<li class="list-inline-item">Lorem ipsum</li>

<li class="list-inline-item">Phasellus iaculis</li>

<li class="list-inline-item">Nulla volutpat</li>

</ul>

Description list alignment

Align terms and descriptions horizontally by using our grid system’s predefined classes (or semantic mixins). For longer terms, you can optionally add a .text-truncate class to truncate the text with an ellipsis.

**Description lists**

A description list is perfect for defining terms.

**Euismod**

Vestibulum id ligula porta felis euismod semper eget lacinia odio sem nec elit.

Donec id elit non mi porta gravida at eget metus.

**Malesuada porta**

Etiam porta sem malesuada magna mollis euismod.

**Truncated term is truncated**

Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

**Nesting**

**Nested definition list**

Aenean posuere, tortor sed cursus feugiat, nunc augue blandit nunc.

Copy

<dl class="row">

<dt class="col-sm-3">Description lists</dt>

<dd class="col-sm-9">A description list is perfect for defining terms.</dd>

<dt class="col-sm-3">Euismod</dt>

<dd class="col-sm-9">

<p>Vestibulum id ligula porta felis euismod semper eget lacinia odio sem nec elit.</p>

<p>Donec id elit non mi porta gravida at eget metus.</p>

</dd>

<dt class="col-sm-3">Malesuada porta</dt>

<dd class="col-sm-9">Etiam porta sem malesuada magna mollis euismod.</dd>

<dt class="col-sm-3 text-truncate">Truncated term is truncated</dt>

<dd class="col-sm-9">Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.</dd>

<dt class="col-sm-3">Nesting</dt>

<dd class="col-sm-9">

<dl class="row">

<dt class="col-sm-4">Nested definition list</dt>

<dd class="col-sm-8">Aenean posuere, tortor sed cursus feugiat, nunc augue blandit nunc.</dd>

</dl>

</dd>

</dl>

Responsive typography

*Responsive typography* refers to scaling text and components by simply adjusting the root element’s font-size within a series of media queries. Bootstrap doesn’t do this for you, but it’s fairly easy to add if you need it.

Here’s an example of it in practice. Choose whatever font-sizes and media queries you wish.

Copy

html {

font-size: 1rem;

}

@include media-breakpoint-up(sm) {

html {

font-size: 1.2rem;

}

}

@include media-breakpoint-up(md) {

html {

font-size: 1.4rem;

}

}

@include media-breakpoint-up(lg) {

html {

font-size: 1.6rem;

}

}

**Code**

Documentation and examples for displaying inline and multiline blocks of code with Bootstrap.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Inline code

Wrap inline snippets of code with <code>. Be sure to escape HTML angle brackets.

For example, <section> should be wrapped as inline.

Copy

For example, <code>&lt;section&gt;</code> should be wrapped as inline.

Code blocks

Use <pre>s for multiple lines of code. Once again, be sure to escape any angle brackets in the code for proper rendering. You may optionally add the .pre-scrollable class, which will set a max-height of 340px and provide a y-axis scrollbar.

<p>Sample text here...</p>

<p>And another line of sample text here...</p>

Copy

<pre><code>&lt;p&gt;Sample text here...&lt;/p&gt;

&lt;p&gt;And another line of sample text here...&lt;/p&gt;

</code></pre>

Variables

For indicating variables use the <var> tag.

*y* = *mx* + *b*

Copy

<var>y</var> = <var>m</var><var>x</var> + <var>b</var>

User input

Use the <kbd> to indicate input that is typically entered via keyboard.

To switch directories, type cd followed by the name of the directory.  
To edit settings, press **ctrl** + **,**

Copy

To switch directories, type <kbd>cd</kbd> followed by the name of the directory.<br>

To edit settings, press <kbd><kbd>ctrl</kbd> + <kbd>,</kbd></kbd>

Sample output

For indicating sample output from a program use the <samp> tag.

This text is meant to be treated as sample output from a computer program.

Copy

<samp>This text is meant to be treated as sample output from a computer program.</samp>

Images

Documentation and examples for opting images into responsive behavior (so they never become larger than their parent elements) and add lightweight styles to them—all via classes.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Responsive images

Images in Bootstrap are made responsive with .img-fluid. max-width: 100%; and height: auto; are applied to the image so that it scales with the parent element.

Copy

<img src="..." class="img-fluid" alt="Responsive image">

SVG images and IE 10

In Internet Explorer 10, SVG images with .img-fluid are disproportionately sized. To fix this, add width: 100% \9; where necessary. This fix improperly sizes other image formats, so Bootstrap doesn’t apply it automatically.

Image thumbnails

In addition to our [border-radius utilities](https://getbootstrap.com/docs/4.1/utilities/borders/), you can use .img-thumbnail to give an image a rounded 1px border appearance.

Copy

<img src="..." alt="..." class="img-thumbnail">

Aligning images

Align images with the [helper float classes](https://getbootstrap.com/docs/4.1/utilities/float) or [text alignment classes](https://getbootstrap.com/docs/4.1/utilities/text/#text-alignment). block-level images can be centered using [the .mx-auto margin utility class](https://getbootstrap.com/docs/4.1/utilities/spacing/#horizontal-centering).

Copy

<img src="..." class="rounded float-left" alt="...">

<img src="..." class="rounded float-right" alt="...">

Copy

<img src="..." class="rounded mx-auto d-block" alt="...">

Copy

<div class="text-center">

<img src="..." class="rounded" alt="...">

</div>

Picture

If you are using the <picture> element to specify multiple <source> elements for a specific <img>, make sure to add the .img-\* classes to the <img> and not to the <picture> tag.

Copy

​<picture>

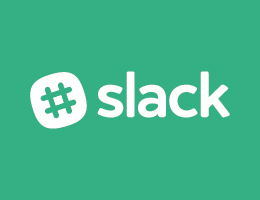
<source srcset="..." type="image/svg+xml">

<img src="..." class="img-fluid img-thumbnail" alt="...">

</picture>

**Tables**

Documentation and examples for opt-in styling of tables (given their prevalent use in JavaScript plugins) with Bootstrap.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCESD4Z3JCW7I62JYCTYDLK7KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[All the tools your team needs in one place. Slack: Where work happens.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCESD4Z3JCW7I62JYCTYDLK7KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Examples

Due to the widespread use of tables across third-party widgets like calendars and date pickers, we’ve designed our tables to be **opt-in**. Just add the base class .table to any <table>, then extend with custom styles or our various included modifier classes.

Using the most basic table markup, here’s how .table-based tables look in Bootstrap. **All table styles are inherited in Bootstrap 4**, meaning any nested tables will be styled in the same manner as the parent.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

You can also invert the colors—with light text on dark backgrounds—with .table-dark.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Table head options

Similar to tables and dark tables, use the modifier classes .thead-light or .thead-darkto make <thead>s appear light or dark gray.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table">

<thead class="thead-dark">

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

<table class="table">

<thead class="thead-light">

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Striped rows

Use .table-striped to add zebra-striping to any table row within the <tbody>.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table table-striped">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table table-striped table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Bordered table

Add .table-bordered for borders on all sides of the table and cells.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-bordered">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-bordered table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Borderless table

Add .table-borderless for a table without borders.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-borderless">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

.table-borderless can also be used on dark tables.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-borderless table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Hoverable rows

Add .table-hover to enable a hover state on table rows within a <tbody>.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-hover">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-hover table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Small table

Add .table-sm to make tables more compact by cutting cell padding in half.

