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# Flex

Quickly manage the layout, alignment, and sizing of grid columns, navigation, components, and more with a full suite of responsive flexbox utilities. For more complex implementations, custom CSS may be necessary.

## Enable flex behaviors <#>

Apply **display** utilities to create a flexbox container and transform **direct children elements** into flex items. Flex containers and items are able to be modified further with additional flex properties.

I'm a flexbox container!

```
<div class="d-flex p-2">I'm a flexbox container!</div>
```

Copy

I'm an inline flexbox container!

```
<div class="d-inline-flex p-2">I'm an inline flexbox container!</div>
```

Copy

Responsive variations also exist for **.d-flex** and **.d-inline-flex**.

- **.d-flex**
- **.d-inline-flex**
- **.d-sm-flex**
- **.d-sm-inline-flex**
- **.d-md-flex**
- **.d-md-inline-flex**
- **.d-lg-flex**
- **.d-lg-inline-flex**
- **.d-xl-flex**
- **.d-xl-inline-flex**

## Direction

Set the direction of flex items in a flex container with direction utilities. In most cases you can omit the horizontal class here as the browser default is **row**. However, you may encounter situations where you needed to explicitly set this value (like responsive layouts).

Use **.flex-row** to set a horizontal direction (the browser default), or **.flex-row-reverse** to start the horizontal direction from the opposite side.

Flex item 1Flex item 2Flex item 3

Flex item 3Flex item 2Flex item 1

Copy

```
<div class="d-flex flex-row">
  <div class="p-2">Flex item 1</div>
  <div class="p-2">Flex item 2</div>
  <div class="p-2">Flex item 3</div>
</div>
<div class="d-flex flex-row-reverse">
  <div class="p-2">Flex item 1</div>
  <div class="p-2">Flex item 2</div>
  <div class="p-2">Flex item 3</div>
</div>
```

Use `.flex-column` to set a vertical direction, or `.flex-column-reverse` to start the vertical direction from the opposite side.

Flex item 1

Flex item 2

Flex item 3

Flex item 3

Flex item 2

Flex item 1

Copy

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

Responsive variations also exist for `flex-direction`.

- `.flex-row`
- `.flex-row-reverse`
- `.flex-column`
- `.flex-column-reverse`
- `.flex-sm-row`
- `.flex-sm-row-reverse`
- `.flex-sm-column`
- `.flex-sm-column-reverse`
- `.flex-md-row`
- `.flex-md-row-reverse`
- `.flex-md-column`
- `.flex-md-column-reverse`
- `.flex-lg-row`
- `.flex-lg-row-reverse`
- `.flex-lg-column`
- `.flex-lg-column-reverse`
- `.flex-xl-row`
- `.flex-xl-row-reverse`

- `.flex-xl-column`
- `.flex-xl-column-reverse`

## Justify content

Use `justify-content` utilities on flexbox containers to change the alignment of flex items on the main axis (the x-axis to start, y-axis if `flex-direction: column`). Choose from `start` (browser default), `end`, `center`, `between`, or `around`.

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

```
<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>
```

Copy

Responsive variations also exist for `justify-content`.

- `.justify-content-start`
- `.justify-content-end`
- `.justify-content-center`
- `.justify-content-between`
- `.justify-content-around`
- `.justify-content-sm-start`
- `.justify-content-sm-end`
- `.justify-content-sm-center`
- `.justify-content-sm-between`
- `.justify-content-sm-around`
- `.justify-content-md-start`
- `.justify-content-md-end`
- `.justify-content-md-center`
- `.justify-content-md-between`
- `.justify-content-md-around`
- `.justify-content-lg-start`
- `.justify-content-lg-end`
- `.justify-content-lg-center`
- `.justify-content-lg-between`
- `.justify-content-lg-around`
- `.justify-content-xl-start`
- `.justify-content-xl-end`
- `.justify-content-xl-center`
- `.justify-content-xl-between`
- `.justify-content-xl-around`

# Align items

Use `align-items` utilities on flexbox containers to change the alignment of flex items on the cross axis (the y-axis to start, x-axis if `flex-direction: column`). Choose from `start`, `end`, `center`, `baseline`, or `stretch` (browser default).

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

```
<div class="d-flex align-items-start">...</div>
<div class="d-flex align-items-end">...</div>
<div class="d-flex align-items-center">...</div>
<div class="d-flex align-items-baseline">...</div>
<div class="d-flex align-items-stretch">...</div>
```

Copy

Responsive variations also exist for `align-items`.

