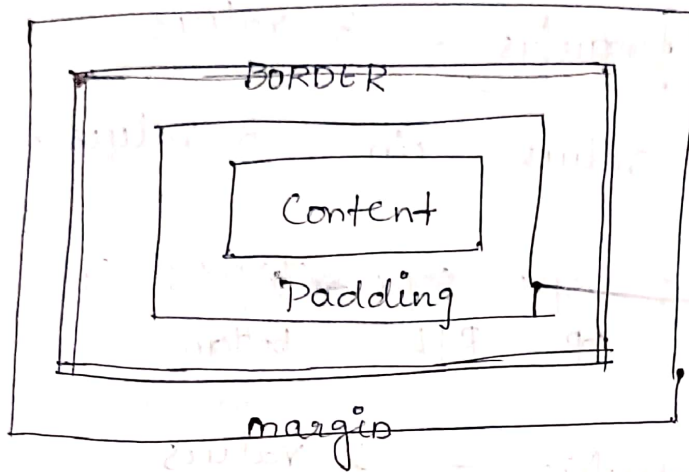


Box MODEL

CSS Box model is a container that contains borders, margins, padding and the content itself. It is used to create design and layout of web pages.



→ Content | Content area :-

This area consists of content like text, image etc. or any other media content.

→ Padding area :-

This area includes elements padding. This area is the space around the content and border of the box.

→ Border Area :-

This is the area between box's padding & margin.

→ margin Area :-

This area is space between ~~border padding~~ and border.

CSS- MARGINS

CSS margins are used to create space around the element. we can set different sizes of margins like (top, right, bottom, left)

Using Individual properties :-
div {

margin-top : 100px ;

margin-bottom : 100px ;

margin-right : 150px ;

margin-left : 80px ;

border : 1px solid black

background-color : light blue ;

}

```
<body> <h2> individual margin properties </h2>  
  <div> lorem </div>  
</body>
```

Shorthand property - all the 4 margin values

```
div { background-color : light blue ;  
      border : 1px solid black ;  
      margin : 25px 50px 75px 100px ;  
      top    Right    bottom    left  
}
```

Shorthand property - 2 values top & bottom right & left

```
P { margin : 25px 50px  
    top / bottom    Right / left }
```

Shorthand property - 1 Value.

all the 4 values in 1 margin
and one single value.

```
P { margin : 25px  
}
```

CSS PADDING → Space between Content/border.

CSS padding are used to create space around the element, inside any defined border. we can set different padding for individual sides (top, bottom, right, left).

→ padding creates extra space within element,
margin creates extra space around an element.

Individual values for all padding properties

```
<style>  
div {  
    padding-top : 50px ;  
    padding-right : 30px ;  
    padding-bottom : 50px ;  
    padding-left : 80px ;  
  
    border : 1px solid black ;  
    background-color : pink ;  
}
```

```
</style>
```

```
<body>
```

```
<div>
```

top padding , bottom padding , right padding
left padding

```
</div>  
</body>
```

Shorthand properties - 4 values.

All the 4 padding values in one
div {

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

top right bottom left

Shorthand properties - 3 values

All the 4 values in 3 values.

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

top R/L bottom

Shorthand properties - 2 values

4 values in 2 values.

div { padding : 25px 50px ; }

Top/bottom right/left

Shorthand properties - 1 value

4 values in 1 value.

div { padding : 25px ; }

All the four padding values will be 25px.

BORDER

CSS Border properties will allow the user to set style, width, color for an tag or Element.

→ color is done

CSS Border style

Border - style property defines what type of border to display.

- 1) dotted
- 2) dashed
- 3) Solid
- 4) double
- 5) groove
- 6) none
- 7) hidden
- 8) mixed border

<style>

- dotted { border-style : dotted; }
- dashed { border-style : dashed; }
- solid { border-style : solid; }
- double { border-style : double; }
- groove { border-style : groove; }
- none { border-style : none; }
- hidden { border-style : hidden; }
- mix { border-style : dotted dashed solid double; }

</style>

<Body>

- <p class="dotted"> A dotted border </p>
- <p class="dashed"> A dashed border </p>
- <p class="solid"> A solid border </p>
- <p class="double"> A solid border </p>
- <p class="groove"> A groove border </p>
- <p class="none"> No border </p>
- <p class="hidden"> hidden border </p>
- <p class="mix"> A mixed border </p>

Border width

Border width should be specified along with border style

The border-width property specifies the width of a border for all the four sides.

width can be applied using pre-defined values like thin, medium, thick

<style>

```
P.one { border-style: solid;
        border-width: 5px; }
```

```
P.Two { border-style: solid;
        border-width: medium; }
```

```
P.three { border-style: dotted;
          border-width: 10px; }
```

```
P.four { border-style: solid;
         border-width: thick; }
```

```
P.five { border-style: double;
        border-width: thin; }
```

```
<p class="one"> lorem </p>
```

```
<p class="Two"> lorem </p>
```

```
<p class="Three"> lorem </p>
```

```
<p class="four"> lorem </p>
```

```
<p class="five"> lorem </p>
```

Shorthand to add color, width, style.
border width, border color, border style.

```
P. { border: 50px solid Red; }
```

<Style>

div

{ width : 400px

padding : 40px

border : 30px Solid grey;

Margin : 200px 0 0 350px;

}

</Style>

<Body>

<div> lorem </div>

~~div~~.box

{ padding-top : 40px;

width : 400px;

height : 100px;

~~margin~~ margin : 50px;

text-align : center;

font-size : 32px;

font-weight : bold;

}

<div class="box">

Hello world

Good morning

</div>