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-sm">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

| **#** | **First** | **Last** | **Handle** |
| --- | --- | --- | --- |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry the Bird | | @twitter |

Copy

<table class="table table-sm table-dark">

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td colspan="2">Larry the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Contextual classes

Use contextual classes to color table rows or individual cells.

| **Class** | **Heading** | **Heading** |
| --- | --- | --- |
| **Active** | Cell | Cell |
| **Default** | Cell | Cell |
| **Primary** | Cell | Cell |
| **Secondary** | Cell | Cell |
| **Success** | Cell | Cell |
| **Danger** | Cell | Cell |
| **Warning** | Cell | Cell |
| **Info** | Cell | Cell |
| **Light** | Cell | Cell |
| **Dark** | Cell | Cell |

Copy

<!-- On rows -->

<tr class="table-active">...</tr>

<tr class="table-primary">...</tr>

<tr class="table-secondary">...</tr>

<tr class="table-success">...</tr>

<tr class="table-danger">...</tr>

<tr class="table-warning">...</tr>

<tr class="table-info">...</tr>

<tr class="table-light">...</tr>

<tr class="table-dark">...</tr>

<!-- On cells (`td` or `th`) -->

<tr>

<td class="table-active">...</td>

<td class="table-primary">...</td>

<td class="table-secondary">...</td>

<td class="table-success">...</td>

<td class="table-danger">...</td>

<td class="table-warning">...</td>

<td class="table-info">...</td>

<td class="table-light">...</td>

<td class="table-dark">...</td>

</tr>

Regular table background variants are not available with the dark table, however, you may use [text or background utilities](https://getbootstrap.com/docs/4.1/utilities/colors/) to achieve similar styles.

| **#** | **Heading** | **Heading** |
| --- | --- | --- |
| **1** | Cell | Cell |
| **2** | Cell | Cell |
| **3** | Cell | Cell |
| **4** | Cell | Cell |
| **5** | Cell | Cell |
| **6** | Cell | Cell |
| **7** | Cell | Cell |
| **8** | Cell | Cell |
| **9** | Cell | Cell |

Copy

<!-- On rows -->

<tr class="bg-primary">...</tr>

<tr class="bg-success">...</tr>

<tr class="bg-warning">...</tr>

<tr class="bg-danger">...</tr>

<tr class="bg-info">...</tr>

<!-- On cells (`td` or `th`) -->

<tr>

<td class="bg-primary">...</td>

<td class="bg-success">...</td>

<td class="bg-warning">...</td>

<td class="bg-danger">...</td>

<td class="bg-info">...</td>

</tr>

Conveying meaning to assistive technologies

Using color to add meaning only provides a visual indication, which will not be conveyed to users of assistive technologies – such as screen readers. Ensure that information denoted by the color is either obvious from the content itself (e.g. the visible text), or is included through alternative means, such as additional text hidden with the .sr-only class.

Create responsive tables by wrapping any .table with .table-responsive{-sm|-md|-lg|-xl}, making the table scroll horizontally at each max-width breakpoint of up to (but not including) 576px, 768px, 992px, and 1120px, respectively.

Note that since browsers do not currently support [range context queries](https://www.w3.org/TR/mediaqueries-4/#range-context), we work around the limitations of [min- and max- prefixes](https://www.w3.org/TR/mediaqueries-4/#mq-min-max) and viewports with fractional widths (which can occur under certain conditions on high-dpi devices, for instance) by using values with higher precision for these comparisons.

Captions

A <caption> functions like a heading for a table. It helps users with screen readers to find a table and understand what it’s about and decide if they want to read it.

| List of users | | | |
| --- | --- | --- | --- |
| **#** | **First** | **Last** | **Handle** |
| **1** | Mark | Otto | @mdo |
| **2** | Jacob | Thornton | @fat |
| **3** | Larry | the Bird | @twitter |

Copy

<table class="table">

<caption>List of users</caption>

<thead>

<tr>

<th scope="col">#</th>

<th scope="col">First</th>

<th scope="col">Last</th>

<th scope="col">Handle</th>

</tr>

</thead>

<tbody>

<tr>

<th scope="row">1</th>

<td>Mark</td>

<td>Otto</td>

<td>@mdo</td>

</tr>

<tr>

<th scope="row">2</th>

<td>Jacob</td>

<td>Thornton</td>

<td>@fat</td>

</tr>

<tr>

<th scope="row">3</th>

<td>Larry</td>

<td>the Bird</td>

<td>@twitter</td>

</tr>

</tbody>

</table>

Responsive tables

Responsive tables allow tables to be scrolled horizontally with ease. Make any table responsive across all viewports by wrapping a .table with .table-responsive. Or, pick a maximum breakpoint with which to have a responsive table up to by using .table-responsive{-sm|-md|-lg|-xl}.

Vertical clipping/truncation

Responsive tables make use of overflow-y: hidden, which clips off any content that goes beyond the bottom or top edges of the table. In particular, this can clip off dropdown menus and other third-party widgets.

Always responsive

Across every breakpoint, use .table-responsive for horizontally scrolling tables.

| **#** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell |
| **2** | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell |
| **3** | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell | Cell |

Copy

<div class="table-responsive">

<table class="table">

...

</table>

</div>

Breakpoint specific

Use .table-responsive{-sm|-md|-lg|-xl} as needed to create responsive tables up to a particular breakpoint. From that breakpoint and up, the table will behave normally and not scroll horizontally.

| **#** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** |
| --- | --- | --- | --- | --- | --- |
| **1** | Cell | Cell | Cell | Cell | Cell |
| **2** | Cell | Cell | Cell | Cell | Cell |
| **3** | Cell | Cell | Cell | Cell | Cell |
| **#** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** |
| **1** | Cell | Cell | Cell | Cell | Cell |
| **2** | Cell | Cell | Cell | Cell | Cell |
| **3** | Cell | Cell | Cell | Cell | Cell |

| **#** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** |
| --- | --- | --- | --- | --- | --- |
| **1** | Cell | Cell | Cell | Cell | Cell |
| **2** | Cell | Cell | Cell | Cell | Cell |
| **3** | Cell | Cell | Cell | Cell | Cell |
| **#** | **Heading** | **Heading** | **Heading** | **Heading** | **Heading** |
| **1** | Cell | Cell | Cell | Cell | Cell |
| **2** | Cell | Cell | Cell | Cell | Cell |
| **3** | Cell | Cell | Cell | Cell | Cell |

Copy

<div class="table-responsive-sm">

<table class="table">

...

</table>

</div>

<div class="table-responsive-md">

<table class="table">

...

</table>

</div>

<div class="table-responsive-lg">

<table class="table">

...

</table>

</div>

<div class="table-responsive-xl">

<table class="table">

...

