

# Bootstrap 5 Containers

Bootstrap 5 Containers are a core Bootstrap building piece that contains and align your content within a specific device or viewport. The bootstrap 5 container contains responsive width with the required row and column for the advanced features and content. The container class works as fixed and responsive on the web page.

## Bootstrap 5 to Create Containers

Containers are the most fundamental Bootstrap layout elements necessary when using the grid system. Containers are mostly used to envelop material with padding. In the case of a fixed-width layout, they are also used to centre the content horizontally on the page.

Bootstrap 5 has three types of containers:

- **Container:** The ".container class" has a maximum width at each responsive breakpoint.
- **Container-fluid:** The ".container-fluid" class has a width of 100 percent at all breakpoints.
- **Responsive Container:** The ".container-breakpoint" has a width of 100 percent until the specified breakpoint.

## Bootstrap 5 "container" class

The container class contains content, navbar, image slider, and other functions with a grid system. It is a fixed-width container for web pages. The container class provides spaces inside the body section. It's placed in the center of the body section of the html page.

### Example

The following example shows container in body tag with content. Bootstrap 5 uses the "container" class with "bg-info" background color. We can add row, columns and other features in the container tag.

1. `<!DOCTYPE html>`
2. `<html lang="en">`
3. `<head>`
4. `<title> Bootstrap 5 container Example </title>`
5. `<meta charset = "utf-8">`
6. `<meta name = "viewport" content = "width=device-width, initial-scale=1">`
7. `<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel = "stylesheet">`
8. `<script src = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">`
9. `</script>`
10. `<style>`

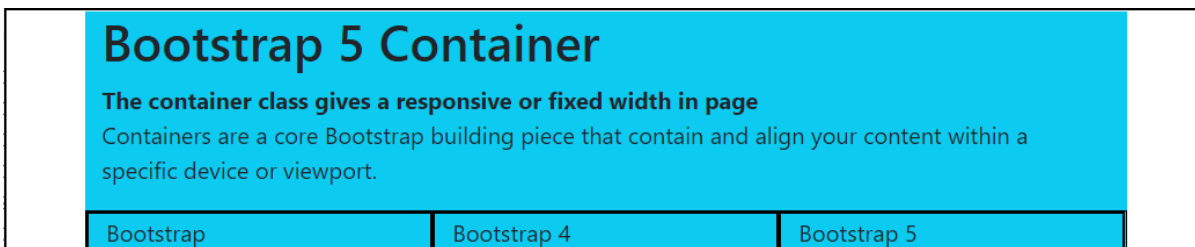
```

11. body{
12. border:2px solid black;
13. }
14. </style>
15. </head>
16. <body>
17. <div class="container bg-info">
18. <h1> Bootstrap 5 Container </h1>
19. <b> The container class gives a responsive or fixed width in page </b>
20. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
21. <div class = "row" style="border : 1px solid black;">
22. <div class = "col" style="border : 2px solid black;"> Bootstrap </div>
23. <div class = "col" style="border : 2px solid black;"> Bootstrap 4 </div>
24. <div class = "col" style="border : 2px solid black;"> Bootstrap 5 </div>
25. </div>
26. </div>
27. </body>
28. </html>

```

## Output:

The following image shows the output of the container class example.



## Bootstrap 5 "container-fluid" class

The container-fluid class contains content, navbar, image slider, and other functions with a grid system. The container class acquires space inside of the body section. If we need to use all space of the web page, then use the container-fluid class. It is a full-width container for web pages.

## Example

The following example shows container in body tag with content. Bootstrap 5 uses the "container-fluid" class with "bg-info" background color. We can add fixed or responsive row, columns and other features in the container-fluid element.

```

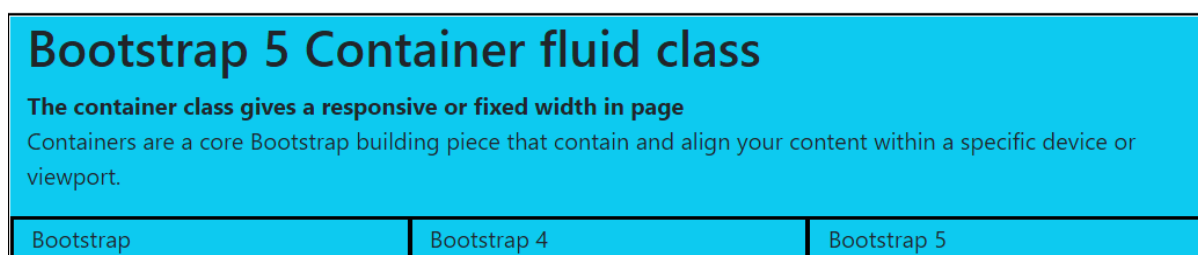
1. <!DOCTYPE html>
2. <html lang="en">

