CSS Padding

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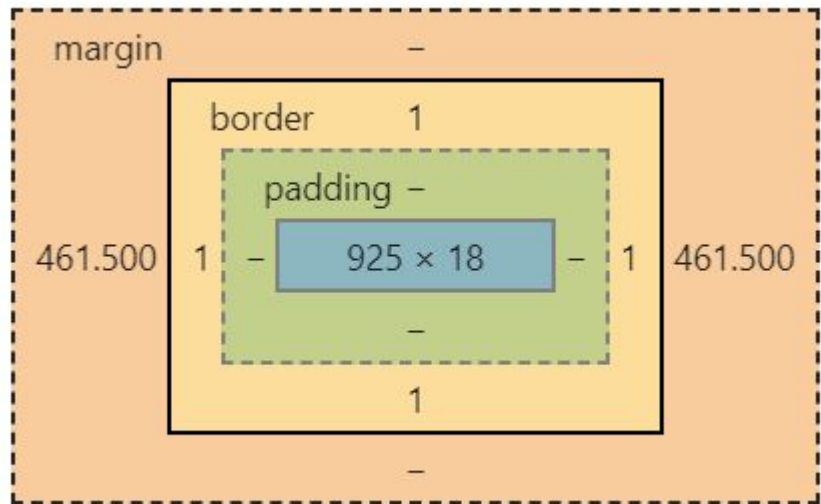
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Padding Property

The padding property is used to define space between the element's content and the borders. There are 4 different properties for setting the padding for each side of an element:

* padding-top

* padding-right

* padding-bottom

* padding-left

Padding Property

Padding properties can have the following values:

length: Length of the padding is defined in px, rem, em, cm, etc.

%: Length of the padding in % of the width of the containing element.

inherit: Length of the padding is inherited from the parent.

Padding Property

Padding Property

- The padding property is used to define space between the element's content and the borders.

```
HTML
1  <!DOCTYPE html>
2  <html>
3    <body>
4      <h1>Padding Property</h1>
5      <p>The example of Padding Property</p>
6    </body>
7  </html>
```

```
CSS
1  p {
2      border: 1px solid black;
3      padding-top: 10px;
4      padding-right: 20px;
5      padding-bottom: 30px;
6      padding-left: 40px;
7      background-color: yellow;
8  }
```

Padding Property

The example of Padding Property

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2 Shorthand Property

Shorthand Property

4 Padding values

- In this example, 4 padding values are used. The order of the padding values are:
top padding-right padding-bottom padding-left padding.

```
⚙ HTML                                    ⌄
1  <!DOCTYPE html>
2  <html>
3    <body>
4      <h1>Padding Property</h1>
5      <p>The example of Padding Property</p>
6    </body>
7  </html>
```

```
⚙ CSS                                     ⌄
1  p {
2    border: 1px solid black;
3    padding: 10px 20px 30px 40px;
4    background-color: yellow;
5  }
```

Padding Property

The example of Padding Property

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Shorthand Property

3 padding values

- In this example, 3 padding values are used. The order of the padding values are:
top padding-right/left paddings-bottom padding.

```
HTML
1  <!DOCTYPE html>
2  <html>
3    <body>
4      <h1>Padding Property</h1>
5      <p>The example of Padding Property</p>
6    </body>
7  </html>
```

```
CSS
1  p {
2    border: 1px solid black;
3    padding: 10px 20px 30px;
4    background-color: yellow;
5  }
```

Padding Property

The example of Padding Property

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Shorthand Property

2 padding values

- In this example, 2 padding values are used. The order of the padding values are:
top/bottom paddings - right/left paddings.

```
HTML                                    ⌄
1  <!DOCTYPE html>
2  <html>
3    <body>
4      <h1>Padding Property</h1>
5      <p>The example of Padding Property</p>
6    </body>
7  </html>
```

```
CSS                                     ⌄
1  p {
2    border: 1px solid black;
3    padding: 20px 40px;
4    background-color: yellow;
5  }
```

Padding Property

The example of Padding Property

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Inherit Value

Inherit Value

- The padding of an element can be inherited from the parent element using inherit value.

```html
<!DOCTYPE html>
<html>
  <body>
    <h1>Padding Property</h1>
    <div>
      <p>The example of Padding
Property</p>
    </div>
  </body>
</html>
```

```css
div {
  border: 1px solid black;
  padding: 20px;
  background-color: yellow;
}
div p {
  border: 1px solid black;
  padding: inherit;
  background-color: green;
}
```

Padding Property

The example of Padding Property

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box-sizing property

box-sizing property

* The CSS width property specifies the width of the element's content area. The content area is the portion inside the padding, border, and padding of an element (the box model).

* If an element has a specified width, the padding added to that element will be added to the total width of the element. This is often an undesirable result.

box-sizing property

* In the example below, the <div> element is given a width of 300px. However, the actual width of the <div> element will be 350px (300px + 25px of left padding + 25px of right padding)

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

* To keep the width at 300px, no matter the amount of padding, you can use the box-sizing property. This causes the element to maintain its width; if you increase the padding, the available content space will decrease.

box-sizing property

* Use the box-sizing property to keep the width at 300px, no matter the amount of padding:

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