

Bootstrap 5 Tutorial

BS5 HOME

BS5 Get Started

BS5 Containers

BS5 Grid Basic

BS5 Typography

BS5 Colors

BS5 Tables

BS5 Images

BS5 Jumbotron

BS5 Alerts

BS5 Buttons

BS5 Button Groups

BS5 Badges

BS5 Progress Bars

BS5 Spinners

BS5 Pagination

BS5 List Groups

BS5 Cards

BS5 Dropdowns

BS5 Collapse

BS5 Navs

BS5 Navbar

BS5 Carousel

BS5 Modal

BS5 Tooltip

BS5 Popover

BS5 Toast

BS5 Scrollspy

BS5 Offcanvas

BS5 Utilities

BS5 Dark Mode

BS5 Flex

Bootstrap 5 Forms

BS5 Forms

BS5 Select Menus

BS5 Checks and Radios

BS5 Range

BS5 Input Groups

BS5 Floating Labels

BS5 Form Validation

Bootstrap 5 Grid

BS5 Grid System

BS5 Stacked/Horizontal

BS5 Grid XSmall

BS5 Grid Small

BS5 Grid Medium

BS5 Grid Large

BS5 Grid XLarge

BS5 Grid XXL

BS5 Grid Examples

Bootstrap 5 Other

BS5 Basic Template

BS5 Editor

BS5 Exercises

BS5 Quiz

BS5 Certificate

Bootstrap 5 Flex

[< Previous](#)[Next >](#)

Flexbox

The biggest difference between Bootstrap 3 and Bootstrap 4 & 5 is that Bootstrap 5 now uses flexbox, instead of floats, to handle the layout.

The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning. If you are new to flex, you can read about it in our [CSS Flexbox Tutorial](#).

Note: Flexbox is not supported in IE9 and earlier versions.

If you require **IE8-9 support**, use **Bootstrap 3**. It is the most stable version of Bootstrap, and it is still supported by the team for critical bugfixes and documentation changes. However, no new features will be added to it.

To create a flexbox container and to transform direct children into flex items, use the **d-flex** class:

Example



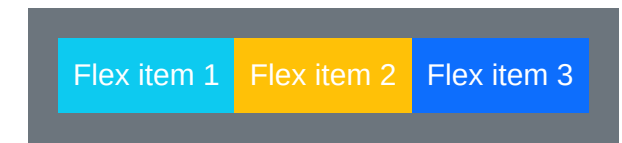
Example

```
<div class="d-flex p-3 bg-secondary text-white">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

[Try it Yourself »](#)

To create an inline flexbox container, use the **d-inline-flex** class:

Example



Example

```
<div class="d-inline-flex p-3 bg-secondary text-white">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

[Try it Yourself »](#)

Horizontal Direction

Use **.flex-row** to display the flex items horizontally (side by side). This is default.

Tip: Use **.flex-row-reverse** to right-align the horizontal direction:

Example



Example

```
<div class="d-flex flex-row bg-secondary">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>

<div class="d-flex flex-row-reverse bg-secondary">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

[Try it Yourself »](#)

Vertical Direction

Use **.flex-column** to display the flex items vertically (on top of each other), or **.flex-column-reverse** to reverse the vertical direction:

Example



Example

```
<div class="d-flex flex-column">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>

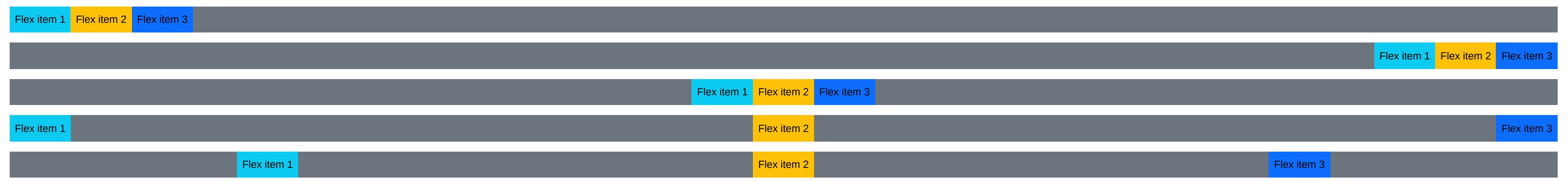
<div class="d-flex flex-column-reverse">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

[Try it Yourself »](#)

Justify Content

Use the **.justify-content-*** classes to change the alignment of flex items. Valid classes are **start** (default), **end**, **center**, **between** or **around**:

