

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)

CSS Flex Items

[< Previous](#)[Next >](#)

The CSS Flex Items

The direct child elements of a flex container automatically becomes 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>
```

Try it Yourself »

The CSS properties we use for flex items are:

- `order`
- `flex-grow`
- `flex-shrink`
- `flex-basis`



Tutorials ▼

Exercises ▼

Services ▼



Sign Up

Log in



CSS

JAVASCRIPT

SQL

PYTHON

JAVA

PHP

HOW TO

W3.CSS

The order Property

The **order** property specifies the order of the flex items inside the flex container.

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.

4 2 1 3

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>
```

Try it Yourself »

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

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)

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>
```

[Try it Yourself »](#)

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>
```

[Tutorials](#) ▼[Exercises](#) ▼[Services](#) ▼[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)

```
<div>9</div>
<div>10</div>
</div>
```

[Try it Yourself »](#)

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>
```

[Try it Yourself »](#)

The flex Property

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

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)

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>
  <div>4</div>
</div>
```

[Try it Yourself »](#)

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:

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)

```
<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>
```

[Try it Yourself »](#)

The CSS Flex Items Properties

The following table lists all the CSS Flex 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 container

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)[◀ Previous](#)[Next ▶](#)

Track your progress - it's free!

[Sign Up](#)[Log in](#)

Are you
a teacher?

W3Schools Academy is now live!

Read more!



COLOR PICKER



[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)[PLUS](#)[SPACES](#)[GET CERTIFIED](#)[FOR TEACHERS](#)[FOR BUSINESS](#)[CONTACT US](#)

Top Tutorials

[HTML Tutorial](#)
[CSS Tutorial](#)
[JavaScript Tutorial](#)
[How To Tutorial](#)
[SQL Tutorial](#)
[Python Tutorial](#)
[W3.CSS Tutorial](#)
[Bootstrap Tutorial](#)
[PHP Tutorial](#)
[Java Tutorial](#)
[C++ Tutorial](#)
[jQuery Tutorial](#)

Top References

[HTML Reference](#)
[CSS Reference](#)
[JavaScript Reference](#)
[SQL Reference](#)
[Python Reference](#)
[W3.CSS Reference](#)
[Bootstrap Reference](#)
[PHP Reference](#)
[HTML Colors](#)
[Java Reference](#)
[Angular Reference](#)
[jQuery Reference](#)

Top Examples

[HTML Examples](#)
[CSS Examples](#)
[JavaScript Examples](#)
[How To Examples](#)
[SQL Examples](#)
[Python Examples](#)
[W3.CSS Examples](#)
[Bootstrap Examples](#)
[PHP Examples](#)
[Java Examples](#)
[XML Examples](#)
[jQuery Examples](#)

Get Certified

[HTML Certificate](#)
[CSS Certificate](#)
[JavaScript Certificate](#)
[Front End Certificate](#)
[SQL Certificate](#)
[Python Certificate](#)
[PHP Certificate](#)
[jQuery Certificate](#)
[Java Certificate](#)
[C++ Certificate](#)
[C# Certificate](#)
[XML Certificate](#)

[Tutorials](#) ▼[Exercises](#) ▼[Services](#) ▼[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)[FORUM](#) [ABOUT](#) [ACADEMY](#)

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning.

Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness

of all content. While using W3Schools, you agree to have read and accepted our [terms of use](#), [cookie and privacy policy](#).

Copyright 1999-2024 by Refsnes Data. All Rights Reserved. [W3Schools is Powered by W3.CSS](#).