**CSS Margin**

**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

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

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

If the margin property has two values:

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

If the margin property has one value:

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

**The auto Value**

You can set the margin property to auto to horizontally centre 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.

**CSS Padding**

**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

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

If the padding property has three values:

* **padding: 25px 50px 75px;**
  + top padding is 25px
  + right and left paddings are 50px
  + bottom padding is 75px

If the padding property has two values:

* **padding: 25px 50px;**
  + top and bottom paddings are 25px
  + right and left paddings are 50px

If the padding property has one value:

* **padding: 25px;**
  + all four paddings are 25px

## Padding and Element Width

The CSS width property specifies the width of the element's content area. The content area is the portion inside the padding, border, and margin of an element ([the box model](https://www.w3schools.com/css/css_boxmodel.asp)).

So, 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.