# CSS flex Property

❮    **Reference**    ❯

## Example

Let all the flexible items be the same length, regardless of its content:

```
#main div {
  -ms-flex: 1; /* IE 10 */
  flex: 1;
}
```

**Try it Yourself »**

**Tip:** More "Try it Yourself" examples below.
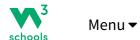
## Definition and Usage

The `flex` property is a shorthand property for:

- flex-grow
- flex-shrink
- flex-basis

The `flex` property sets the flexible length on flexible items.

**Note:** If the element is not a flexible item, the `flex` property has no effect.

**Show demo ❯**

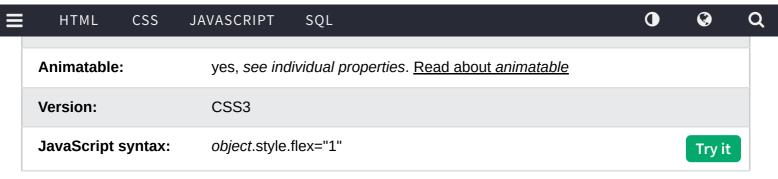| Animatable: | yes, *see individual properties*. [Read about *animatable*](#) | |
|---|---|---|
| Version: | CSS3 | |
| JavaScript syntax: | *object*.style.flex="1" | Try it |

# Browser Support

The numbers in the table specify the first browser version that fully supports the property.

Numbers followed by -webkit-, -ms- or -moz- specify the first version that worked with a prefix.

| Property | | | | | |
|---|---|---|---|---|---|
| flex | 29.0 21.0 -webkit- | 11.0 10.0 -ms- | 28.0 18.0 -moz- | 9.0 6.1 -webkit- | 17.0 |

# CSS Syntax

```
flex: flex-grow flex-shrink flex-basis|auto|initial|inherit;
```

# Property Values

| Value | Description | Demo |
|---|---|---|
| *flex-grow* | A number specifying how much the item will grow relative to the rest of the flexible items | Demo ❯ |
| *flex-shrink* | A number specifying how much the item will shrink relative to the rest of the flexible items | |
| *flex-basis* | The length of the item. Legal values: "auto", "inherit", or a number followed by "%", "px", "em" or any other length unit | Demo ❯ |
| auto | Same as 1 1 auto. | |
| initial | Same as 0 1 auto. [Read about *initial*](#) | |

# More Examples

## Example

Using `flex` together with **media queries** to create a different layout for different screen sizes/devices:

```css
.flex-container {
  display: flex;
  flex-wrap: wrap;
}

.flex-item-left {
  flex: 50%;
}

.flex-item-right {
  flex: 50%;
}

/* Responsive layout - makes a one column layout (100%) instead of a two-
column layout (50%) */
@media (max-width: 800px) {
  .flex-item-right, .flex-item-left {
    flex: 100%;
  }
}
```
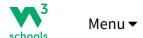
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# Related Pages

CSS Tutorial: <u>CSS Flexible Box</u>

CSS Reference: <u>flex-basis property</u>

CSS Reference: <u>flex-direction property</u>

CSS Reference: flex-shrink property

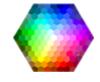CSS Reference: flex-wrap property

HTML DOM reference: flex property

‹    **Reference**    ›

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