Example



Example

```
<div class="d-flex justify-content-start">...</div>
<div class="d-flex justify-content-end">...</div>
<div class="d-flex justify-content-center">...</div>
<div class="d-flex justify-content-between">...</div>
<div class="d-flex justify-content-around">...</div>
```

[Try it Yourself »](#)

Fill / Equal Widths

Use **.flex-fill** on flex items to force them into equal widths:

Example



Example

```
<div class="d-flex">
  <div class="p-2 bg-info flex-fill">Flex item 1</div>
```

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- Bootstrap 5 Home
- Bootstrap 5 Get Started
- Bootstrap 5 Containers
- Bootstrap 5 Grid Basic
- Bootstrap 5 Typography
- Bootstrap 5 Colors
- Bootstrap 5 Images
- Bootstrap 5 Jumbotron
- Bootstrap 5 Alerts
- Bootstrap 5 Buttons
- Bootstrap 5 Button Groups
- Bootstrap 5 Badges
- Bootstrap 5 Progress Bars
- Bootstrap 5 Spinners
- Bootstrap 5 Pagination
- Bootstrap 5 List Groups
- Bootstrap 5 Cards
- Bootstrap 5 Dropdowns
- Bootstrap 5 Collapse
- Bootstrap 5 Navs
- Bootstrap 5 Navbar
- Bootstrap 5 Carousel
- Bootstrap 5 Modal
- Bootstrap 5 Tooltip
- Bootstrap 5 Popover
- Bootstrap 5 Toast
- Bootstrap 5 Scrollspy
- Bootstrap 5 Offcanvas
- Bootstrap 5 Utilities
- Bootstrap 5 Dark Mode
- Bootstrap 5 Flex

Bootstrap 5 Forms

- Bootstrap 5 Forms
- Bootstrap 5 Select Menus
- Bootstrap 5 Checks and Radios
- Bootstrap 5 Range
- Bootstrap 5 Input Groups
- Bootstrap 5 Floating Labels
- Bootstrap 5 Form Validation

Bootstrap 5 Grid

- Bootstrap 5 Grid System
- Bootstrap 5 Stacked/Horizontal
- Bootstrap 5 Grid XSsmall
- Bootstrap 5 Grid Small
- Bootstrap 5 Grid Medium
- Bootstrap 5 Grid Large
- Bootstrap 5 Grid XLarge
- Bootstrap 5 Grid XXL
- Bootstrap 5 Grid Examples

- BS5 Basic Template
- BS5 Editor
- BS5 Exercises
- BS5 Quiz
- BS5 Certificate

Example

```
<div class="flex">  
  <div>  
    <div>  
      <div>  
    </div>  
  </div>  
</div>
```

Try it Yourself

Wrap

Control how flex items wrap.

Click on the button below to toggle flex-wrap.

flex-wrap

Example

Flex item

Flex item

Example

```
<div class="flex">  
  <div>  
    <div>  
      <div>  
    </div>  
  </div>  
</div>
```

Try it Yourself

Control the vertical alignment

Note: These classes have no effect on the text alignment.

Click on the buttons below to see the effect.

align-content-start

align-content-end

align-content-center

align-content-stretch

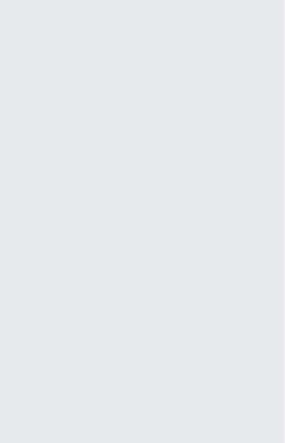
Example

Flex item 1	Flex item 2
Flex item 24	Flex item 3

Example

```
<div class="d-flex">  
  <div class="d-flex">  
    <div class="d-flex">  
      <div class="d-flex">  
        <div class="d-flex">  
          <div class="d-flex">
```

Try it Yourself »



Control the vertical alignment

Click on the buttons below

align-items-start

Example

Flex item 1

Flex item 2

Example

```
<div class="d-flex">
  <div class="d-flex">
```

Use `.flex-grow-1` on a flex item to take up the rest of the space. In the example below, the first two flex items take up their necessary space, while the last item takes up the rest of the available space:

Example

Flex item 1

Flex item 2

Flex item 3

Example

```
<div class="d-flex">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary flex-grow-1">Flex item 3</div>
</div>
```

Try it Yourself »

Tip: Use `.flex-shrink-1` on a flex item to make it shrink if necessary.