</table>

</div>

**Figures**

Documentation and examples for displaying related images and text with the figure component in Bootstrap.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Anytime you need to display a piece of content—like an image with an optional caption, consider using a <figure>.

Use the included .figure , .figure-img and .figure-caption classes to provide some baseline styles for the HTML5 <figure> and <figcaption> elements. Images in figures have no explicit size, so be sure to add the .img-fluid class to your <img> to make it responsive.

A caption for the above image.

Copy

<figure class="figure">

<img src=".../400x300" class="figure-img img-fluid rounded" alt="A generic square placeholder image with rounded corners in a figure.">

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

</figure>

Aligning the figure’s caption is easy with our [text utilities](https://getbootstrap.com/docs/4.1/utilities/text/#text-alignment).

A caption for the above image.

Copy

<figure class="figure">

<img src=".../400x300" class="figure-img img-fluid rounded" alt="A generic square placeholder image with rounded corners in a figure.">

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

</figure>

1. **Components**

# Alerts

Provide contextual feedback messages for typical user actions with the handful of available and flexible alert messages.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Examples

Alerts are available for any length of text, as well as an optional dismiss button. For proper styling, use one of the eight **required** contextual classes (e.g., .alert-success). For inline dismissal, use the [alerts jQuery plugin](https://getbootstrap.com/docs/4.1/components/alerts/#dismissing).

A simple primary alert—check it out!

A simple secondary alert—check it out!

A simple success alert—check it out!

A simple danger alert—check it out!

A simple warning alert—check it out!

A simple info alert—check it out!

A simple light alert—check it out!

A simple dark alert—check it out!

Copy

<div class="alert alert-primary" role="alert">

A simple primary alert—check it out!

</div>

<div class="alert alert-secondary" role="alert">

A simple secondary alert—check it out!

</div>

<div class="alert alert-success" role="alert">

A simple success alert—check it out!

</div>

<div class="alert alert-danger" role="alert">

A simple danger alert—check it out!

</div>

<div class="alert alert-warning" role="alert">

A simple warning alert—check it out!

</div>

<div class="alert alert-info" role="alert">

A simple info alert—check it out!

</div>

<div class="alert alert-light" role="alert">

A simple light alert—check it out!

</div>

<div class="alert alert-dark" role="alert">

A simple dark alert—check it out!

</div>

##### **Conveying meaning to assistive technologies**

Using color to add meaning only provides a visual indication, which will not be conveyed to users of assistive technologies – such as screen readers. Ensure that information denoted by the color is either obvious from the content itself (e.g. the visible text), or is included through alternative means, such as additional text hidden with the .sr-only class.

### Link color

Use the .alert-link utility class to quickly provide matching colored links within any alert.

A simple primary alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple secondary alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple success alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple danger alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple warning alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple info alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple light alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

A simple dark alert with [**an example link**](https://getbootstrap.com/docs/4.1/components/alerts/). Give it a click if you like.

Copy

<div class="alert alert-primary" role="alert">

A simple primary alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-secondary" role="alert">

A simple secondary alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-success" role="alert">

A simple success alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-danger" role="alert">

A simple danger alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-warning" role="alert">

A simple warning alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-info" role="alert">

A simple info alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-light" role="alert">

A simple light alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

<div class="alert alert-dark" role="alert">

A simple dark alert with <a href="#" class="alert-link">an example link</a>. Give it a click if you like.

</div>

### Additional content

Alerts can also contain additional HTML elements like headings, paragraphs and dividers.

#### Well done!

Aww yeah, you successfully read this important alert message. This example text is going to run a bit longer so that you can see how spacing within an alert works with this kind of content.

Whenever you need to, be sure to use margin utilities to keep things nice and tidy.

Copy

<div class="alert alert-success" role="alert">

<h4 class="alert-heading">Well done!</h4>

<p>Aww yeah, you successfully read this important alert message. This example text is going to run a bit longer so that you can see how spacing within an alert works with this kind of content.</p>

<hr>

<p class="mb-0">Whenever you need to, be sure to use margin utilities to keep things nice and tidy.</p>

</div>

### Dismissing

Using the alert JavaScript plugin, it’s possible to dismiss any alert inline. Here’s how:

* Be sure you’ve loaded the alert plugin, or the compiled Bootstrap JavaScript.
* If you’re building our JavaScript from source, it [requires util.js](https://getbootstrap.com/docs/4.1/getting-started/javascript/#util). The compiled version includes this.
* Add a dismiss button and the .alert-dismissible class, which adds extra padding to the right of the alert and positions the .close button.
* On the dismiss button, add the data-dismiss="alert" attribute, which triggers the JavaScript functionality. Be sure to use the <button> element with it for proper behavior across all devices.
* To animate alerts when dismissing them, be sure to add the .fade and .showclasses.

You can see this in action with a live demo:

**Holy guacamole!** You should check in on some of those fields below.×

Copy

<div class="alert alert-warning alert-dismissible fade show" role="alert">

<strong>Holy guacamole!</strong> You should check in on some of those fields below.

<button type="button" class="close" data-dismiss="alert" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

</div>

## JavaScript behavior

### Triggers

Enable dismissal of an alert via JavaScript:

Copy

$('.alert').alert()

Or with data attributes on a button **within the alert**, as demonstrated above:

Copy

<button type="button" class="close" data-dismiss="alert" aria-label="Close">

<span aria-hidden="true">&times;</span>

</button>

Note that closing an alert will remove it from the DOM.

### Methods

| **Method** | **Description** |
| --- | --- |
| $().alert() | Makes an alert listen for click events on descendant elements which have the data-dismiss="alert" attribute. (Not necessary when using the data-api’s auto-initialization.) |
| $().alert('close') | Closes an alert by removing it from the DOM. If the .fade and .show classes are present on the element, the alert will fade out before it is removed. |
| $().alert('dispose') | Destroys an element’s alert. |

Copy

$(".alert").alert('close')

### Events

Bootstrap’s alert plugin exposes a few events for hooking into alert functionality.

| **Event** | **Description** |
| --- | --- |
| close.bs.alert | This event fires immediately when the close instance method is called. |
| closed.bs.alert | This event is fired when the alert has been closed (will wait for CSS transitions to complete). |

Copy

$('#myAlert').on('closed.bs.alert', function () {

// do something…

})

# Badges

Documentation and examples for badges, our small count and labeling component.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Example

Badges scale to match the size of the immediate parent element by using relative font sizing and em units.

Example heading **New**

Example heading **New**

Example heading **New**

Example heading **New**

Example heading **New**

Example heading **New**

Copy

<h1>Example heading <span class="badge badge-secondary">New</span></h1>

<h2>Example heading <span class="badge badge-secondary">New</span></h2>

<h3>Example heading <span class="badge badge-secondary">New</span></h3>

<h4>Example heading <span class="badge badge-secondary">New</span></h4>

<h5>Example heading <span class="badge badge-secondary">New</span></h5>

<h6>Example heading <span class="badge badge-secondary">New</span></h6>

Badges can be used as part of links or buttons to provide a counter.