- `.align-items-start`
- `.align-items-end`
- `.align-items-center`
- `.align-items-baseline`
- `.align-items-stretch`
- `.align-items-sm-start`
- `.align-items-sm-end`
- `.align-items-sm-center`
- `.align-items-sm-baseline`
- `.align-items-sm-stretch`
- `.align-items-md-start`
- `.align-items-md-end`
- `.align-items-md-center`
- `.align-items-md-baseline`
- `.align-items-md-stretch`
- `.align-items-lg-start`
- `.align-items-lg-end`
- `.align-items-lg-center`
- `.align-items-lg-baseline`

- `.align-items-lg-stretch`
- `.align-items-xl-start`
- `.align-items-xl-end`
- `.align-items-xl-center`
- `.align-items-xl-baseline`
- `.align-items-xl-stretch`

## Align self

Use `align-self` utilities on flexbox items to individually change their alignment on the cross axis (the y-axis to start, x-axis if `flex-direction: column`). Choose from the same options as `align-items`: `start`, `end`, `center`, `baseline`, or `stretch` (browser default).

Flex item	Aligned flex item	Flex item	

Flex item		Flex item	
	Aligned flex item		

Flex item		Flex item	
	Aligned flex item		

Flex item	Aligned flex item	Flex item	

Flex item	Aligned flex item	Flex item	

```
<div class="align-self-start">Aligned flex item</div>
<div class="align-self-end">Aligned flex item</div>
<div class="align-self-center">Aligned flex item</div>
<div class="align-self-baseline">Aligned flex item</div>
<div class="align-self-stretch">Aligned flex item</div>
```

Copy

Responsive variations also exist for `align-self`.

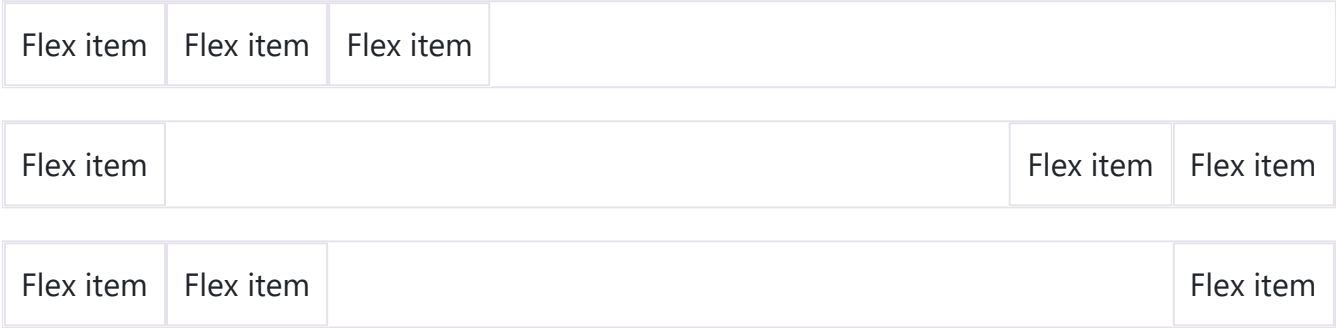
- `.align-self-start`
- `.align-self-end`
- `.align-self-center`
- `.align-self-baseline`
- `.align-self-stretch`
- `.align-self-sm-start`
- `.align-self-sm-end`
- `.align-self-sm-center`
- `.align-self-sm-baseline`
- `.align-self-sm-stretch`
- `.align-self-md-start`
- `.align-self-md-end`

- `.align-self-md-center`
- `.align-self-md-baseline`
- `.align-self-md-stretch`
- `.align-self-lg-start`
- `.align-self-lg-end`
- `.align-self-lg-center`
- `.align-self-lg-baseline`
- `.align-self-lg-stretch`
- `.align-self-xl-start`
- `.align-self-xl-end`
- `.align-self-xl-center`
- `.align-self-xl-baseline`
- `.align-self-xl-stretch`

## Auto margins

Flexbox can do some pretty awesome things when you mix flex alignments with auto margins. Shown below are three examples of controlling flex items via auto margins: default (no auto margin), pushing two items to the right (`.mr-auto`), and pushing two items to the left (`.ml-auto`).

Unfortunately, IE10 and IE11 do not properly support auto margins on flex items whose parent has a non-default `justify-content` value. [See this StackOverflow answer](#) for more details.



