BS4 Button Groups
BS4 Badges
BS4 Progress Bars
BS4 Spinners
BS4 Pagination
BS4 List Groups
BS4 Cards
BS4 Dropdowns
BS4 Collapse
BS4 Navs
BS4 Navbar
BS4 Forms
BS4 Inputs
BS4 Input Groups
BS4 Custom Forms
BS4 Carousel
BS4 Modal

BS4 Tooltip
BS4 Popover
BS4 Toast
BS4 Scrollspy
BS4 Utilities
BS4 Flex
BS4 Icons
BS4 Media Objects
BS4 Filters

Bootstrap 4 Grid

BS4 Grid System
BS4 Stacked/Horizontal
BS4 Grid XSmall

Bootstrap 4 Flex

❮ Previous Next ❯

Bootstrap 4 Flex

Use flex classes to control the layout of Bootstrap 4 components.

Flexbox

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

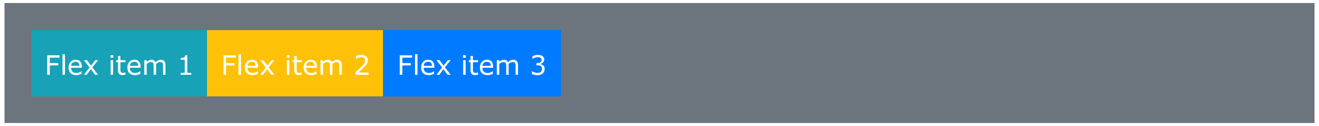
The Flexible Box Layout Module, makes it easier to design flexible responsive layout structure without using float or positioning. If you are new to flex, you can read about it in our CSS Flexbox Tutorial.

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



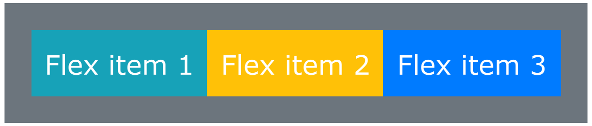
Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex p-3 bg-secondary text-white"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

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

Example



Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-inline-flex p-3 bg-secondary text-white"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

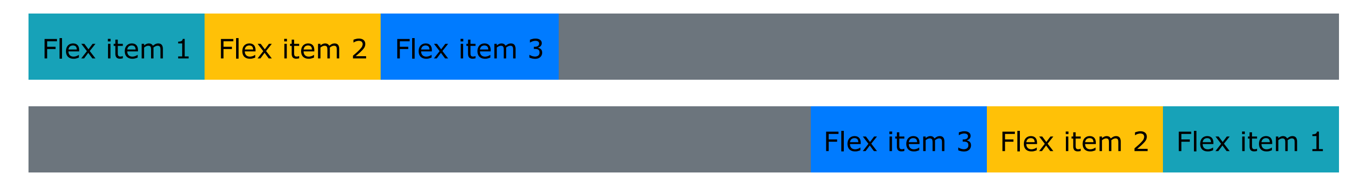
Try it Yourself »

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="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-row bg-secondary"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-row-reverse bg-secondary"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
```

```
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

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

Flex item 1

Flex item 2

Flex item 3

Flex item 3

Flex item 2

Flex item 1

Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-column"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
```

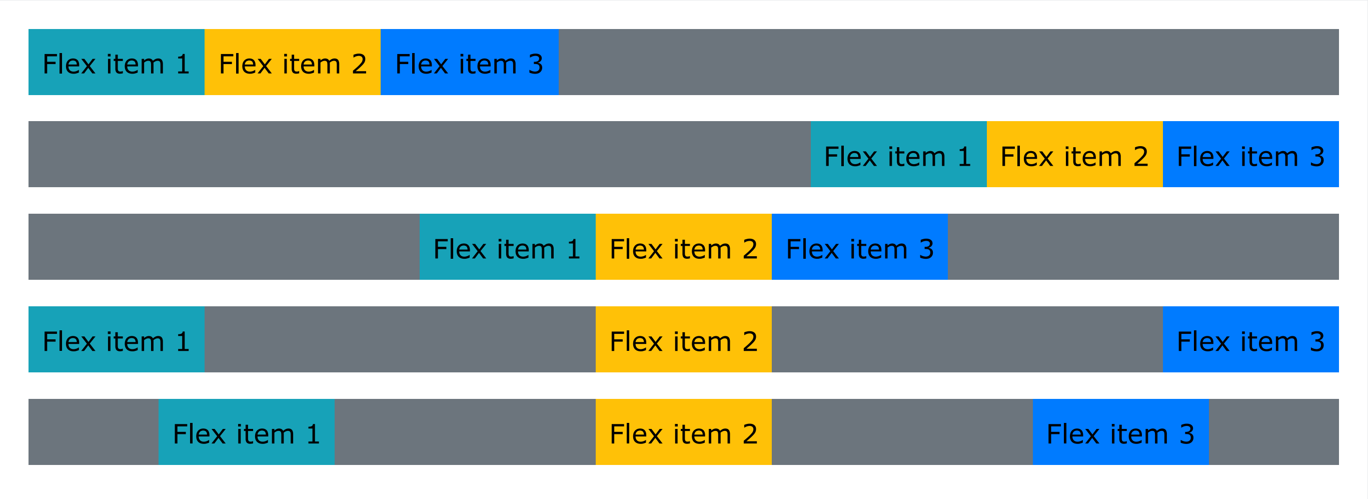
```
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-column-reverse"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

