

# Devarsenal

## Flexbox cheat sheet 1



Flex container (Parent)

## Parent container properties

### display

This creates a flex container. Elements under the container will turn into flex items.

```
.container {  
    display: flex;  
}
```

### flex direction

row

column

row-reverse

column-reverse

Flex direction defines the axis in which the container should stack the flex items. Horizontal rows or vertical columns.

```
.container {  
    display: flex;  
    flex-direction: row / row-reverse / column / column-reverse;  
}
```

row (default value): row value stacks the flex items in the horizontal direction from left to right.

row-reverse: row-reverse value stacks the flex items in the horizontal direction from right to left.

column: column value stacks the flex items in the vertical direction from top to bottom.

column-reverse: column-reverse value stacks the flex items in the vertical direction from bottom to top.

### justify-content

The justify-content property aligns the flex items along the main axis.

For flex items in row, the justify-content property will align the item in the horizontal direction.

For flex items in column, the justify-content property will align the item in the vertical direction.

flex-start

flex-end

center

space-between

space-around

space-evenly

```
.container {  
    display: flex;  
    flex-direction: flex-start / flex-end / center / space-between / space-around /  
    space-evenly;  
}
```

flex-start (default value): Flex items are stacked at the beginning of the flex container.

flex-end: Flex items are stacked at the end of the flex container.

center: Flex items are stacked at the center of the flex container.

space-between: Flex items are evenly spaced in a line.

space-around: Flex items are evenly distributed with equal space around them.

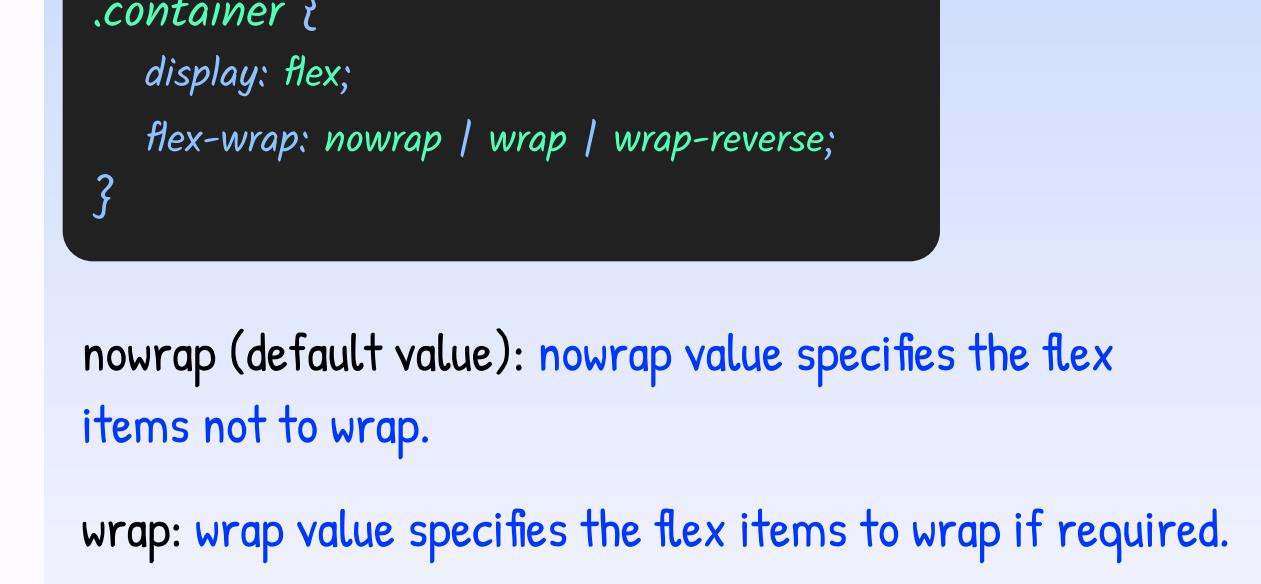
space-evenly: Flex items are distributed in a way that the spacing between any two adjacent items are equal.

Contact - support@dearsenal.io

Beginner to Advanced HTML5 and CSS3

Referral code - <https://www.udemy.com/course/beginner-to-advanced-html5-css3/?referralCode=86B48B5D2E398D20182A>

### flex-wrap



Default behaviour of flexbox tries to fit the flex items well within a single line. The flex-wrap property enables us to wrap the items in the next row or column.

```
.container {  
    display: flex;  
    flex-wrap: nowrap / wrap / wrap-reverse;  
}
```

nowrap (default value): nowrap value specifies the flex items not to wrap.

wrap: wrap value specifies the flex items to wrap if required.

wrap-reverse: wrap-reverse specifies the flex items to wrap in the reverse order if required.