```

3. `<head>`
4. `<title> Bootstrap 5 container fluid Example </title>`
5. `<meta charset = "utf-8">`
6. `<meta name = "viewport" content = "width=device-width, initial-scale=1">`
7. `<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel = "stylesheet">`
8. `<script src = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">`
9. `</script>`
10. `<style>`
11. `body{`
12. `border:2px solid black;`
13. `}`
14. `</style>`
15. `</head>`
16. `<body>`
17. `<div class="container-fluid bg-info">`
18. `<h1> Bootstrap 5 Container fluid class </h1>`
19. `<b> The container class gives a responsive or fixed width in page </b>`
20. `<p> Containers are a core Bootstrap building piece that contain and align your content within a specific device or viewport. </p>`
21. `<div class = "row" style="border : 1px solid black;">`
22. `<div class = "col" style="border : 2px solid black;"> Bootstrap </div>`
23. `<div class = "col" style="border : 2px solid black;"> Bootstrap 4 </div>`
24. `<div class = "col" style="border : 2px solid black;"> Bootstrap 5 </div>`
25. `</div>`
26. `</div>`
27. `</body>`
28. `</html>`

## Output:

The following image shows the output of the container class example.



## Bootstrap 5 responsive container

The container-breakpoint class contains content and other functions with the grid system. The breakpoint places the size of the fixed-width for particular devices. The container class acquires space inside of the body section. The responsive container shows the container as per device width.

The following table shows breakpoint with width size.

<b>Classes container- breakpoint</b>	<b>Extra Small &lt; 576px</b>	<b>Small (sm) ≥ 576px</b>	<b>Medium(md) ≥ 768px</b>	<b>Large(lg) ≥992px</b>	<b>X- Large (xl) ≥1200px</b>	<b>XX-Large (xxl) ≥1400px</b>
"container" class	100%	540px	720px	960px	1140px	1320px
"container-sm" class	100%	540px	720px	960px	1140px	1320px
"container-md" class	100%	100%	720px	960px	1140px	1320px
"container-lg" class	100%	100%	100%	960px	1140px	1320px
"container-xl" class	100%	100%	100%	100%	1140px	1320px
"container-xxl" class	100%	100%	100%	100%	100%	1320px

## Example

The following example shows a responsive container in a body tag with content. Bootstrap 5 creates a responsive container using the "container-breakpoint" class. The default class is "container" for all web pages. If we need to use for small, medium, large, extra large and double extra large then use "container-sm", "container-md", "container-lg", "container-xl" and "container-xxl" class respectively.

1. `<!DOCTYPE html>`
2. `<html lang="en">`
3. `<head>`
4. `<title> Bootstrap 5 container Example </title>`
5. `<meta charset = "utf-8">`
6. `<meta name = "viewport" content = "width=device-width, initial-scale=1">`
7. `<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel = "stylesheet">`
8. `<script src = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">`
9. `</script>`

```
10. <style>
11. body{
12. border:2px solid black;
13. }
14. </style>
15. </head>
16. <body>
17. <div class="container-sm bg-info">
18. <h1> Bootstrap 5 Container </h1>
19. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
20. </div>
21. <div class="container-md bg-info">
22. <h1> Bootstrap 5 Container </h1>
23. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
24. </div>
25. <div class="container-lg bg-info">
26. <h1> Bootstrap 5 Container </h1>
27. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
28. </div>
29. <div class="container-xl bg-info">
30. <h1> Bootstrap 5 Container </h1>
31. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
32. </div>
33. <div class="container-xxl bg-info">
34. <h1> Bootstrap 5 Container </h1>
35. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
36. </div>
37. </body>
38. </html>
```

## Output:

The following image shows the output of the container class example.

## Bootstrap 5 Container

Containers are a core Bootstrap building piece that contain and align your content within a specific device or viewport.

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Containers are a core Bootstrap building piece that contain and align your content within a specific device or viewport.

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## Padding for Containers

By default, containers have left and right padding but no top or bottom padding. As a result, we frequently use spacing utilities such as extra padding and margins to improve their appearance. Container fluid does not have any padding on a page. We need to use padding with size and side. For example, the ".pb-size" class implies adding bottom padding with size.

### Example

Bootstrap 5 uses the "py-5" class for padding the container. The "py" works for spacing the top and bottom sides simultaneously.

The container-fluid uses the "py" and "px" for vertical and horizontal padding with 5 sizes.