Copy

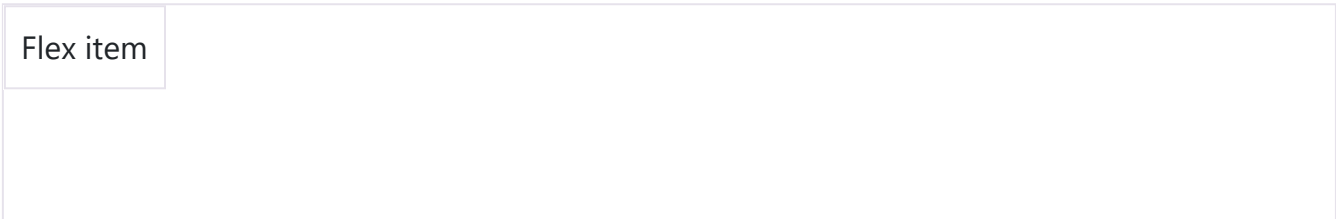
```
<div class="d-flex">
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
</div>

<div class="d-flex">
  <div class="mr-auto p-2">Flex item</div>
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
</div>

<div class="d-flex">
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
  <div class="ml-auto p-2">Flex item</div>
</div>
```

## With align-items

Vertically move one flex item to the top or bottom of a container by mixing `align-items`, `flex-direction: column`, and `margin-top: auto` or `margin-bottom: auto`.



Flex item

Flex item

Flex item

Flex item

Flex item

```
<div class="d-flex align-items-start flex-column" style="height: 200px;">
  <div class="mb-auto p-2">Flex item</div>
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
</div>

<div class="d-flex align-items-end flex-column" style="height: 200px;">
  <div class="p-2">Flex item</div>
  <div class="p-2">Flex item</div>
  <div class="mt-auto p-2">Flex item</div>
</div>
```

Copy

# Wrap

Change how flex items wrap in a flex container. Choose from no wrapping at all (the browser default) with `.flex-nowrap`, wrapping with `.flex-wrap`, or reverse wrapping with `.flex-wrap-reverse`.

Flex item

Flex item

Flex item

Flex item

Flex item

```
<div class="d-flex flex-nowrap">
  ...
</div>
```

Copy

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

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Flex item

Flex item

Flex item

```
<div class="d-flex flex-wrap">
  ...
</div>
```

Copy

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Flex item

Copy

```
<div class="d-flex flex-wrap-reverse">
  ...
</div>
```

Responsive variations also exist for `flex-wrap`.

- `.flex-nowrap`
- `.flex-wrap`
- `.flex-wrap-reverse`
- `.flex-sm-nowrap`
- `.flex-sm-wrap`
- `.flex-sm-wrap-reverse`
- `.flex-md-nowrap`
- `.flex-md-wrap`
- `.flex-md-wrap-reverse`
- `.flex-lg-nowrap`
- `.flex-lg-wrap`
- `.flex-lg-wrap-reverse`
- `.flex-xl-nowrap`
- `.flex-xl-wrap`
- `.flex-xl-wrap-reverse`

## Order

Change the *visual* order of specific flex items with a handful of `order` utilities. We only provide options for making an item first or last, as well as a reset to use the DOM order. As `order` takes any integer value (e.g., `5`), add custom CSS for any additional values needed.

Third flex item

Second flex item

First flex item

```
<div class="d-flex flex-nowrap">
  <div class="order-3 p-2">First flex item</div>
  <div class="order-2 p-2">Second flex item</div>
  <div class="order-1 p-2">Third flex item</div>
</div>
```

Copy

Responsive variations also exist for `order`.

- `.order-0`
- `.order-1`
- `.order-2`
- `.order-3`
- `.order-4`
- `.order-5`
- `.order-6`
- `.order-7`
- `.order-8`
- `.order-9`
- `.order-10`
- `.order-11`
- `.order-12`
- `.order-sm-0`
- `.order-sm-1`



- `.order-sm-2`
- `.order-sm-3`
- `.order-sm-4`
- `.order-sm-5`
- `.order-sm-6`
- `.order-sm-7`
- `.order-sm-8`
- `.order-sm-9`
- `.order-sm-10`
- `.order-sm-11`
- `.order-sm-12`
- `.order-md-0`
- `.order-md-1`
- `.order-md-2`
- `.order-md-3`
- `.order-md-4`
- `.order-md-5`
- `.order-md-6`
- `.order-md-7`
- `.order-md-8`
- `.order-md-9`
- `.order-md-10`
- `.order-md-11`
- `.order-md-12`
- `.order-lg-0`
- `.order-lg-1`
- `.order-lg-2`
- `.order-lg-3`
- `.order-lg-4`
- `.order-lg-5`
- `.order-lg-6`
- `.order-lg-7`
- `.order-lg-8`
- `.order-lg-9`
- `.order-lg-10`
- `.order-lg-11`
- `.order-lg-12`
- `.order-xl-0`
- `.order-xl-1`
- `.order-xl-2`
- `.order-xl-3`
- `.order-xl-4`
- `.order-xl-5`
- `.order-xl-6`
- `.order-xl-7`
- `.order-xl-8`
- `.order-xl-9`
- `.order-xl-10`
- `.order-xl-11`
- `.order-xl-12`

