Bootstrap Grid System | Part 2 | Cheat Sheet
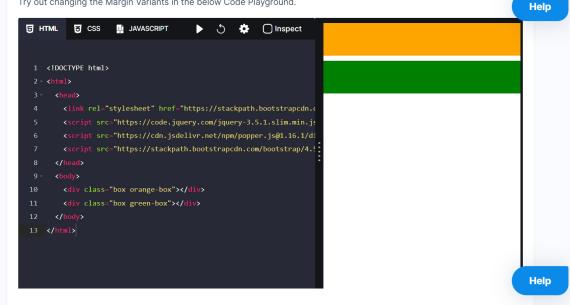
1. CSS Box Properties

1.1 Margin

We can get spacing between the two HTML elements with the CSS Box property `margin` .

To get space only on one particular side, we use **Margin Variants**.

- margin-top
- margin-right
- margin-bottom
- margin-left

Try out changing the Margin Variants in the below Code Playground.

```
HTML        CSS        JAVASCRIPT        ▶  ↺  ⚙  ☐ Inspect

1   <!DOCTYPE html>
2   <html>
3     <head>
4       <link rel="stylesheet" href="https://stackpath.bootstrapcdn.c
5       <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js
6       <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/di
7       <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5
8     </head>
9     <body>
10      <div class="box orange-box"></div>
11      <div class="box green-box"></div>
12    </body>
13  </html>
```

2. Bootstrap Spacing Utilities

2.1 Margin

CSS Margin property	Bootstrap class name
margin	m-*
margin-top	mt-*
margin-right	mr-*
margin-bottom	mb-*
margin-left	ml-*

The asterisk (`*`) symbol can be any number in the range of 0 to 5. For example, `m-5` , `mr-2` , `mb-3` , etc.

2.1.1 Margin Values

Size	Value
0	0
1	0.25 * spacer
2	0.5 * spacer
3	1 * spacer

4	1.5 * spacer
5	3 * spacer

The **spacer** is a variable and has a value of 16 pixels by default.

For example,

- `mb-3` = 1 * 16px = 16px
- `m-5` = 3 * 16px = 48px

2.2 Padding

CSS Padding property	Bootstrap class name
padding	p-*
padding-top	pt-*
padding-right	pr-*
padding-bottom	pb-*
padding-left	pl-*

The asterisk (`*`) symbol can be any number in the range of 0 to 5. For example, `p-3` , `pr-1` , `pb-5` , etc.

2.2.1 Padding Values

Size	Value
0	0
1	0.25 * spacer
2	0.5 * spacer
3	1 * spacer
4	1.5 * spacer
5	3 * spacer

The **spacer** is a variable and has a value of 16 pixels by default.

For example,

- `p-1` = 0.25 * 16px = 4px
- `pt-4` = 1.5 * 16px = 24px

3. Bootstrap Background Color Utilities

You can use one of the below Bootstrap class names to apply a background color to an HTML element.

```
1   <!DOCTYPE html>
2   <html>
3     <head>
4       <link rel="stylesheet" href="https://stackpath.bootstrapcdn
5       <script src="https://code.jquery.com/jquery-3.5.1.slim.min.
6       <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/
7       <script src="https://stackpath.bootstrapcdn.com/bootstrap/4
8     </head>
9     <body>
10      <div class="bg-primary p-2">
11        <p>Primary</p>
12      </div>
13      <div class="bg-secondary p-2">
14        <p>Secondary</p>
15      </div>
```

Primary

Secondary

Success

Info

Warning

Light

Dark

White

```
16     <div class="bg-success p-2">
17         <p>Success</p>
```

Danger

📋 **Note**

In the above Code Playground, we used the bootstrap class name `p-2` for padding.

4. Developing Layouts for five Responsive Breakpoints

4.1 Color Palette


```
    HTML        CSS        JAVASCRIPT        ▶  ↺  ⚙  ⬭ Inspect

 1   <!DOCTYPE html>
 2   <html>
 3     <head>
 4       <link rel="stylesheet" href="https://stackpath.bootstrapcdn
 5       <script src="https://code.jquery.com/jquery-3.5.1.slim.min.
 6       <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/
 7       <script src="https://stackpath.bootstrapcdn.com/bootstrap/4
 8     </head>
 9     <body>
10       <h1 class="color-palette-heading">Color Palette</h1>
11       <div class="container">
12         <div class="row">
13           <div class="col-12 col-md-6 col-lg-4 col-xl-3 mb-3">
14             <div class="color-box bg-primary">
15               <p class="color-name">Primary</p>
16             </div>
17           </div>
```

Color Palette

Primary

Secondary

Success

Info

Warning

Danger

Help

Submit Feedback   ✓ MARKED AS COMPLETE

Notes | Discussions

Notes   + NEW NOTE

B *I* U S̶ ≡ ≡ 🔗 🖼

Title
Take a Note

CANCEL   SAVE

Help