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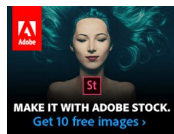
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# Flex

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.



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## 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 bd-highlight">I'm a flexbox container!</div>
```

Copy

I'm an inline flexbox container!

```
<div class="d-inline-flex p-2 bd-highlight">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 1	Flex item 2	Flex item 3	
		Flex item 3	Flex item 2
		Flex item 1	

Copy

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

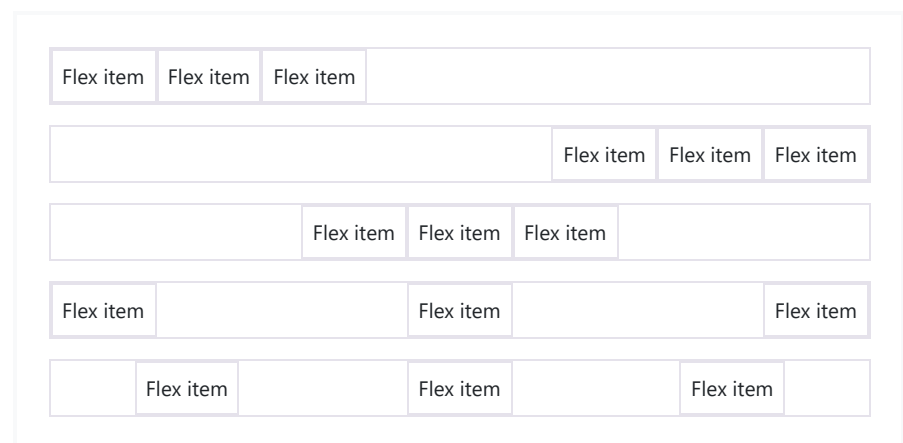
Responsive variations also exist for `flex-direction`.

- `.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`.



Copy

```
<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>
```

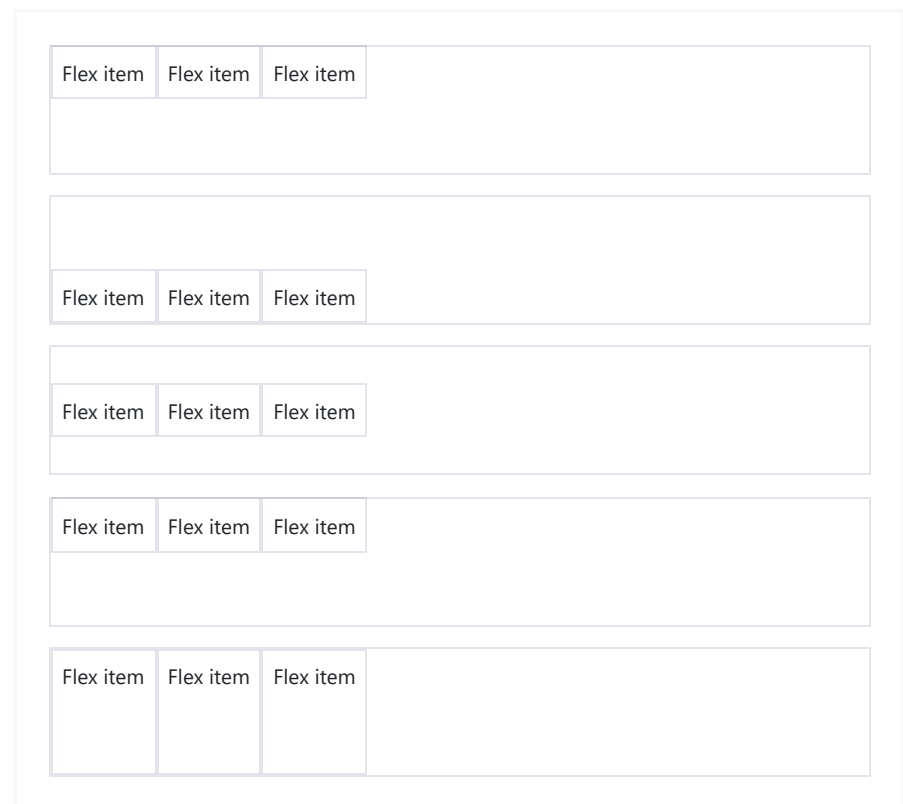
Responsive variations also exist for `justify-content`.