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="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex justify-content-start"="tagcolor"
style="color:mediumblue">>...</div class="tagcolor" style="color:mediumblue">>
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex justify-content-end"="tagcolor"
style="color:mediumblue">>...</div class="tagcolor" style="color:mediumblue">>
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex justify-content-center"="tagcolor"
style="color:mediumblue">>...</div class="tagcolor" style="color:mediumblue">>
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex justify-content-between"="tagcolor"
style="color:mediumblue">>...</div class="tagcolor" style="color:mediumblue">>
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex justify-content-around"="tagcolor"
style="color:mediumblue">>...</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Fill / Equal Widths

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

Example

Flex item 1	Flex item 2	Flex item 3

Example

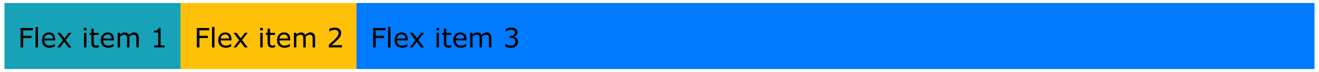
```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex"="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info flex-fill"="tagcolor"
style="color:mediumblue">>Flex item 1</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning flex-fill"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary flex-fill"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Grow

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



Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex"="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary flex-grow-1"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

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

Order

Change the visual order of a specific flex item(s) with the `.order` classes. Valid classes are from 0 to 12, 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

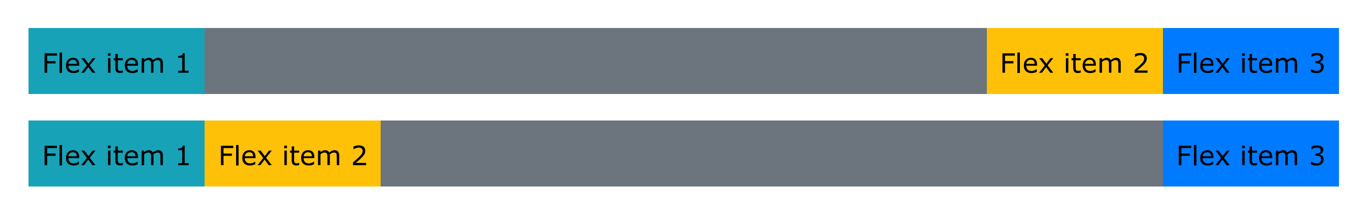
```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex bg-secondary"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info order-3"="tagcolor"
style="color:mediumblue">>Flex item 1</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning order-2"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary order-1"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Auto Margins

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

Example



Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex bg-secondary"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 mr-auto bg-info"="tagcolor"
style="color:mediumblue">>Flex item 1</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex bg-secondary"="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-info"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 bg-warning"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 ml-auto bg-primary"="tagcolor"
style="color:mediumblue">>Flex item 3</div class="tagcolor"
style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Wrap

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	

Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap-reverse"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-nowrap"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

Align Content

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

Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap align-content-start"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap align-content-end"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap align-content-center"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap align-content-around"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex flex-wrap align-content-stretch"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

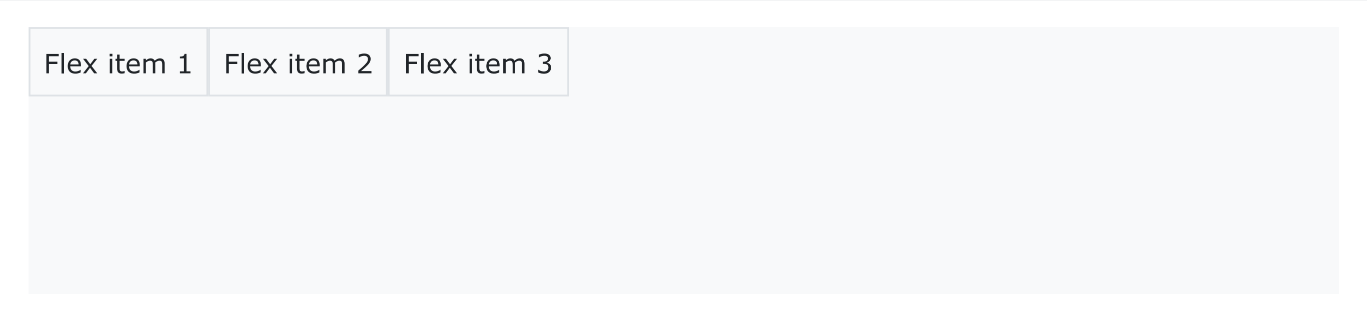
Align Items

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



Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex align-items-start"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex align-items-end"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex align-items-center"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex align-items-baseline"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>

<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex align-items-stretch"="tagcolor"
style="color:mediumblue">>..</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