Notifications **4**

Copy

<button type="button" class="btn btn-primary">

Notifications <span class="badge badge-light">4</span>

</button>

Note that depending on how they are used, badges may be confusing for users of screen readers and similar assistive technologies. While the styling of badges provides a visual cue as to their purpose, these users will simply be presented with the content of the badge. Depending on the specific situation, these badges may seem like random additional words or numbers at the end of a sentence, link, or button.

Unless the context is clear (as with the “Notifications” example, where it is understood that the “4” is the number of notifications), consider including additional context with a visually hidden piece of additional text.

Profile **9**unread messages

Copy

<button type="button" class="btn btn-primary">

Profile <span class="badge badge-light">9</span>

<span class="sr-only">unread messages</span>

</button>

## Contextual variations

Add any of the below mentioned modifier classes to change the appearance of a badge.

**Primary** **Secondary** **Success** **Danger** **Warning** **Info** **Light** **Dark**

Copy

<span class="badge badge-primary">Primary</span>

<span class="badge badge-secondary">Secondary</span>

<span class="badge badge-success">Success</span>

<span class="badge badge-danger">Danger</span>

<span class="badge badge-warning">Warning</span>

<span class="badge badge-info">Info</span>

<span class="badge badge-light">Light</span>

<span class="badge badge-dark">Dark</span>

##### **Conveying meaning to assistive technologies**

Using color to add meaning only provides a visual indication, which will not be conveyed to users of assistive technologies – such as screen readers. Ensure that information denoted by the color is either obvious from the content itself (e.g. the visible text), or is included through alternative means, such as additional text hidden with the .sr-only class.

## Pill badges

Use the .badge-pill modifier class to make badges more rounded (with a larger border-radius and additional horizontal padding). Useful if you miss the badges from v3.

**Primary** **Secondary** **Success** **Danger** **Warning** **Info** **Light** **Dark**

Copy

<span class="badge badge-pill badge-primary">Primary</span>

<span class="badge badge-pill badge-secondary">Secondary</span>

<span class="badge badge-pill badge-success">Success</span>

<span class="badge badge-pill badge-danger">Danger</span>

<span class="badge badge-pill badge-warning">Warning</span>

<span class="badge badge-pill badge-info">Info</span>

<span class="badge badge-pill badge-light">Light</span>

<span class="badge badge-pill badge-dark">Dark</span>

## Links

Using the contextual .badge-\* classes on an <a> element quickly provide actionablebadges with hover and focus states.

[**Primary**](https://getbootstrap.com/docs/4.1/components/badge/) [**Secondary**](https://getbootstrap.com/docs/4.1/components/badge/) [**Success**](https://getbootstrap.com/docs/4.1/components/badge/) [**Danger**](https://getbootstrap.com/docs/4.1/components/badge/) [**Warning**](https://getbootstrap.com/docs/4.1/components/badge/) [**Info**](https://getbootstrap.com/docs/4.1/components/badge/) [**Light**](https://getbootstrap.com/docs/4.1/components/badge/) [**Dark**](https://getbootstrap.com/docs/4.1/components/badge/)

Copy

<a href="#" class="badge badge-primary">Primary</a>

<a href="#" class="badge badge-secondary">Secondary</a>

<a href="#" class="badge badge-success">Success</a>

<a href="#" class="badge badge-danger">Danger</a>

<a href="#" class="badge badge-warning">Warning</a>

<a href="#" class="badge badge-info">Info</a>

<a href="#" class="badge badge-light">Light</a>

<a href="#" class="badge badge-dark">Dark</a>

# Breadcrumb

Indicate the current page’s location within a navigational hierarchy that automatically adds separators via CSS.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Try DigitalOcean today and get a free $100 credit.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP27KC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

Example

1. Home
2. [Home](https://getbootstrap.com/docs/4.1/components/breadcrumb/)
3. Library
4. [Home](https://getbootstrap.com/docs/4.1/components/breadcrumb/)
5. [Library](https://getbootstrap.com/docs/4.1/components/breadcrumb/)
6. Data

Copy

<nav aria-label="breadcrumb">

<ol class="breadcrumb">

<li class="breadcrumb-item active" aria-current="page">Home</li>

</ol>

</nav>

<nav aria-label="breadcrumb">

<ol class="breadcrumb">

<li class="breadcrumb-item"><a href="#">Home</a></li>

<li class="breadcrumb-item active" aria-current="page">Library</li>

</ol>

</nav>

<nav aria-label="breadcrumb">

<ol class="breadcrumb">

<li class="breadcrumb-item"><a href="#">Home</a></li>

<li class="breadcrumb-item"><a href="#">Library</a></li>

<li class="breadcrumb-item active" aria-current="page">Data</li>

</ol>

</nav>

Changing the separator

Separators are automatically added in CSS through [::before](https://developer.mozilla.org/en-US/docs/Web/CSS/::before) and [content](https://developer.mozilla.org/en-US/docs/Web/CSS/content). They can be changed by changing $breadcrumb-divider. The [quote](https://sass-lang.com/documentation/Sass/Script/Functions.html#quote-instance_method) function is needed to generate the quotes around a string, so if you want > as seperator, you can use this:

Copy

$breadcrumb-divider: quote(">");

It’s also possible to use a **base64 embedded SVG icon**:

Copy

$breadcrumb-divider: url(data:image/svg+xml;base64,PHN2ZyB4bWxucz0iaHR0cDovL3d3dy53My5vcmcvMjAwMC9zdmciIHdpZHRoPSI4IiBoZWlnaHQ9IjgiPjxwYXRoIGQ9Ik0yLjUgMEwxIDEuNSAzLjUgNCAxIDYuNSAyLjUgOGw0LTQtNC00eiIgZmlsbD0iY3VycmVudENvbG9yIi8+PC9zdmc+);

The separator can be removed by setting $breadcrumb-divider to none:

Copy

$breadcrumb-divider: none;

Accessibility

Since breadcrumbs provide a navigation, it’s a good idea to add a meaningful label such as aria-label="breadcrumb" to describe the type of navigation provided in the <nav>element, as well as applying an aria-current="page" to the last item of the set to indicate that it represents the current page.

For more information, see the [WAI-ARIA Authoring Practices for the breadcrumb pattern](https://www.w3.org/TR/wai-aria-practices/#breadcrumb).

# Buttons

Use Bootstrap’s custom button styles for actions in forms, dialogs, and more with support for multiple sizes, states, and more.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Examples

Bootstrap includes several predefined button styles, each serving its own semantic purpose, with a few extras thrown in for more control.

Primary Secondary Success Danger Warning Info Light Dark Link

Copy

<button type="button" class="btn btn-primary">Primary</button>

<button type="button" class="btn btn-secondary">Secondary</button>

<button type="button" class="btn btn-success">Success</button>

<button type="button" class="btn btn-danger">Danger</button>

<button type="button" class="btn btn-warning">Warning</button>

<button type="button" class="btn btn-info">Info</button>

<button type="button" class="btn btn-light">Light</button>

<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>

##### **Conveying meaning to assistive technologies**

Using color to add meaning only provides a visual indication, which will not be conveyed to users of assistive technologies – such as screen readers. Ensure that information denoted by the color is either obvious from the content itself (e.g. the visible text), or is included through alternative means, such as additional text hidden with the .sr-only class.