Change the visual order of a specific flex item(s) with the `.order` classes. Valid classes are from 0 to 5, where the lowest number has highest priority (order-1 is shown before order-2, etc.).

Example

Flex item 3

Flex item 2

Flex item 1

Example

```
<div class="d-flex bg-secondary">
  <div class="p-2 bg-info order-3">Flex item 1</div>
  <div class="p-2 bg-warning order-2">Flex item 2</div>
  <div class="p-2 bg-primary order-1">Flex item 3</div>
</div>
```

Try it Yourself »

Easily add auto margins to flex items with `.ms-auto` (push items to the right), or by using `.me-auto` (push items to the left):

Flex item 1

Flex item 2

Flex item 3

Flex item 1

Flex item 2

Flex item 3

Example

```
<div class="d-flex bg-secondary">
  <div class="p-2 ms-auto bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>

<div class="d-flex bg-secondary">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 me-auto bg-primary">Flex item 3</div>
</div>
```

Try it Yourself »

Control how flex items wrap in a flex container with `.flex-nowrap` (default), `.flex-wrap` or `.flex-wrap-reverse`.

Click on the buttons below to see the difference between the three classes, by changing the wrapping of the flex items in the example box:

flex-wrap

flex-wrap-reverse

flex-nowrap

Example

Flex item 1	Flex item 2	Flex item 3	Flex item 4	Flex item 5	Flex item 6	Flex item 7	Flex item 8	Flex item 9	Flex item 10	Flex item 11	Flex item 12	Flex item 13	Flex item 14	Flex item 15	Flex item 16	Flex item 17	Flex item 18	Flex item 19	Flex item 20	Flex item 21	Flex item 22	Flex item 23
Flex item 24	Flex item 25																					

Control the vertical alignment of **gathered** flex items with the `.align-content-*` classes. Valid classes are `.align-content-start` (default), `.align-content-end`, `.align-content-center`, `.align-content-between`, `.align-content-around` and `.align-content-stretch`.

Note: These classes have no effect on single rows of flex items.

Click on the buttons below to see the difference between the five classes, by changing the vertical alignment of the flex items in the example box:

align-content-start

align-content-end

align-content-center

align-content-around

align-content-stretch

Example

Flex item 1

Flex item 2

Flex item 3

Flex item 4

Flex item 5

Flex item 6

Flex item 7

Flex item 8

Flex item 9

Flex item 10

Flex item 11

Flex item 12

Flex item 13

Flex item 14

Flex item 15

Flex item 16

Flex item 17

Flex item 18

Flex item 19

Flex item 20

Flex item 21

Flex item 22

Flex item 23

Flex item 24

Flex item 25

```
<div class="d-flex flex-wrap align-content-start">.</div>
<div class="d-flex flex-wrap align-content-end">.</div>
<div class="d-flex flex-wrap align-content-center">.</div>
<div class="d-flex flex-wrap align-content-around">.</div>
<div class="d-flex flex-wrap align-content-stretch">.</div>
```

[Try it Yourself »](#)

Control the vertical alignment of **single rows** of flex items with the `.align-items-*` classes. Valid classes are `.align-items-start`, `.align-items-end`, `.align-items-center`, `.align-items-baseline`, and `.align-items-stretch` (default).

Click on the buttons below to see the difference between the five classes:

align-items-start

align-items-end

align-items-center

align-items-baseline

align-items-stretch

Example

Flex item 1

Flex item 2

Flex item 3

Bootstrap 5 Tutorial

- BSS HOME
- BSS Get Started
- BSS Containers
- BSS Grid Basic
- BSS Typography
- BSS Colors
- BSS Tables
- BSS Images
- BSS Jumbotron
- BSS Alerts
- BSS Buttons
- BSS Button Groups
- BSS Badges
- BSS Progress Bars
- BSS Spinners
- BSS Pagination
- BSS List Groups
- BSS Cards
- BSS Dropdowns
- BSS Collapse
- BSS Navs
- BSS Navbar
- BSS Carousel
- BSS Modal
- BSS Tooltip
- BSS Popover
- BSS Toast
- BSS Scrollspy
- BSS Offcanvas
- BSS Utilities
- BSS Dark Mode
- BSS Flex

Bootstrap 5 Forms

- BSS Forms
- BSS Select Menus
- BSS Checks and Radios
- BSS Range
- BSS Input Groups
- BSS Floating Labels
- BSS Form Validation

Bootstrap 5 Grid

- BSS Grid System
- BSS Stacked/Horizontal
- BSS Grid XSmall
- BSS Grid Small
- BSS Grid Medium
- BSS Grid Large
- BSS Grid XXL
- BSS Grid Examples

Bootstrap 5 Other

- BSS Basic Template
- BSS Editor
- BSS Exercises
- BSS Quiz
- BSS Certificate

Align Self

Control the vertical alignment of a **specified flex item** with the `.align-self-*` classes. Valid classes are `.align-self-start`, `.align-self-end`, `.align-self-center`, `.align-self-baseline`, and `.align-self-stretch` (default).