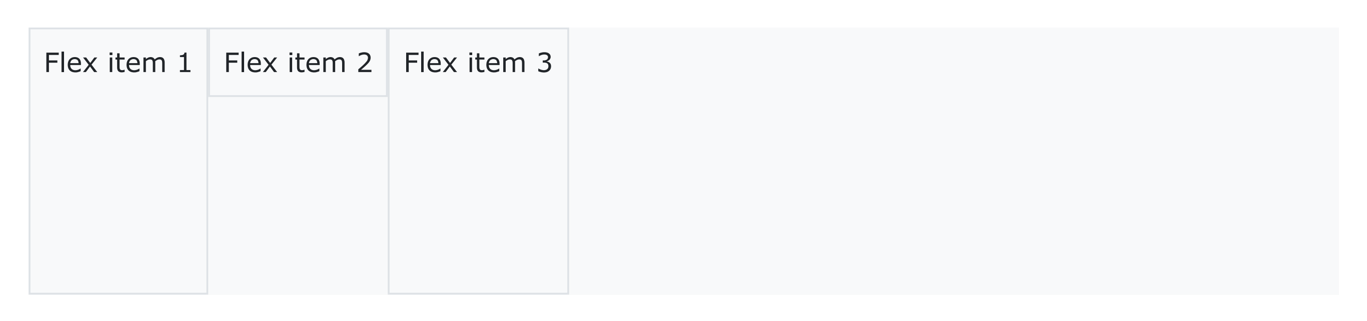
Align Self

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



Example

```
<div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="d-flex bg-light" style="attributevaluecolor"
style="color:mediumblue">="height:150px"="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 border"="tagcolor" style="color:mediumblue">>Flex
item 1</div class="tagcolor" style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
```

```
style="color:mediumblue">="p-2 border align-self-start"="tagcolor"
style="color:mediumblue">>Flex item 2</div class="tagcolor"
style="color:mediumblue">>
  <div class="attributecolor" style="color:red"> class="attributevaluecolor"
style="color:mediumblue">="p-2 border"="tagcolor" style="color:mediumblue">>Flex
item 3</div class="tagcolor" style="color:mediumblue">>
</div class="tagcolor" style="color:mediumblue">>
```

Try it Yourself »

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 or xl, which represents small, medium, large or xlarge screens.

Search for a specific flex class..

Class	Description	Example
Flex Container		
`.d-*-flex`	Creates a flexbox container for different screens	Try it
`.d-*-inline-flex`	Creates an inline flexbox container for different screens	Try it
Direction		
`.flex-*-row`	Display flex items horizontally on different screens	Try it
`.flex-*-row-reverse`	Display flex items horizontally, and right-aligned, on	Try it

	different screens	
`.flex-*-column`	Display flex items vertically on different screens	Try it
`.flex-*-column-reverse`	Display flex items vertically, with reversed order, on different screens screens	Try it
Justified Content		
`.justify-content-*-start`	Display flex items from the start (left-aligned) on different screens	Try it
`.justify-content-*-end`	Display flex items at the end (right-aligned) on different screens	Try it
`.justify-content-*-center`	Display flex items in the center of a flex container on different screens	Try it
`.justify-content-*-between`	Display flex items in "between" on different screens	Try it
`.justify-content-*-around`	Display flex items "around" on different screens	Try it
Fill / Equal Width		
`.flex-*-fill`	Force flex items into equal widths on different screens	Try it
Grow		
`.flex-*-grow-0`	Don't make the items grow on different screens	
`.flex-*-grow-1`	Make items grow on different screens	
Shrink		
`.flex-*-shrink-0`	Don't make the items shrink on diferent screens	
`.flex-*-shrink-1`	Make items shrink on different screens	

Order		
`.order-*-0-12`	Change the order from 0 to 12 on small screens	Try it
Wrap		
`.flex-*-nowrap`	Don't wrap items on different screens	Try it
`.flex-*-wrap`	Wrap items on different screens	Try it
`.flex-*-wrap-reverse`	Reverse the wrapping of items on different screens	Try it
Align Content		
`.align-content-*-start`	Align gathered items from the start on different screens	Try it
`.align-content-*-end`	Align gathered items at the end on different screens	Try it
`.align-content-*-center`	Align gathered items in the center on different screens	Try it
`.align-content-*-around`	Align gathered items "around" on different screens	Try it
`.align-content-*-stretch`	Stretch gathered items on different screens	Try it
Align Items		
`.align-items-*-start`	Align single rows of items from the start on different screens	Try it
`.align-items-*-end`	Align single rows of items at the end on different screens	Try it
`.align-items-*-center`	Align single rows of items in the center on different screens	Try it
`.align-items-*-baseline`	Align single rows of items on the baseline on different screens	Try it

`.align-items-*-stretch`	Stretch single rows of items on different screens	Try it
Align Self		
`.align-self-*-start`	Align a flex item from the start on different screens	Try it
`.align-self-*-end`	Align a flex item at the end on different screens	Try it
`.align-self-*-center`	Align a flex item in the center on different screens	Try it
`.align-self-*-baseline`	Align a flex item on the baseline on different screens	Try it
`.align-self-*-stretch`	Stretch a flex item on different screens	Try it

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