## Button tags

The .btn classes are designed to be used with the <button> element. However, you can also use these classes on <a> or <input> elements (though some browsers may apply a slightly different rendering).

When using button classes on <a> elements that are used to trigger in-page functionality (like collapsing content), rather than linking to new pages or sections within the current page, these links should be given a role="button" to appropriately convey their purpose to assistive technologies such as screen readers.

[Link](https://getbootstrap.com/docs/4.1/components/buttons/) Button   

Copy

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

<button class="btn btn-primary" type="submit">Button</button>

<input class="btn btn-primary" type="button" value="Input">

<input class="btn btn-primary" type="submit" value="Submit">

<input class="btn btn-primary" type="reset" value="Reset">

## Outline buttons

In need of a button, but not the hefty background colors they bring? Replace the default modifier classes with the .btn-outline-\* ones to remove all background images and colors on any button.

Primary Secondary Success Danger Warning Info Light Dark

Copy

<button type="button" class="btn btn-outline-primary">Primary</button>

<button type="button" class="btn btn-outline-secondary">Secondary</button>

<button type="button" class="btn btn-outline-success">Success</button>

<button type="button" class="btn btn-outline-danger">Danger</button>

<button type="button" class="btn btn-outline-warning">Warning</button>

<button type="button" class="btn btn-outline-info">Info</button>

<button type="button" class="btn btn-outline-light">Light</button>

<button type="button" class="btn btn-outline-dark">Dark</button>

## Sizes

Fancy larger or smaller buttons? Add .btn-lg or .btn-sm for additional sizes.

Large button Large button

Copy

<button type="button" class="btn btn-primary btn-lg">Large button</button>

<button type="button" class="btn btn-secondary btn-lg">Large button</button>

Small button Small button

Copy

<button type="button" class="btn btn-primary btn-sm">Small button</button>

<button type="button" class="btn btn-secondary btn-sm">Small button</button>

Create block level buttons—those that span the full width of a parent—by adding .btn-block.

Block level buttonBlock level button

Copy

<button type="button" class="btn btn-primary btn-lg btn-block">Block level button</button>

<button type="button" class="btn btn-secondary btn-lg btn-block">Block level button</button>

## Active state

Buttons will appear pressed (with a darker background, darker border, and inset shadow) when active. **There’s no need to add a class to <button>s as they use a pseudo-class**. However, you can still force the same active appearance with .active(and include the aria-pressed="true" attribute) should you need to replicate the state programmatically.

[Primary link](https://getbootstrap.com/docs/4.1/components/buttons/) [Link](https://getbootstrap.com/docs/4.1/components/buttons/)

Copy

<a href="#" class="btn btn-primary btn-lg active" role="button" aria-pressed="true">Primary link</a>

<a href="#" class="btn btn-secondary btn-lg active" role="button" aria-pressed="true">Link</a>

## Disabled state

Make buttons look inactive by adding the disabled boolean attribute to any <button>element.

Primary button Button

Copy

<button type="button" class="btn btn-lg btn-primary" disabled>Primary button</button>

<button type="button" class="btn btn-secondary btn-lg" disabled>Button</button>

Disabled buttons using the <a> element behave a bit different:

* <a>s don’t support the disabled attribute, so you must add the .disabled class to make it visually appear disabled.
* Some future-friendly styles are included to disable all pointer-events on anchor buttons. In browsers which support that property, you won’t see the disabled cursor at all.
* Disabled buttons should include the aria-disabled="true" attribute to indicate the state of the element to assistive technologies.

[Primary link](https://getbootstrap.com/docs/4.1/components/buttons/) [Link](https://getbootstrap.com/docs/4.1/components/buttons/)

Copy

<a href="#" class="btn btn-primary btn-lg disabled" tabindex="-1" role="button" aria-disabled="true">Primary link</a>

<a href="#" class="btn btn-secondary btn-lg disabled" tabindex="-1" role="button" aria-disabled="true">Link</a>

##### **Link functionality caveat**

The .disabled class uses pointer-events: none to try to disable the link functionality of <a>s, but that CSS property is not yet standardized. In addition, even in browsers that do support pointer-events: none, keyboard navigation remains unaffected, meaning that sighted keyboard users and users of assistive technologies will still be able to activate these links. So to be safe, add a tabindex="-1"attribute on these links (to prevent them from receiving keyboard focus) and use custom JavaScript to disable their functionality.

## Button plugin

Do more with buttons. Control button states or create groups of buttons for more components like toolbars.

### Toggle states

Add data-toggle="button" to toggle a button’s active state. If you’re pre-toggling a button, you must manually add the .active class **and** aria-pressed="true" to the <button>.

Single toggle

Copy

<button type="button" class="btn btn-primary" data-toggle="button" aria-pressed="false" autocomplete="off">

Single toggle

</button>

### Checkbox and radio buttons

Bootstrap’s .button styles can be applied to other elements, such as <label>s, to provide checkbox or radio style button toggling. Add data-toggle="buttons" to a .btn-group containing those modified buttons to enable their toggling behavior via JavaScript and add .btn-group-toggle to style the <input>s within your buttons. **Note that you can create single input-powered buttons or groups of them.**

The checked state for these buttons is **only updated via click event** on the button. If you use another method to update the input—e.g., with <input type="reset"> or by manually applying the input’s checked property—you’ll need to toggle .active on the <label> manually.

Note that pre-checked buttons require you to manually add the .active class to the input’s <label>.

Checked

Copy

<div class="btn-group-toggle" data-toggle="buttons">

<label class="btn btn-secondary active">

<input type="checkbox" checked autocomplete="off"> Checked

</label>

</div>

ActiveRadioRadio

Copy

<div class="btn-group btn-group-toggle" data-toggle="buttons">

<label class="btn btn-secondary active">

<input type="radio" name="options" id="option1" autocomplete="off" checked> Active

</label>

<label class="btn btn-secondary">

<input type="radio" name="options" id="option2" autocomplete="off"> Radio

</label>

<label class="btn btn-secondary">

<input type="radio" name="options" id="option3" autocomplete="off"> Radio

</label>

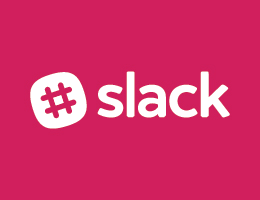
</div>

### Methods

| **Method** | **Description** |
| --- | --- |
| $().button('toggle') | Toggles push state. Gives the button the appearance that it has been activated. |
| $().button('dispose') | Destroys an element’s button. |

# Button group

Group a series of buttons together on a single line with the button group, and super-power them with JavaScript.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCESD4Z3JCW7I62JYCTYDLKJKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[It's teamwork, but simpler, more pleasant and more productive.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27YCESD4Z3JCW7I62JYCTYDLKJKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## Basic example

Wrap a series of buttons with .btn in .btn-group. Add on optional JavaScript radio and checkbox style behavior with [our buttons plugin](https://getbootstrap.com/docs/4.1/components/buttons/#button-plugin).