### flex-flow

This property is a shorthand for the flex-direction property and the flex-wrap property.

```
.container {  
    display: flex;  
    flex-flow: row wrap;  
}
```

### align-content

The align-content property is similar to the align-items property, but this aligns flex lines instead of the flex items across the cross axis. This works only when there are multiple lines of flex items.

flex-start

flex-end

center

stretch

space-between

space-around

```
.container {  
    display: flex;  
    flex-direction: flex-start / flex-end / center / space-between / space-around /  
    space-evenly;  
}
```

flex-start: Lines of flex items are stacked at the start of the flex container.

flex-end: Lines of flex items are stacked at the end of the flex container.

center: Lines of flex items are stacked at the center of the flex container.

stretch: Lines of flex items are stretched to fill up the flex container.

space-between: Lines of flex items arranged evenly in the flex container

space-around: Lines of flex items arranged in the flex container, with half space on either ends of the flex container.

space-evenly: Lines of flex items arranged in the flex container, with equal space around them.

## Perfect Centering of elements

This trick can solve the most common problem face by any developer.

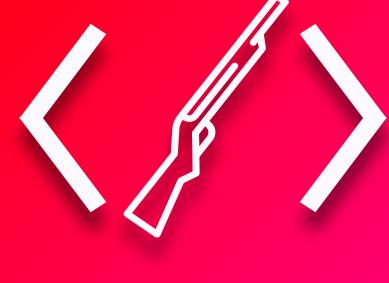
### Centering



```
.container {  
    display: flex;  
    height: 50px;  
    justify-content: center;  
    align-items: center;  
}
```

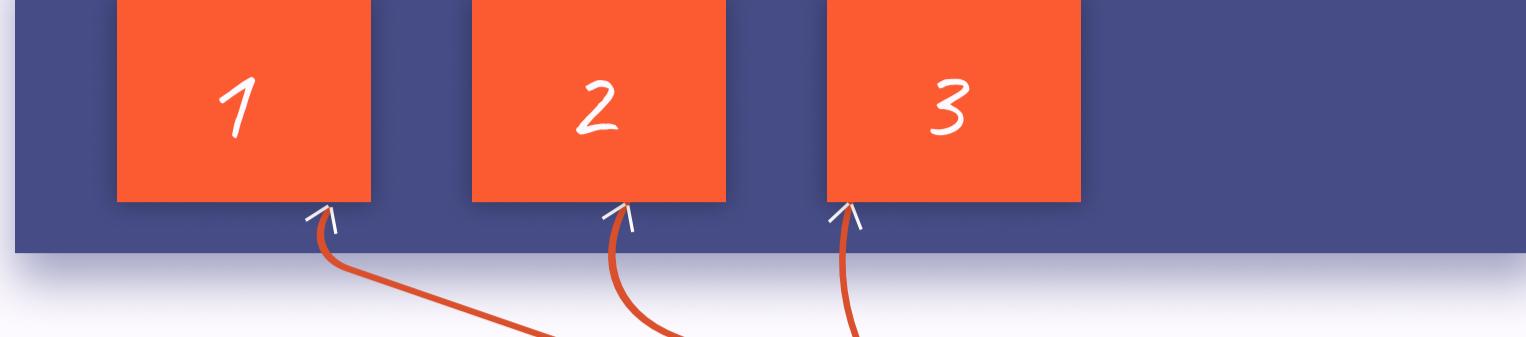
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# Devarsenal

## Flexbox cheat sheet 2



**Flex container (Parent)**

**Flex items (Children)**

## Child properties

### order



The `order` property defines the order in which the flex items are to be arranged in. By default, flex items will be arranged in the source order. The initial value of `order` is 0 "ZERO".