- `.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).



Copy

```
<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>
```

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	

Copy

```
<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>
```

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`

## Fill

Use the `.flex-fill` class on a series of sibling elements to force them into widths equal to their content (or equal widths if their content does not surpass their border-boxes) while taking up all available horizontal space.

Flex item with a lot of content	Flex item	Flex item
---------------------------------	-----------	-----------

Copy

```
<div class="d-flex bd-highlight">
  <div class="p-2 flex-fill bd-highlight">Flex item with a lot of content</div>
  <div class="p-2 flex-fill bd-highlight">Flex item</div>
  <div class="p-2 flex-fill bd-highlight">Flex item</div>
</div>
```

Responsive variations also exist for `flex-fill`.

- `.flex-fill`
- `.flex-sm-fill`
- `.flex-md-fill`
- `.flex-lg-fill`
- `.flex-xl-fill`

## Grow and shrink

Use `.flex-grow-*` utilities to toggle a flex item's ability to grow to fill available space. In the example below, the `.flex-grow-1` elements uses all available space it can, while allowing the remaining two flex items their necessary space.

Flex item	Flex item	Third flex item
-----------	-----------	-----------------

```
<div class="d-flex bd-highlight">
  <div class="p-2 flex-grow-1 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Third flex item</div>
</div>
```

Copy

Use `.flex-shrink-*` utilities to toggle a flex item's ability to shrink if necessary. In the example below, the second flex item with `.flex-shrink-1` is forced to wrap it's contents to a new line, "shrinking" to allow more space for the previous flex item with `.w-100`.

Flex item	Flex item
-----------	-----------

```
<div class="d-flex bd-highlight">
  <div class="p-2 w-100 bd-highlight">Flex item</div>
  <div class="p-2 flex-shrink-1 bd-highlight">Flex item</div>
</div>
```

Copy

Responsive variations also exist for `flex-grow` and `flex-shrink`.

- `.flex-{grow|shrink}-0`
- `.flex-{grow|shrink}-1`
- `.flex-sm-{grow|shrink}-0`
- `.flex-sm-{grow|shrink}-1`
- `.flex-md-{grow|shrink}-0`
- `.flex-md-{grow|shrink}-1`
- `.flex-lg-{grow|shrink}-0`
- `.flex-lg-{grow|shrink}-1`
- `.flex-xl-{grow|shrink}-0`
- `.flex-xl-{grow|shrink}-1`

## 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.

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

Copy

```

<div class="d-flex bd-highlight mb-3">
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
</div>

<div class="d-flex bd-highlight mb-3">
  <div class="mr-auto p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
</div>

<div class="d-flex bd-highlight mb-3">
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="ml-auto p-2 bd-highlight">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
	Flex item

Copy



```

<div class="d-flex align-items-start flex-column bd-highlight mb-3" style="height:
200px;">
  <div class="mb-auto p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
</div>

<div class="d-flex align-items-end flex-column bd-highlight mb-3" style="height:
200px;">
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="p-2 bd-highlight">Flex item</div>
  <div class="mt-auto p-2 bd-highlight">Flex item</div>
</div>

```

## 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
-----------	-----------	-----------	-----------	-----------

Copy

```

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

```

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">
  ...
</div>

```

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	
-----------------	------------------	-----------------	--