LeftMiddleRight

Copy

<div class="btn-group" role="group" aria-label="Basic example">

<button type="button" class="btn btn-secondary">Left</button>

<button type="button" class="btn btn-secondary">Middle</button>

<button type="button" class="btn btn-secondary">Right</button>

</div>

##### **Ensure correct role and provide a label**

In order for assistive technologies (such as screen readers) to convey that a series of buttons is grouped, an appropriate role attribute needs to be provided. For button groups, this would be role="group", while toolbars should have a role="toolbar".

In addition, groups and toolbars should be given an explicit label, as most assistive technologies will otherwise not announce them, despite the presence of the correct role attribute. In the examples provided here, we use aria-label, but alternatives such as aria-labelledby can also be used.

## Button toolbar

Combine sets of button groups into button toolbars for more complex components. Use utility classes as needed to space out groups, buttons, and more.

1234

567

8

Copy

<div class="btn-toolbar" role="toolbar" aria-label="Toolbar with button groups">

<div class="btn-group mr-2" role="group" aria-label="First group">

<button type="button" class="btn btn-secondary">1</button>

<button type="button" class="btn btn-secondary">2</button>

<button type="button" class="btn btn-secondary">3</button>

<button type="button" class="btn btn-secondary">4</button>

</div>

<div class="btn-group mr-2" role="group" aria-label="Second group">

<button type="button" class="btn btn-secondary">5</button>

<button type="button" class="btn btn-secondary">6</button>

<button type="button" class="btn btn-secondary">7</button>

</div>

<div class="btn-group" role="group" aria-label="Third group">

<button type="button" class="btn btn-secondary">8</button>

</div>

</div>

Feel free to mix input groups with button groups in your toolbars. Similar to the example above, you’ll likely need some utilities though to space things properly.

1234

@



1234

@



Copy

<div class="btn-toolbar mb-3" role="toolbar" aria-label="Toolbar with button groups">

<div class="btn-group mr-2" role="group" aria-label="First group">

<button type="button" class="btn btn-secondary">1</button>

<button type="button" class="btn btn-secondary">2</button>

<button type="button" class="btn btn-secondary">3</button>

<button type="button" class="btn btn-secondary">4</button>

</div>

<div class="input-group">

<div class="input-group-prepend">

<div class="input-group-text" id="btnGroupAddon">@</div>

</div>

<input type="text" class="form-control" placeholder="Input group example" aria-label="Input group example" aria-describedby="btnGroupAddon">

</div>

</div>

<div class="btn-toolbar justify-content-between" role="toolbar" aria-label="Toolbar with button groups">

<div class="btn-group" role="group" aria-label="First group">

<button type="button" class="btn btn-secondary">1</button>

<button type="button" class="btn btn-secondary">2</button>

<button type="button" class="btn btn-secondary">3</button>

<button type="button" class="btn btn-secondary">4</button>

</div>

<div class="input-group">

<div class="input-group-prepend">

<div class="input-group-text" id="btnGroupAddon2">@</div>

</div>

<input type="text" class="form-control" placeholder="Input group example" aria-label="Input group example" aria-describedby="btnGroupAddon2">

</div>

</div>

## Sizing

Instead of applying button sizing classes to every button in a group, just add .btn-group-\* to each .btn-group, including each one when nesting multiple groups.

LeftMiddleRight

LeftMiddleRight

LeftMiddleRight

Copy

<div class="btn-group btn-group-lg" role="group" aria-label="...">...</div>

<div class="btn-group" role="group" aria-label="...">...</div>

<div class="btn-group btn-group-sm" role="group" aria-label="...">...</div>

## Nesting

Place a .btn-group within another .btn-group when you want dropdown menus mixed with a series of buttons.

12

Dropdown

Copy

<div class="btn-group" role="group" aria-label="Button group with nested dropdown">

<button type="button" class="btn btn-secondary">1</button>

<button type="button" class="btn btn-secondary">2</button>

<div class="btn-group" role="group">

<button id="btnGroupDrop1" type="button" class="btn btn-secondary dropdown-toggle" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">

Dropdown

</button>

<div class="dropdown-menu" aria-labelledby="btnGroupDrop1">

<a class="dropdown-item" href="#">Dropdown link</a>

<a class="dropdown-item" href="#">Dropdown link</a>

</div>

</div>

</div>

## Vertical variation

Make a set of buttons appear vertically stacked rather than horizontally. **Split button dropdowns are not supported here.**

ButtonButtonButtonButtonButtonButton

ButtonButton

Dropdown

ButtonButton

Dropdown

Dropdown

Dropdown

Copy

<div class="btn-group-vertical">

...

</div>

# Cards

Bootstrap’s cards provide a flexible and extensible content container with multiple variants and options.

[](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[Do more with Droplets, the scalable compute platform.](https://srv.carbonads.net/ads/click/x/GTND42QICVBDL27YCAA4YKQMCK7DP27LCA7IEZ3JCW7I62JUFTSDP2JKC6BICKJMCV7IKK3EHJNCLSIZ?segment=placement:getbootstrapcom;)[ads via Carbon](http://carbonads.net/?utm_source=getbootstrapcom&utm_medium=ad_via_link&utm_campaign=in_unit&utm_term=carbon)

## About

A **card** is a flexible and extensible content container. It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options. If you’re familiar with Bootstrap 3, cards replace our old panels, wells, and thumbnails. Similar functionality to those components is available as modifier classes for cards.

## Example

Cards are built with as little markup and styles as possible, but still manage to deliver a ton of control and customization. Built with flexbox, they offer easy alignment and mix well with other Bootstrap components. They have no margin by default, so use [spacing utilities](https://getbootstrap.com/docs/4.1/utilities/spacing/) as needed.

Below is an example of a basic card with mixed content and a fixed width. Cards have no fixed width to start, so they’ll naturally fill the full width of its parent element. This is easily customized with our various [sizing options](https://getbootstrap.com/docs/4.1/components/card/#sizing).

##### **Card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card" style="width: 18rem;">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<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>

## Content types

Cards support a wide variety of content, including images, text, list groups, links, and more. Below are examples of what’s supported.

### Body

The building block of a card is the .card-body. Use it whenever you need a padded section within a card.

This is some text within a card body.

Copy

<div class="card">

<div class="card-body">

This is some text within a card body.

</div>

</div>

### Titles, text, and links

Card titles are used by adding .card-title to a <h\*> tag. In the same way, links are added and placed next to each other by adding .card-link to an <a> tag.

Subtitles are used by adding a .card-subtitle to a <h\*> tag. If the .card-title and the .card-subtitle items are placed in a .card-body item, the card title and subtitle are aligned nicely.

##### **Card title**

###### **Card subtitle**

Some quick example text to build on the card title and make up the bulk of the card's content.

[Card link](https://getbootstrap.com/docs/4.1/components/card/) [Another link](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card" style="width: 18rem;">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<h6 class="card-subtitle mb-2 text-muted">Card subtitle</h6>

<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="card-link">Card link</a>

<a href="#" class="card-link">Another link</a>

</div>

</div>

### Images

.card-img-top places an image to the top of the card. With .card-text, text can be added to the card. Text within .card-text can also be styled with the standard HTML tags.