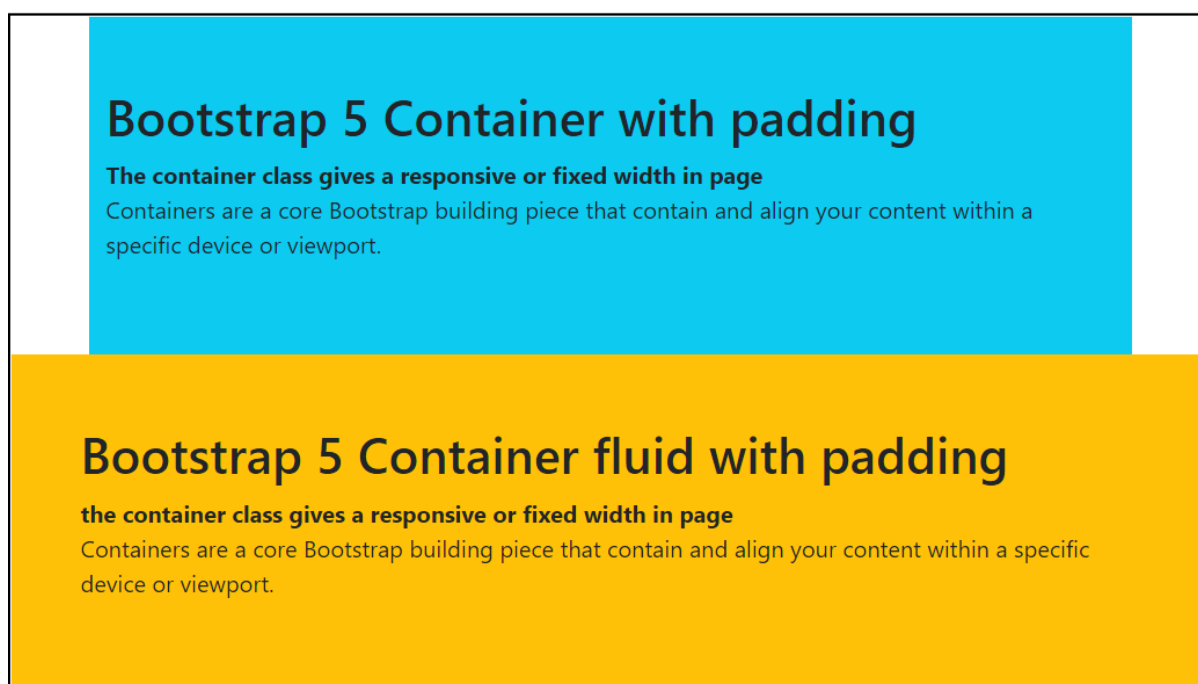
The following example shows responsive container in body tag with padding.

1. `<!DOCTYPE html>`
2. `<html lang="en">`
3. `<head>`
4. `<title> Bootstrap 5 container Example </title>`
5. `<meta charset = "utf-8">`
6. `<meta name = "viewport" content = "width=device-width, initial-scale=1">`
7. `<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel = "stylesheet">`
8. `<script src = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">`

```
9. </script>
10. <style>
11. body{
12. border:2px solid black;
13. }
14. </style>
15. </head>
16. <body>
17. <div class="container py-5 bg-info">
18. <h1> Bootstrap 5 Container with padding </h1>
19. <b>The container class gives a responsive or fixed width in page </b>
20. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
21. </div>
22. <div class="container-fluid py-5 px-5 bg-warning">
23. <h1> Bootstrap 5 Container fluid with padding </h1>
24. <b>the container class gives a responsive or fixed width in page </b>
25. <p> Containers are a core Bootstrap building piece that contain and align your content wit
    hin a specific device or viewport. </p>
26. </div>
27. </body>
28. </html>
```

### Output:

The following image shows the output of the container class example.



# Border, Color, Margin for Containers

By default, containers have left and right spacing but no top or bottom padding. As a result, we frequently use spacing utilities such as extra padding and margins to improve their appearance. Container fluid does not have any space on the page. We need to use margin for any side. For example, the ".m(side)-size" class implies adding the required side's margin with size.

## Example

The container uses "my-3" for horizontal margins such as the top and bottom side with the "3" size. The "border" class uses to create a border around the container, and the "text-white" class is for white color container content. The "bg-light" uses to display light grey background.

The "bg-success" applies on the second container to set the green background. This container uses the "5" size margin from all sides using the "m-5" class.

The container-fluid applies "bg-warning" with border and "m-5" margin.

The following example shows responsive container in body tag with margin, border, and color.

