

# Override Bootstrap CSS

---

## Sections in this chapter:

### 1. Customize CSS

#### 8-1. Customize CSS

Bootstrap comes with a **base styling** for all of its parts.

8-1-1

This styling is defined in `bootstrap.css` or `bootstrap.min.css`

When using Bootstrap this is **mainly** the stylesheet we want to include.

8-1-2

Followed by themes and custom stylesheets.

## Themes

8-1-3

Along with Bootstrap comes **themes**, which is optional.

A theme is a set of CSS rules for setting a **specific look**.

8-1-4

```
.btn-primary {  
  background-color: cyan;  
}  
  
.new-bg {  
  background-color: #8b743d;  
}
```

This can be modification of existing classes and ids, or new ones.

Bootstrap comes with a default one, `bootstrap-theme.css` or `bootstrap-theme.min.css`

8-1-5

Buttons without any theme:

8-1-6

BUTTON WITH BOOTSTRAP THEME

BUTTON WITH BOOTSTRAP THEME

BUTTON WITH BOOTSTRAP THEME

Buttons with Bootstrap default theme:

BUTTON WITH BOOTSTRAP THEME

BUTTON WITH BOOTSTRAP THEME

BUTTON WITH BOOTSTRAP THEME

*Notice the added gradient for example.*

Beyond Bootstrap default theme there are several other themes out there to use.

8-1-7

For example [Bootswatch](#) has a bunch.

To use them, simply download the CSS file and include it after Bootstrap base css file.

8-1-8

## Custom stylesheet

8-1-9

Not everyone wants to hold tight to the default look of Bootstrap on their pages.

We can **change the default style** by changing the Bootstrap CSS files or by adding custom stylesheets.

8-1-10

In this chapter we will talk about how we **override Bootstrap CSS** with custom stylesheets.

8-1-11

When we include our custom stylesheet to our page we want to put it **after** the Bootstrap default one.

8-1-12

```
<head>
  <link rel="stylesheet" type="text/css" href="css/bootstrap.min.css">
  <link rel="stylesheet" type="text/css" href="css/custom.css">
</head>
```

**Q** Why does that matter?

8-1-13

**A** We know that when the browser reads the HTML file, it reads it from top to bottom.

8-1-14

Aside from specificity, the order is what counts the most.

By including our custom stylesheets after Bootstrap we will be able to easily override Bootstrap styles.

8-1-15

*Without the ugly !important keyword*

This is because, once again aside specificity, our custom stylesheet will be the most **current in the order**.

8-1-16

## Override

8-1-17

In our custom stylesheet we can target and style our own ids and classes, as well as the ones provided from Bootstrap.

Changing the default look of bootstrap .btn class:

8-1-18

```
/* custom.css */  
.btn {  
  border-radius: 50px;  
}
```

*Default border-radius on btn is 4px, defined in bootstrap.css*

By adding this to our custom stylesheet, applying .btn would no longer give us the default look.

8-1-19

Default:



Modified:



**Q** Why do we want to add custom stylesheet when we can change directly in the css files?

8-1-20

Changing the CSS files would of course require that we download the physical files, no using CDN.

**A** Keeping our changes in a custom stylesheets gives us a few benefits:

8-1-21

- Easy to maintain
- Easy to see what has been changed
- Easy to revert back to default
- Easy to update to future versions of Bootstrap without changes getting lost

Last step assumes that the update is minor, otherwise you might have to change your custom styles)

## Exercise

8-1-22

Override Bootstrap CSS