

CSS Border - Individual Sides

From the examples on the previous pages, you have seen that it is possible to specify a different border for each side.

In CSS, there are also properties for specifying each of the borders (top, right, bottom, and left):

Example

```
p {  
  border-top-style: dotted;  
  border-right-style: solid;  
  border-bottom-style: dotted;  
  border-left-style: solid;  
}
```

Result:

Different Border Styles

CSS Border - Shorthand Property

Like you saw in the previous page, there are many properties to consider when dealing with borders.

To shorten the code, it is also possible to specify all the individual border properties in one property.

The `border` property is a shorthand property for the following individual border properties:

- `border-width`
- `border-style` (required)
- `border-color`

Example

```
p {  
  border: 5px solid red;  
}
```

Result:

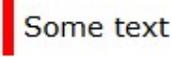


Some text

Left Border

```
p {  
  border-left: 6px solid red;  
}
```

Result:



Some text

CSS Rounded Borders

The `border-radius` property is used to add rounded borders to an element:

Normal border

Round border

Rounder border

Roundest border

```
p {  
  border: 2px solid red;  
  border-radius: 5px;  
}
```

All CSS Border Properties

Property	Description
<u>border</u>	Sets all the border properties in one declaration
<u>border-bottom</u>	Sets all the bottom border properties in one declaration
<u>border-bottom-color</u>	Sets the color of the bottom border
<u>border-bottom-style</u>	Sets the style of the bottom border
<u>border-bottom-width</u>	Sets the width of the bottom border
<u>border-color</u>	Sets the color of the four borders
<u>border-left</u>	Sets all the left border properties in one declaration
<u>border-left-color</u>	Sets the color of the left border
<u>border-left-style</u>	Sets the style of the left border
<u>border-left-width</u>	Sets the width of the left border
<u>border-radius</u>	Sets all the four border-*--radius properties for rounded corners
<u>border-right</u>	Sets all the right border properties in one declaration
<u>border-right-color</u>	Sets the color of the right border

<code>border-right-style</code>	Sets the style of the right border
<code>border-right-width</code>	Sets the width of the right border
<code>border-style</code>	Sets the style of the four borders
<code>border-top</code>	Sets all the top border properties in one declaration
<code>border-top-color</code>	Sets the color of the top border
<code>border-top-style</code>	Sets the style of the top border
<code>border-top-width</code>	Sets the width of the top border
<code>border-width</code>	Sets the width of the four borders

New Chapter.

CSS Margins

The CSS `margin` properties are used to create space around elements, outside of any defined borders.

With CSS, you have full control over the margins. There are properties for setting the margin for each side of an element (top, right, bottom, and left).

Margin - Individual Sides

CSS has properties for specifying the margin for each side of an element:

- `margin-top`
- `margin-right`
- `margin-bottom`
- `margin-left`

All the margin properties can have the following values:

- `auto` - the browser calculates the margin
- `length` - specifies a margin in px, pt, cm, etc.
- `%` - specifies a margin in % of the width of the containing element
- `inherit` - specifies that the margin should be inherited from the parent element

Set different margins for all four sides of a `<p>` element:

```
p {  
  margin-top: 100px;  
  margin-bottom: 100px;  
  margin-right: 150px;  
  margin-left: 80px;  
}
```

Margin - Shorthand Property

To shorten the code, it is possible to specify all the margin properties in one property.

The `margin` property is a shorthand property for the following individual margin properties:

- `margin-top`
- `margin-right`
- `margin-bottom`
- `margin-left`

So, here is how it works:

If the `margin` property has four values:

- **`margin: 25px 50px 75px 100px;`**
 - top margin is 25px
 - right margin is 50px
 - bottom margin is 75px
 - left margin is 100px

Use the margin shorthand property with four values:

```
p {  
  margin: 25px 50px 75px 100px;  
}
```

If the `margin` property has three values:

- **`margin: 25px 50px 75px;`**
 - top margin is 25px
 - right and left margins are 50px
 - bottom margin is 75px

Example

Use the margin shorthand property with three values:

```
p {  
  margin: 25px 50px 75px;  
}
```

If the `margin` property has two values:

- **margin: 25px 50px;**
 - top and bottom margins are 25px
 - right and left margins are 50px

Example

Use the margin shorthand property with two values:

```
p {  
  margin: 25px 50px;  
}
```

If the `margin` property has one value:

- **margin: 25px;**
 - all four margins are 25px

Example

Use the margin shorthand property with one value:

```
p {  
  margin: 25px;  
}
```

The auto Value

You can set the margin property to `auto` to horizontally center the element within its container.

The element will then take up the specified width, and the remaining space will be split equally between the left and right margins.

Example

Use margin: auto:

```
div {  
  width: 300px;  
  margin: auto;  
  border: 1px solid red;  
}
```

The inherit Value

This example lets the left margin of the `<p class="ex1">` element be inherited from the parent element (`<div>`):

Example

Use of the inherit value:

```
div {
  border: 1px solid red;
  margin-left: 100px;
}

p.ex1 {
  margin-left: inherit;
}

<!DOCTYPE html>
<html>
<head>
<style>
div {
  border: 1px solid red;
  margin-left: 100px;
}

p.ex1 {
  margin-left: inherit;
}
</style>
</head>
<body>

<h2>Use of the inherit value</h2>
<p>Let the left margin be inherited from the
parent element:</p>

<div>
<p class="ex1">This paragraph has an inherited
left margin (from the div element).</p>
</div>

</body>
</html>
```

Use of the inherit value

Let the left margin be inherited from the parent element:

This paragraph has an inherited left margin (from the div element).

All CSS Margin Properties

Property	Description
<u>margin</u>	A shorthand property for setting all the margin properties in one declaration
<u>margin-bottom</u>	Sets the bottom margin of an element
<u>margin-left</u>	Sets the left margin of an element
<u>margin-right</u>	Sets the right margin of an element
<u>margin-top</u>	Sets the top margin of an element