

CSS Padding

The CSS `padding` properties are used to generate space around an element's content, inside of any defined borders.

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

Padding - Individual Sides

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

- `padding-top`
- `padding-right`
- `padding-bottom`
- `padding-left`

All the padding properties can have the following values:

- *length* - specifies a padding in px, pt, cm, etc.
- *%* - specifies a padding in % of the width of the containing element
- *inherit* - specifies that the padding should be inherited from the parent element

Note: Negative values are not allowed.

Example

Set different padding for all four sides of a `<div>` element:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
border: 1px solid black;
background-color: lightblue;
padding-top: 50px;
padding-right: 30px;
padding-bottom: 50px;
padding-left: 80px;
}
</style>
</head>
<body>

<h2>Using individual padding properties</h2>
```

```
<div>This div element has a top padding of 50px, a right padding of 30px, a bottom padding of 50px, and
a left padding of 80px.</div>
```

```
</body>
</html>
```

Output:-

Using individual padding properties

This div element has a top padding of 50px, a right padding of 30px, a bottom padding of 50px, and a left padding of 80px.

Padding - Shorthand Property

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

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

- `padding-top`
- `padding-right`
- `padding-bottom`
- `padding-left`

So, here is how it works:

If the `padding` property has four values:

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

Example

Use the padding shorthand property with four values:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<style>
```

```
div {
```

```
border: 1px solid black;
```

```
padding: 25px 50px 75px 100px;
```

```
background-color: lightblue;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h2>The padding shorthand property - 4 values</h2>
```

```
<div>This div element has a top padding of 25px, a right padding of 50px, a bottom padding of 75px, and  
a left padding of 100px.</div>
```

```
</body>
```

```
</html>
```

Output:-

The padding shorthand property - 4 values

This div element has a top padding of 25px, a right padding of 50px, a bottom padding of 75px, and a left padding of 100px.