

Bootstrap's Grid System



Bootstrap provides CSS classes that can divide your HTML into rows and columns

It has other classes too, but we'll get to them



**Bootstrap enables “responsive” design,
where your website’s layout changes for
screens of different widths**



Responsive Breakpoints

- 1200px <= “xl”
- 992px <= “lg” < 1200px
- 768px <= “md” < 992px
- 576px <= “sm” < 768px
- “xs” < 576px



.row

- The row class is meant to contain .col-* divs

.col-*

- Rows are divided up into 12 column divs
- Examples: col-2, col-sm-12, col-md-4, col-lg-3, col-xl-5

On small screens:

This row renders two full width columns stacked on top of each other

On medium screens (and larger):

This row renders two half width columns stacked left to right

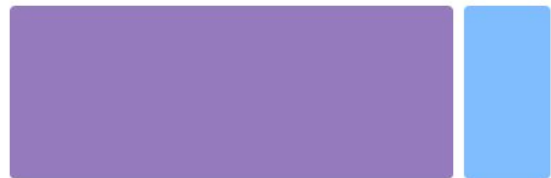
-->

```
<div class="row">  
  <div class="col-12 col-md-6">  
    Content  
  </div>  
  <div class="col-12 col-md-6">  
    Content  
  </div>  
</div>
```



.container and .container-fluid

- The container class will wrap your rows and apply a max-width based on screen size
- Container-fluid wraps your application and keeps it 100% width



```
<div class="container">  
  <!-- Content here -->  
</div>
```

Copy



```
<div class="container-fluid">  
  ...  
</div>
```

Copy



Columns

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

ROWS

| | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |



Columns

1 2 3 4 5 6 7 8 9 10 11 12

6 Column Box

6 Column Box

ROWS

Example: to achieve a 2-column layout, you pack
2 6-column boxes into a row

Columns

1 2 3 4 5 6 7 8 9 10 11 12

4-column Box

4-column Box

4-column Box

ROWS



Columns

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

3-column Box

3-column Box

3-column Box

3-column Box

Rows

To do a 4 column layout, you pack 4 3-column boxes.

Bootstrap provides CSS classes that make your websites prettier:

- Alerts
- Buttons
- Cards
- Collapsible Divs
- Dropdowns
- Forms
- Jumbotrons
- Modals
- Navigation Bars
- Popovers
- Pagination
- Tooltips
- Input Groups
- Tables
- List Groups
- And so much more!

Check out <https://getbootstrap.com/docs/4.0/components/> for the full list