Some quick example text to build on the card title and make up the bulk of the card's content.

Copy

<div class="card" style="width: 18rem;">

<img class="card-img-top" src=".../100px180/?text=Image cap" alt="Card image cap">

<div class="card-body">

<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>

</div>

</div>

### List groups

Create lists of content in a card with a flush list group.

* Cras justo odio
* Dapibus ac facilisis in
* Vestibulum at eros

Copy

<div class="card" style="width: 18rem;">

<ul class="list-group list-group-flush">

<li class="list-group-item">Cras justo odio</li>

<li class="list-group-item">Dapibus ac facilisis in</li>

<li class="list-group-item">Vestibulum at eros</li>

</ul>

</div>

Featured

* Cras justo odio
* Dapibus ac facilisis in
* Vestibulum at eros

Copy

<div class="card" style="width: 18rem;">

<div class="card-header">

Featured

</div>

<ul class="list-group list-group-flush">

<li class="list-group-item">Cras justo odio</li>

<li class="list-group-item">Dapibus ac facilisis in</li>

<li class="list-group-item">Vestibulum at eros</li>

</ul>

</div>

### Kitchen sink

Mix and match multiple content types to create the card you need, or throw everything in there. Shown below are image styles, blocks, text styles, and a list group—all wrapped in a fixed-width card.

##### **Card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

* Cras justo odio
* Dapibus ac facilisis in
* Vestibulum at eros

[Card link](https://getbootstrap.com/docs/4.1/components/card/) [Another link](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card" style="width: 18rem;">

<img class="card-img-top" src=".../100px180/?text=Image cap" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<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>

</div>

<ul class="list-group list-group-flush">

<li class="list-group-item">Cras justo odio</li>

<li class="list-group-item">Dapibus ac facilisis in</li>

<li class="list-group-item">Vestibulum at eros</li>

</ul>

<div class="card-body">

<a href="#" class="card-link">Card link</a>

<a href="#" class="card-link">Another link</a>

</div>

</div>

### Header and footer

Add an optional header and/or footer within a card.

Featured

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card">

<div class="card-header">

Featured

</div>

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

Card headers can be styled by adding .card-header to <h\*> elements.

##### **Featured**

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card">

<h5 class="card-header">Featured</h5>

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

Quote

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

Someone famous in Source Title

Copy

<div class="card">

<div class="card-header">

Quote

</div>

<div class="card-body">

<blockquote class="blockquote mb-0">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.</p>

<footer class="blockquote-footer">Someone famous in <cite title="Source Title">Source Title</cite></footer>

</blockquote>

</div>

</div>

Featured

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

2 days ago

Copy

<div class="card text-center">

<div class="card-header">

Featured

</div>

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

<div class="card-footer text-muted">

2 days ago

</div>

</div>

## Sizing

Cards assume no specific width to start, so they’ll be 100% wide unless otherwise stated. You can change this as needed with custom CSS, grid classes, grid Sass mixins, or utilities.

### Using grid markup

Using the grid, wrap cards in columns and rows as needed.

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="row">

<div class="col-sm-6">

<div class="card">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

</div>

<div class="col-sm-6">

<div class="card">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

</div>

</div>

### Using utilities

Use our handful of [available sizing utilities](https://getbootstrap.com/docs/4.1/utilities/sizing/) to quickly set a card’s width.

##### **Card title**

With supporting text below as a natural lead-in to additional content.

[Button](https://getbootstrap.com/docs/4.1/components/card/)

##### **Card title**

With supporting text below as a natural lead-in to additional content.

[Button](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card w-75">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Button</a>

</div>

</div>

<div class="card w-50">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Button</a>

</div>

</div>

### Using custom CSS

Use custom CSS in your stylesheets or as inline styles to set a width.

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card" style="width: 18rem;">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

## Text alignment

You can quickly change the text alignment of any card—in its entirety or specific parts—with our [text align classes](https://getbootstrap.com/docs/4.1/utilities/text/#text-alignment).

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card" style="width: 18rem;">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

<div class="card text-center" style="width: 18rem;">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

<div class="card text-right" style="width: 18rem;">

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

## Navigation

Add some navigation to a card’s header (or block) with Bootstrap’s [nav components](https://getbootstrap.com/docs/4.1/components/navs/).

* [Active](https://getbootstrap.com/docs/4.1/components/card/)
* [Link](https://getbootstrap.com/docs/4.1/components/card/)
* [Disabled](https://getbootstrap.com/docs/4.1/components/card/)

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card text-center">

<div class="card-header">

<ul class="nav nav-tabs card-header-tabs">

<li class="nav-item">

<a class="nav-link active" href="#">Active</a>

</li>

<li class="nav-item">

<a class="nav-link" href="#">Link</a>

</li>

<li class="nav-item">

<a class="nav-link disabled" href="#">Disabled</a>

</li>

</ul>

</div>

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

* [Active](https://getbootstrap.com/docs/4.1/components/card/)
* [Link](https://getbootstrap.com/docs/4.1/components/card/)
* [Disabled](https://getbootstrap.com/docs/4.1/components/card/)

##### **Special title treatment**

With supporting text below as a natural lead-in to additional content.

[Go somewhere](https://getbootstrap.com/docs/4.1/components/card/)

Copy

<div class="card text-center">

<div class="card-header">

<ul class="nav nav-pills card-header-pills">

<li class="nav-item">

<a class="nav-link active" href="#">Active</a>

</li>

<li class="nav-item">

<a class="nav-link" href="#">Link</a>

</li>

<li class="nav-item">

<a class="nav-link disabled" href="#">Disabled</a>

</li>

</ul>

</div>

<div class="card-body">

<h5 class="card-title">Special title treatment</h5>

<p class="card-text">With supporting text below as a natural lead-in to additional content.</p>

<a href="#" class="btn btn-primary">Go somewhere</a>

</div>

</div>

## Images

Cards include a few options for working with images. Choose from appending “image caps” at either end of a card, overlaying images with card content, or simply embedding the image in a card.

### Image caps

Similar to headers and footers, cards can include top and bottom “image caps”—images at the top or bottom of a card.

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

Copy

<div class="card mb-3">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

<img class="card-img-bottom" src=".../100px180/" alt="Card image cap">

</div>

### Image overlays

Turn an image into a card background and overlay your card’s text. Depending on the image, you may or may not need additional styles or utilities.

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

Copy

<div class="card bg-dark text-white">

<img class="card-img" src=".../100px270/#55595c:#373a3c/text:Card image" alt="Card image">

<div class="card-img-overlay">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

<p class="card-text">Last updated 3 mins ago</p>

</div>

</div>

## Card styles

Cards include various options for customizing their backgrounds, borders, and color.

### Background and color

Use [text and background utilities](https://getbootstrap.com/docs/4.1/utilities/colors/) to change the appearance of a card.