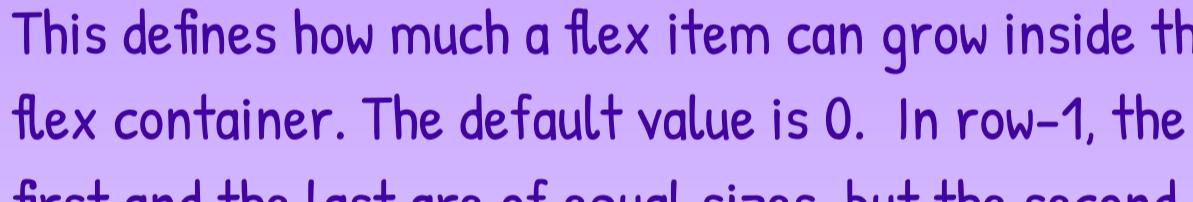
```
<div class="flex-container">
  <div style="order: 1"> 1 </div>
  <div style="order: 3"> 2 </div>
  <div style="order: 2"> 3 </div>
  <div style="order: 0"> 4 </div>
</div>
```

### flex-grow

#### row-1



#### row-2



This defines how much a flex item can grow inside the flex container. The default value is 0. In row-1, the first and the last are of equal sizes, but the second item is twice as big as the first or the last item.

```
<div class="row-1">
  <div style="flex-grow: 1"> 1 </div>
  <div style="flex-grow: 2"> 2 </div>
  <div style="flex-grow: 1"> 1 </div>
</div>

<div class="row-2">
  <div style="flex-grow: 1"> 1 </div>
  <div style="flex-grow: 1"> 1 </div>
  <div style="flex-grow: 1"> 1 </div>
</div>
```

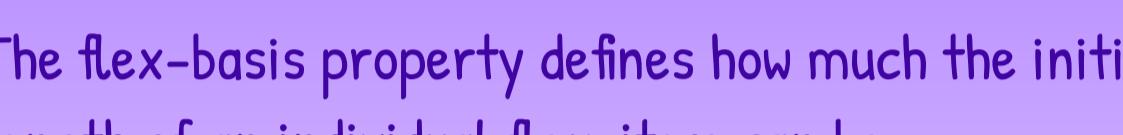
### flex-shrink



The `flex-shrink` property defines how a flex item should shrink relative to the rest of the flex items.

```
<div class="flex-container">
  <div> 1 </div>
  <div> 2 </div>
  <div> 3 </div>
  <div style="flex-shrink: 0"> 4 </div>
  <div> 5 </div>
  ...
  <div> 9 </div>
</div>
```

### flex-basis



The `flex-basis` property defines how much the initial length of an individual flex-item can be.

```
<div class="flex-container">
  <div> 1 </div>
  <div> 2 </div>
  <div style="flex-basis: 300px"> 3 </div>
  <div> 4 </div>
</div>
```

### flex

The "flex" is a shorthand property for defining `flex-grow`, `flex-shrink`, and the `flex-basis` properties.

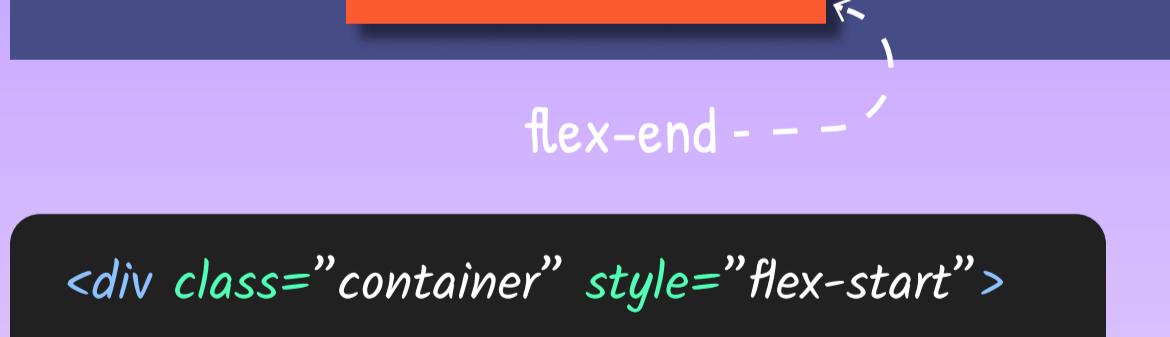
```
<div class="flex-container">
  <div> 1 </div>
  <div> 2 </div>
  <div style="flex: 0 0 300px"> 3 </div>
  <div> 4 </div>
</div>
```

This shorthand property is highly recommended over defining individual properties.

### align-self

The `align-self` property sets the `align-items` property for the selected flex item inside the flex-container. This property overrides the default `align-items` property assigned by the container's `align-items` property.

#### flex-start



flex-end -->

```
<div class="container" style="flex-start">
  <div> 1 </div>
  <div> 2 </div>
  <div style="align-self: flex-end"> 3 </div>
  <div> 4 </div>
</div>
```

The `align-self` property works similarly for `flex-start`, `center`, `space-between`, `space-around` and `space-evenly` properties.

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