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CSS Flex Items

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Child Elements (Items)

The direct child elements of a flex container automatically becomes flexible (flex) items.

| 1 | 2 | 3 | 4 |

The element above represents four blue flex items inside a grey flex container.

Example

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div>3</div>
  <div>4</div>
</div>
```

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The flex item properties are:

- order
- flex-grow
- flex-shrink
- flex-basis
- flex
- align-self

The order Property

The `order` property specifies the order of the flex items.

| 4 | 2 | 1 | 3 |

The first flex item in the code does not have to appear as the first item in the layout.

The order value must be a number, default value is 0.

Example

The *order* property can change the order of the flex items:

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

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The flex-grow Property

The `flex-grow` property specifies how much a flex item will grow relative to the rest of the flex items.

| 1 | 2 | 3 |

The value must be a number, default value is 0.

```
<div class="flex-container">
  <div style="flex-grow: 1">1</div>
  <div style="flex-grow: 1">2</div>
  <div style="flex-grow: 8">3</div>
</div>
```

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The flex-shrink Property

The `flex-shrink` property specifies how much a flex item will shrink relative to the rest of the flex items.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

The value must be a number, default value is 1.

Example

Do not let the third flex item shrink as much as the other flex items:

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div style="flex-shrink: 0">3</div>
  <div>4</div>
  <div>5</div>
  <div>6</div>
  <div>7</div>
  <div>8</div>
  <div>9</div>
  <div>10</div>
</div>
```

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The flex-basis Property

The `flex-basis` property specifies the initial length of a flex item.

| 1 | 2 | 3 | 4 |

Example

Set the initial length of the third flex item to 200 pixels:

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div style="flex-basis: 200px">3</div>
  <div>4</div>
</div>
```

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The flex Property

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

Example

Make the third flex item not growable (0), not shrinkable (0), and with an initial length of 200 pixels:

```
<div class="flex-container">
  <div>1</div>
  <div>2</div>
  <div style="flex: 0 0 200px">3</div>
```

The align-self Property

The `align-self` property specifies the alignment for the selected item inside the flexible container.

The `align-self` property overrides the default alignment set by the container's `align-items` property.

In these examples we use a 200 pixels high container, to better demonstrate the `align-self` property:

Example

Align the third flex item in the middle of the container:

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

Try it Yourself »

Example

Align the second flex item at the top of the container, and the third flex item at the bottom of the container:

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

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The CSS Flexbox Items Properties

The following table lists all the CSS Flexbox Items properties:

Property	Description
align-self	Specifies the alignment for a flex item (overrides the flex container's align-items property)
flex	A shorthand property for the flex-grow, flex-shrink, and the flex-basis properties
flex-basis	Specifies the initial length of a flex item
flex-grow	Specifies how much a flex item will grow relative to the rest of the flex items inside the same container
flex-shrink	Specifies how much a flex item will shrink relative to the rest of the flex items inside the same container
order	Specifies the order of the flex items inside the same container

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