Click on the buttons below to see the difference between the five classes:

- align-self-start
- align-self-end
- align-self-center
- align-self-baseline
- align-self-stretch

Example

Flex item 1	Flex item 2	Flex item 3

Example

```
<div class="d-flex bg-light" style="height:150px">
  <div class="p-2 border">Flex item 1</div>
  <div class="p-2 border align-self-start">Flex item 2</div>
  <div class="p-2 border">Flex item 3</div>
</div>
```

Responsive Flex Classes

All flex classes comes with additional responsive classes, which makes it easy to set a specific flex class on a specific screen size.

The `*` symbol can be replaced with sm, md, lg, xl or xxl, which represents small, medium, large, xlarge and xxlarge screens.

Search for a specific flex class...

Class	Description	Example
Flex Container		
<code>.d-**-flex</code>	Creates a flexbox container for different screens	Try it
<code>.d-**-inline-flex</code>	Creates an inline flexbox container for different screens	Try it
Direction		
<code>.flex-**-row</code>	Display flex items horizontally on different screens	Try it
<code>.flex-**-row-reverse</code>	Display flex items horizontally, and right-aligned, on different screens	Try it
<code>.flex-**-column</code>	Display flex items vertically on different screens	Try it
<code>.flex-**-column-reverse</code>	Display flex items vertically, with reversed order, on different screens screens	Try it
Justified Content		
<code>.justify-content-**-start</code>	Display flex items from the start (left-aligned) on different screens	Try it
<code>.justify-content-**-end</code>	Display flex items at the end (right-aligned) on different screens	Try it
<code>.justify-content-**-center</code>	Display flex items in the center of a flex container on different screens	Try it
<code>.justify-content-**-between</code>	Display flex items in "between" on different screens	Try it
<code>.justify-content-**-around</code>	Display flex items "around" on different screens	Try it
Fill / Equal Width		
<code>.flex-**-fill</code>	Force flex items into equal widths on different screens	Try it
Grow		
<code>.flex-**-grow-0</code>	Don't make the items grow on different screens	
<code>.flex-**-grow-1</code>	Make items grow on different screens	
Shrink		
<code>.flex-**-shrink-0</code>	Don't make the items shrink on diferent screens	
<code>.flex-**-shrink-1</code>	Make items shrink on different screens	
Order		
<code>.order-**-0-12</code>	Change the order from 0 to 5 on small screens	Try it
Wrap		
<code>.flex-**-nowrap</code>	Don't wrap items on different screens	Try it
<code>.flex-**-wrap</code>	Wrap items on different screens	Try it
<code>.flex-**-wrap-reverse</code>	Reverse the wrapping of items on different screens	Try it
Align Content		
<code>.align-content-**-start</code>	Align gathered items from the start on different screens	Try it
<code>.align-content-**-end</code>	Align gathered items at the end on different screens	Try it
<code>.align-content-**-center</code>	Align gathered items in the center on different screens	Try it
<code>.align-content-**-around</code>	Align gathered items "around" on different screens	Try it
<code>.align-content-**-stretch</code>	Stretch gathered items on different screens	Try it
Align Items		
<code>.align-items-**-start</code>	Align single rows of items from the start on different screens	Try it
<code>.align-items-**-end</code>	Align single rows of items at the end on different screens	Try it
<code>.align-items-**-center</code>	Align single rows of items in the center on different screens	Try it
<code>.align-items-**-baseline</code>	Align single rows of items on the baseline on different screens	Try it
<code>.align-items-**-stretch</code>	Stretch single rows of items on different screens	Try it
Align Self		
<code>.align-self-**-start</code>	Align a flex item from the start on different screens	Try it
<code>.align-self-**-end</code>	Align a flex item at the end on different screens	Try it
<code>.align-self-**-center</code>	Align a flex item in the center on different screens	Try it
<code>.align-self-**-baseline</code>	Align a flex item on the baseline on different screens	Try it
<code>.align-self-**-stretch</code>	Stretch a flex item on different screens	Try it

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