



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



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



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Example

Make the third flex item grow eight times faster than the other flex items:

```
<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>
```



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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



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```
<div>1</div>
<div>2</div>
<div style="flex: 0 0 200px">3</div>
<div>4</div>
</div>
```

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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.

1

2

3

4

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>
```



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

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