

Padding in CSS

The CSS padding feature is used to create space around the content of the element and within the borders in CSS.

The CSS padding feature is used to create space around the content of the element and within the borders in CSS. Features set up all 4 sides (top, bottom, left, right) for each element.

Padding of each edge

CSS has properties that define padding for each element edge:

1. padding-top
2. padding-right
3. padding-bottom
4. padding-left

All properties can have the following values:

1. length - determines the margin according to px, pt, cm .
2. % - determines the margin in% of the width of the element
3. inherit - determine the margin inherited from the parent element

Negative values ??can be used. The example below sets the padding for 4 sides of the element

:

```
div {
  padding-top: 50px;
  padding-right: 30px;
  padding-bottom: 50px;
  padding-left: 80px;
}
```

Shortened feature of padding

To shorten the code, you can use the padding, abridged property padding, putting it all in a single property.

1. padding-top
2. padding-right
3. padding-bottom
4. padding-left

If the padding property has 4 values

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

1. 25px upper margin
2. right margin 50px
3. margin below 75px
4. left margin 100px

```
div {  
  padding: 25px 50px 75px 100px;  
}
```

If the padding property has 3 values

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

1. 25px upper margin
2. left and right margins 50px
3. margin below 75px

```
div {  
  padding: 25px 50px 75px;  
}
```

If the padding property has 2 values

```
padding: 25px 50px;
```

1. upper margin and below 25px
2. left and right margins 50px

```
div {  
  padding: 25px 50px;  
}
```

If the padding property has 1 value

```
padding: 25px;
```

1. All margins are 25px

```
div {  
  padding: 25px;  
}
```

Width of padding and element

The `width` property of CSS determines the width of the content area within the element, which is the part of the element's padding, border, and margin.

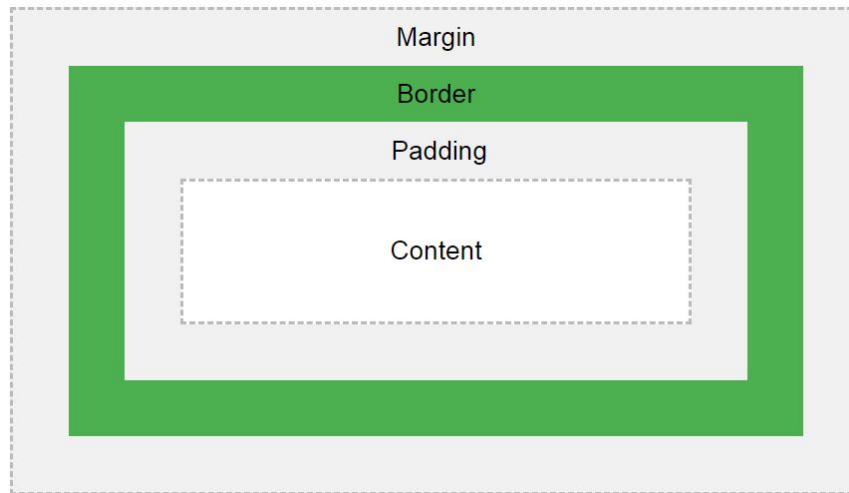


Illustration of element padding, border, and margin properties

If the element has a certain width, the added `padding` will add to the total width of the element, which will often cause unexpected results.

In the example below element

300px wide but the width of the element is realistic

This will be 350px (300px + 25px of left padding part + 25px right padding part).

```
div {  
  width: 300px;  
  padding: 25px;  
}
```

To keep the total width of 300px, no matter how wide the `padding` part is, use the `box-sizing` to keep the width. If you increase the `padding`, part, the content inside will decrease to the total width unchanged.

```
div {  
  width: 300px;  
  padding: 25px;  
  box-sizing: border-box;  
}
```

Last lesson: CSS margin

Lesson: Height and width in CSS

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