

Spacing

Bootstrap includes a wide range of shorthand responsive margin, padding, and gap utility classes to modify an element's appearance.

Margin and padding

Assign responsive-friendly `margin` or `padding` values to an element or a subset of its sides with shorthand classes. Includes support for individual properties, all properties, and vertical and horizontal properties. Classes are built from a default Sass map ranging from `.25rem` to `3rem`.

Notation

Spacing utilities that apply to all breakpoints, from `xs` to `xxl`, have no breakpoint abbreviation in them. This is because those classes are applied from `min-width: 0` and up, and thus are not bound by a media query. The remaining breakpoints, however, do include a breakpoint abbreviation.

The classes are named using the format `{property}{sides}-{size}` for `xs` and `{property}{sides}-{breakpoint}-{size}` for `sm`, `md`, `lg`, `xl`, and `xxl`.

Where *property* is one of:

- `m` - for classes that set margin
- `p` - for classes that set padding

Where *sides* is one of:

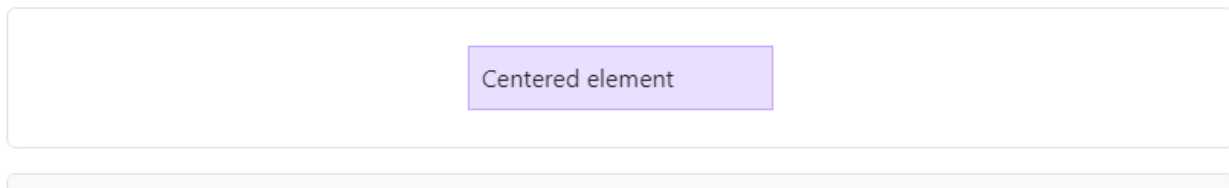
- `t` - for classes that set `margin-top` or `padding-top`
- `b` - for classes that set `margin-bottom` or `padding-bottom`
- `s` - (start) for classes that set `margin-left` or `padding-left` in LTR, `margin-right` or `padding-right` in RTL
- `e` - (end) for classes that set `margin-right` or `padding-right` in LTR, `margin-left` or `padding-left` in RTL
- `x` - for classes that set both `*-left` and `*-right`
- `y` - for classes that set both `*-top` and `*-bottom`
- blank - for classes that set a margin or padding on all 4 sides of the element

Where *size* is one of:

- 0 - for classes that eliminate the margin or padding by setting it to 0
- 1 - (by default) for classes that set the margin or padding to \$spacer * .25
- 2 - (by default) for classes that set the margin or padding to \$spacer * .5
- 3 - (by default) for classes that set the margin or padding to \$spacer
- 4 - (by default) for classes that set the margin or padding to \$spacer * 1.5
- 5 - (by default) for classes that set the margin or padding to \$spacer * 3
- auto - for classes that set the margin to auto

Horizontal centering

Additionally, Bootstrap also includes an `.mx-auto` class for horizontally centering fixed-width block level content—that is, content that has `display: block` and a width set—by setting the horizontal margins to `auto`.



```
<!doctype html>

<html lang="en">

  <head>

    <meta charset="utf-8">

    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title>Bootstrap demo</title>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet"

      integrity="sha384-
QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhY6hW+ALEwIH"
crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
```

```
integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLEsaAA55NDzOxhy9GkclDslK1eN7N6jleHz"
crossorigin="anonymous"></script>
```

```
</head>
```

```
<body>
```

```
<div class="container text-center">
```

```
<div class="mx-auto p-2" style="width: 200px;">
```

Centered element

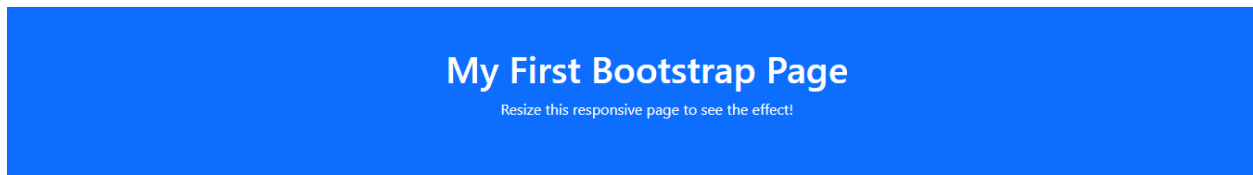
```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Another example with padding and Margin :-



Column 1

Lorem ipsum dolor sit amet, consectetur adipiscing elit...

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...

Column 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit...

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...

Column 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit...

Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>

  <title>Bootstrap 5 Example</title>

  <meta charset="utf-8">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>

</head>

<body>

<div class="container-fluid p-5 bg-primary text-white text-center">

  <h1>My First Bootstrap Page</h1>

  <p>Resize this responsive page to see the effect!</p>

</div>

<div class="container mt-5">

  <div class="row">

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

      <h3>Column 1</h3>

      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit...</p>

      <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...</p>

    </div>

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

      <h3>Column 2</h3>

      <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit...</p>

      <p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...</p>

    </div>

  </div>

</div>
```

```
</div>
```

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

```
<h3>Column 3</h3>
```

```
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit...</p>
```

```
<p>Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris...</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Another example :-

My First Bootstrap Page

This container has a border and some extra padding and margins.

My First Bootstrap Page

This container has a dark background color and a white text, and some extra padding and margins.

My First Bootstrap Page

This container has a blue background color and a white text, and some extra padding and margins.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Bootstrap Example</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"></script>
</head>
<body>
```

```
<div class="container p-5 my-5 border">  
  <h1>My First Bootstrap Page</h1>  
  <p>This container has a border and some extra padding and margins.</p>  
</div>
```

```
<div class="container p-5 my-5 bg-dark text-white">  
  <h1>My First Bootstrap Page</h1>  
  <p>This container has a dark background color and a white text, and some extra padding and  
  margins.</p>  
</div>
```

```
<div class="container p-5 my-5 bg-primary text-white">  
  <h1>My First Bootstrap Page</h1>  
  <p>This container has a blue background color and a white text, and some extra padding and  
  margins.</p>  
</div>
```

```
</body>
```

```
</html>
```