Header

##### **Primary card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Secondary card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Success card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Danger card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Warning card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Info card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Light card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Dark card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Copy

<div class="card text-white bg-primary mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Primary card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-secondary mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Secondary card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-success mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Success card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-danger mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Danger card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-warning mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Warning card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-info mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Info card title</h5>

<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>

</div>

</div>

<div class="card bg-light mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Light card title</h5>

<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>

</div>

</div>

<div class="card text-white bg-dark mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Dark card title</h5>

<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>

</div>

</div>

##### **Conveying meaning to assistive technologies**

Using color to add meaning only provides a visual indication, which will not be conveyed to users of assistive technologies – such as screen readers. Ensure that information denoted by the color is either obvious from the content itself (e.g. the visible text), or is included through alternative means, such as additional text hidden with the .sr-only class.

### Border

Use [border utilities](https://getbootstrap.com/docs/4.1/utilities/borders/) to change just the border-color of a card. Note that you can put .text-{color} classes on the parent .card or a subset of the card’s contents as shown below.

Header

##### **Primary card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Secondary card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Success card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Danger card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Warning card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Info card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Light card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Header

##### **Dark card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Copy

<div class="card border-primary mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-primary">

<h5 class="card-title">Primary card title</h5>

<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>

</div>

</div>

<div class="card border-secondary mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-secondary">

<h5 class="card-title">Secondary card title</h5>

<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>

</div>

</div>

<div class="card border-success mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-success">

<h5 class="card-title">Success card title</h5>

<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>

</div>

</div>

<div class="card border-danger mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-danger">

<h5 class="card-title">Danger card title</h5>

<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>

</div>

</div>

<div class="card border-warning mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-warning">

<h5 class="card-title">Warning card title</h5>

<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>

</div>

</div>

<div class="card border-info mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-info">

<h5 class="card-title">Info card title</h5>

<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>

</div>

</div>

<div class="card border-light mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body">

<h5 class="card-title">Light card title</h5>

<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>

</div>

</div>

<div class="card border-dark mb-3" style="max-width: 18rem;">

<div class="card-header">Header</div>

<div class="card-body text-dark">

<h5 class="card-title">Dark card title</h5>

<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>

</div>

</div>

### Mixins utilities

You can also change the borders on the card header and footer as needed, and even remove their background-color with .bg-transparent.

Header

##### **Success card title**

Some quick example text to build on the card title and make up the bulk of the card's content.

Footer

Copy

<div class="card border-success mb-3" style="max-width: 18rem;">

<div class="card-header bg-transparent border-success">Header</div>

<div class="card-body text-success">

<h5 class="card-title">Success card title</h5>

<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>

</div>

<div class="card-footer bg-transparent border-success">Footer</div>

</div>

## Card layout

In addition to styling the content within cards, Bootstrap includes a few options for laying out series of cards. For the time being, **these layout options are not yet responsive**.

### Card groups

Use card groups to render cards as a single, attached element with equal width and height columns. Card groups use display: flex; to achieve their uniform sizing.

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

##### **Card title**

This card has supporting text below as a natural lead-in to additional content.

Last updated 3 mins ago

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.

Last updated 3 mins ago

Copy

<div class="card-group">

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

</div>

When using card groups with footers, their content will automatically line up.

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

##### **Card title**

This card has supporting text below as a natural lead-in to additional content.

Last updated 3 mins ago

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.

Last updated 3 mins ago

Copy

<div class="card-group">

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

</div>

### Card decks

Need a set of equal width and height cards that aren’t attached to one another? Use card decks.

##### **Card title**

This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

##### **Card title**

This card has supporting text below as a natural lead-in to additional content.

Last updated 3 mins ago

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.

Last updated 3 mins ago

Copy

<div class="card-deck">

<div class="card">

<img class="card-img-top" src=".../100px200/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px200/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px200/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

</div>

Just like with card groups, card footers in decks will automatically line up.

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Last updated 3 mins ago

##### **Card title**

This card has supporting text below as a natural lead-in to additional content.

Last updated 3 mins ago

##### **Card title**

This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.

Last updated 3 mins ago

Copy

<div class="card-deck">

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

<div class="card">

<img class="card-img-top" src=".../100px180/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is a wider card with supporting text below as a natural lead-in to additional content. This card has even longer content than the first to show that equal height action.</p>

</div>

<div class="card-footer">

<small class="text-muted">Last updated 3 mins ago</small>

</div>

</div>

</div>

### Card columns

Cards can be organized into [Masonry](https://masonry.desandro.com/)-like columns with just CSS by wrapping them in .card-columns. Cards are built with CSS column properties instead of flexbox for easier alignment. Cards are ordered from top to bottom and left to right.

**Heads up!** Your mileage with card columns may vary. To prevent cards breaking across columns, we must set them to display: inline-block as column-break-inside: avoidisn’t a bulletproof solution yet.

##### **Card title that wraps to a new line**

This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

 Someone famous inSource Title

##### **Card title**

This card has supporting text below as a natural lead-in to additional content.

Last updated 3 mins ago

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat.

 Someone famous in Source Title

##### **Card title**

This card has a regular title and short paragraphy of text below it.

Last updated 3 mins ago

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.

 Someone famous in Source Title

##### **Card title**

This is another card with title and supporting text below. This card has some additional content to make it slightly taller overall.

Last updated 3 mins ago

Copy

<div class="card-columns">

<div class="card">

<img class="card-img-top" src=".../100px160/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title that wraps to a new line</h5>

<p class="card-text">This is a longer card with supporting text below as a natural lead-in to additional content. This content is a little bit longer.</p>

</div>

</div>

<div class="card p-3">

<blockquote class="blockquote mb-0 card-body">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.</p>

<footer class="blockquote-footer">

<small class="text-muted">

Someone famous in <cite title="Source Title">Source Title</cite>

</small>

</footer>

</blockquote>

</div>

<div class="card">

<img class="card-img-top" src=".../100px160/" alt="Card image cap">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has supporting text below as a natural lead-in to additional content.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card bg-primary text-white text-center p-3">

<blockquote class="blockquote mb-0">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat.</p>

<footer class="blockquote-footer">

<small>

Someone famous in <cite title="Source Title">Source Title</cite>

</small>

</footer>

</blockquote>

</div>

<div class="card text-center">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This card has a regular title and short paragraphy of text below it.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

<div class="card">

<img class="card-img" src=".../100px260/" alt="Card image">

</div>

<div class="card p-3 text-right">

<blockquote class="blockquote mb-0">

<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer posuere erat a ante.</p>

<footer class="blockquote-footer">

<small class="text-muted">

Someone famous in <cite title="Source Title">Source Title</cite>

</small>

</footer>

</blockquote>

</div>

<div class="card">

<div class="card-body">

<h5 class="card-title">Card title</h5>

<p class="card-text">This is another card with title and supporting text below. This card has some additional content to make it slightly taller overall.</p>

<p class="card-text"><small class="text-muted">Last updated 3 mins ago</small></p>

</div>

</div>

</div>

Card columns can also be extended and customized with some additional code. Shown below is an extension of the .card-columns class using the same CSS we use—CSS columns— to generate a set of responsive tiers for changing the number of columns.

Copy

.card-columns {

@include media-breakpoint-only(lg) {

column-count: 4;

}

@include media-breakpoint-only(xl) {

column-count: 5;

}

}

1. **Utilities**
2. **Extend**
3. **Migration**
4. **About**