# Align content

Use `align-content` utilities on flexbox containers to align flex items *together* on the cross axis. Choose from `start` (browser default), `end`, `center`, `between`, `around`, or `stretch`. To demonstrate these utilities, we’ve enforced `flex-wrap: wrap` and increased the number of flex items.

**Heads up!** This property has no effect on single rows of flex items.

Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	

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

Copy

Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	

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

Copy

Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	

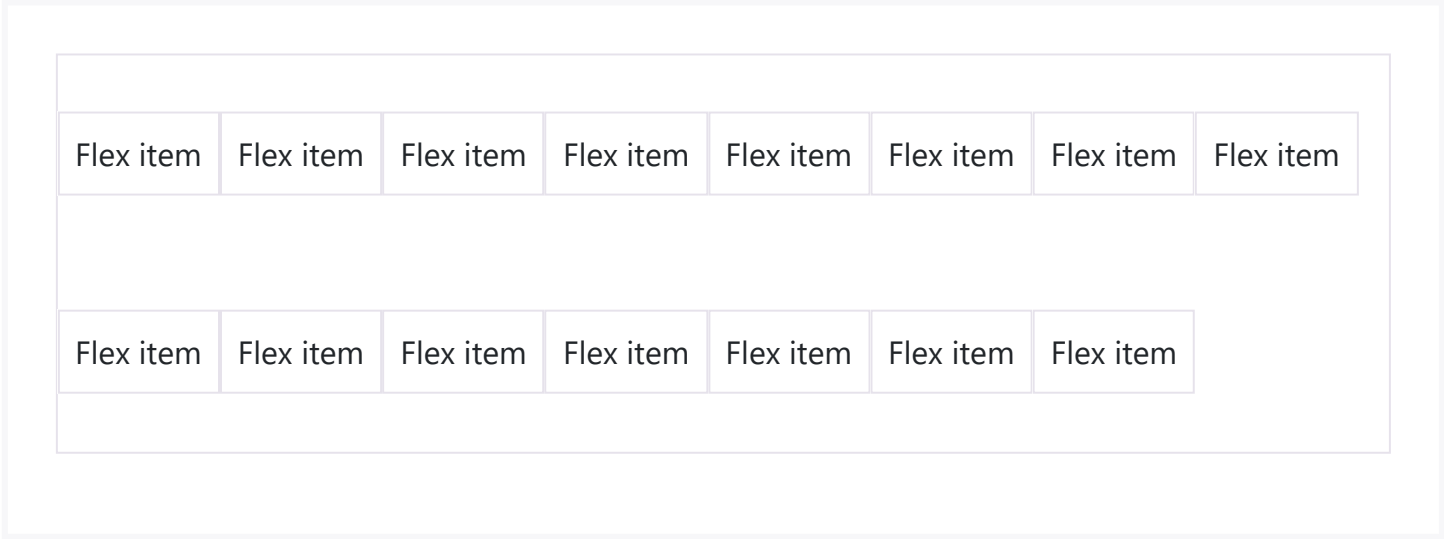
```
<div class="d-flex align-content-center flex-wrap">...</div>
```

Copy

Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item
Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	Flex item	

```
<div class="d-flex align-content-between flex-wrap">...</div>
```

Copy



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

Copy



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

Copy

Responsive variations also exist for align-content.

- .align-content-start
- .align-content-end
- .align-content-center
- .align-content-around
- .align-content-stretch
- .align-content-sm-start
- .align-content-sm-end
- .align-content-sm-center
- .align-content-sm-around
- .align-content-sm-stretch
- .align-content-md-start
- .align-content-md-end
- .align-content-md-center
- .align-content-md-around
- .align-content-md-stretch
- .align-content-lg-start
- .align-content-lg-end
- .align-content-lg-center
- .align-content-lg-around
- .align-content-lg-stretch
- .align-content-xl-start
- .align-content-xl-end
- .align-content-xl-center
- .align-content-xl-around

- `.align-content-xl-stretch`