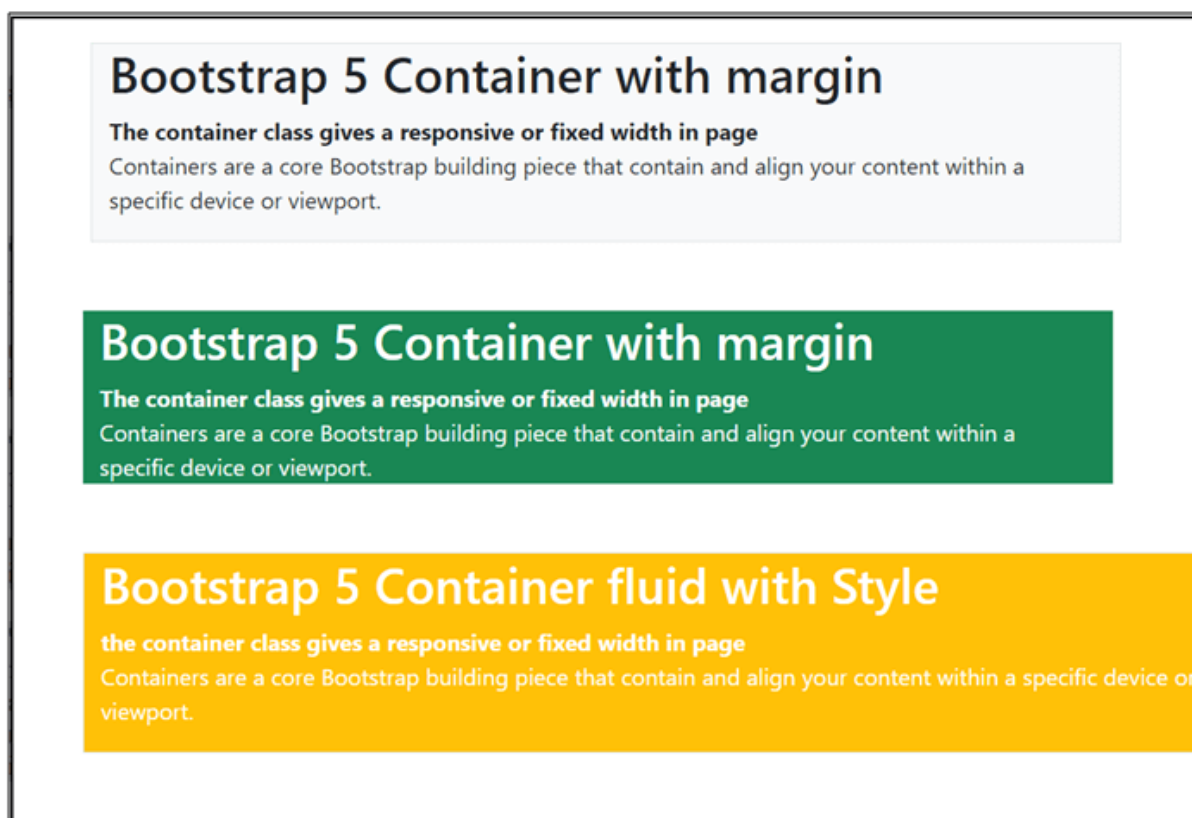
1. `<!DOCTYPE html>`
2. `<html lang="en">`
3. `<head>`
4. `<title> Bootstrap 5 container Example </title>`
5. `<meta charset = "utf-8">`
6. `<meta name = "viewport" content = "width=device-width, initial-scale=1">`
7. `<link href = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel = "stylesheet">`
8. `<script src = "https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js">`  
`>`
9. `</script>`
10. `<style>`
11. `body{`
12. `border:2px solid black;`
13. `}`
14. `</style>`
15. `</head>`
16. `<body>`
17. `<div class="container my-3 bg-light border">`
18. `<h1> Bootstrap 5 Container with margin </h1>`
19. `<b> The container class gives a responsive or fixed width in page </b>`
20. `<p> Containers are a core Bootstrap building piece that contain and align your content with  
in a specific device or viewport. </p>`
21. `</div>`



22. `<div class="container m-5 bg-success text-white">`
23. `<h1> Bootstrap 5 Container with margin </h1>`
24. `<b>The container class gives a responsive or fixed width in page </b>`
25. `<p> Containers are a core Bootstrap building piece that contain and align your content within a specific device or viewport. </p>`
26. `</div>`
27. `<div class="container-fluid m-5 bg-warning text-white border">`
28. `<h1> Bootstrap 5 Container fluid with Style </h1>`
29. `<b>the container class gives a responsive or fixed width in page </b>`
30. `<p> Containers are a core Bootstrap building piece that contain and align your content within a specific device or viewport. </p>`
31. `</div>`
32. `</body>`
33. `</html>`

### Output:

The following image shows the output of the container class example.



## Conclusion

The bootstrap 5 containers contain content, features, and advanced functions of the web application. It is an essential part of bootstrap 5 to create a user interactive web page.