Copy

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

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`

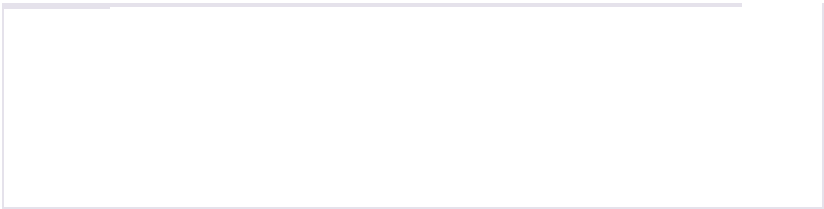
- `.order-sm-10`
- `.order-sm-11`
- `.order-sm-12`
- `.order-md-0`
- `.order-md-1`
- `.order-md-2`
- `.order-md-3`
- `.order-md-4`
- `.order-md-5`
- `.order-md-6`
- `.order-md-7`
- `.order-md-8`
- `.order-md-9`
- `.order-md-10`
- `.order-md-11`
- `.order-md-12`
- `.order-lg-0`
- `.order-lg-1`
- `.order-lg-2`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

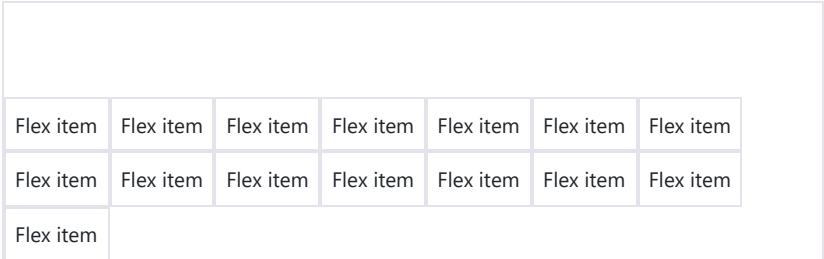
**Heads up!** This property has no effect on single rows of flex items.

[illegible]



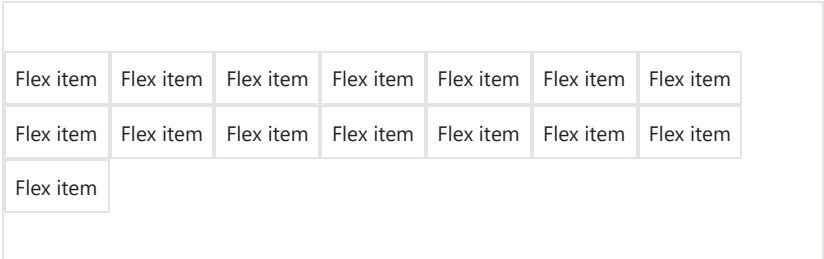
Copy

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



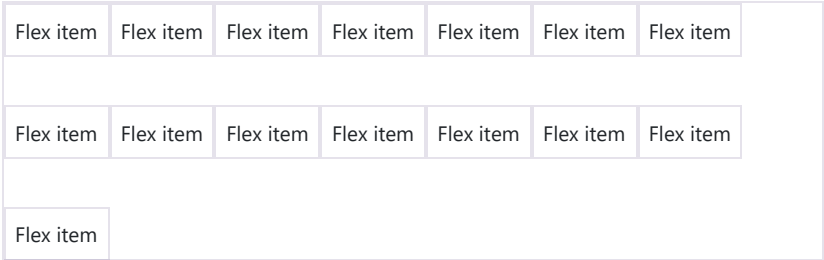
Copy

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



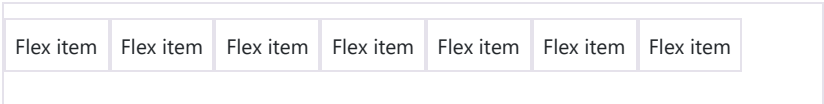
Copy

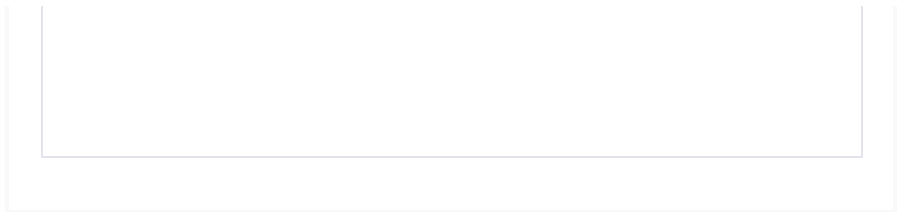
```
<div class="d-flex align-content-center flex-wrap">...</div>
```



Copy

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





```
<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`