



CSS

BOX

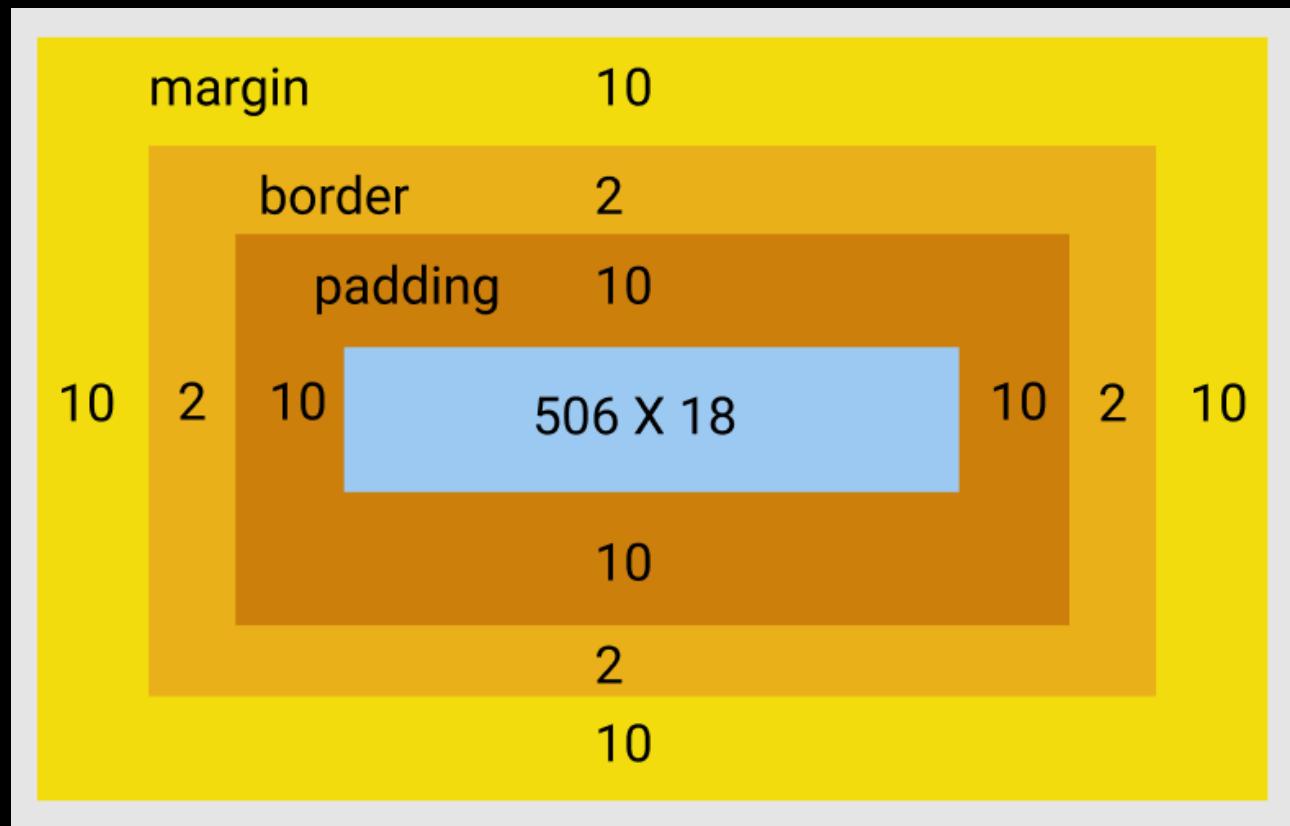
MODEL

+ A Bonus Gotcha



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Everything in CSS has a box around it, whether it is a div, text, button, or span, and understanding these boxes is key to being able to create layouts with CSS.



What makes up a Box in CSS?

A Box has different components,
such as:

- ▶ Padding
- ▶ Margin
- ▶ Border
- ▶ Most important is actual Content of the Box.



CONTENT BOX

The area where your content is displayed. Can be styled using- width and height properties

PADDING BOX

The padding sits around the content as white space. Can be styled using padding related properties:

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



BORDER BOX

The border box wraps the content and padding.

To set an equal border on all 4 sides, you can use border property or set it individually using border-top, border-right, border-left, border-bottom

Other border styling properties include:

- border-width
- border-style
- border-color

To set the width, style, or color of a single side, you can combine them in a single property - border-top-width, border-top-style, etc



MARGIN BOX

The margin is the outermost layer, it's like an invisible space around your box.

To set an equal margin on all 4 sides, we can use margin property or set it individually using:

- margin-top
- margin-right
- margin-bottom
- margin-left



EXAMPLE

```
● ● ●  
.Box1 {  
    background-color: orange;  
    padding: 10px;  
    border: 2px solid black;  
    margin: 10px;  
}  
  
.Box2 {  
    background-color: grey;  
    padding: 10px;  
    border: 2px solid black;  
    margin: 10px;  
}
```

Box 1

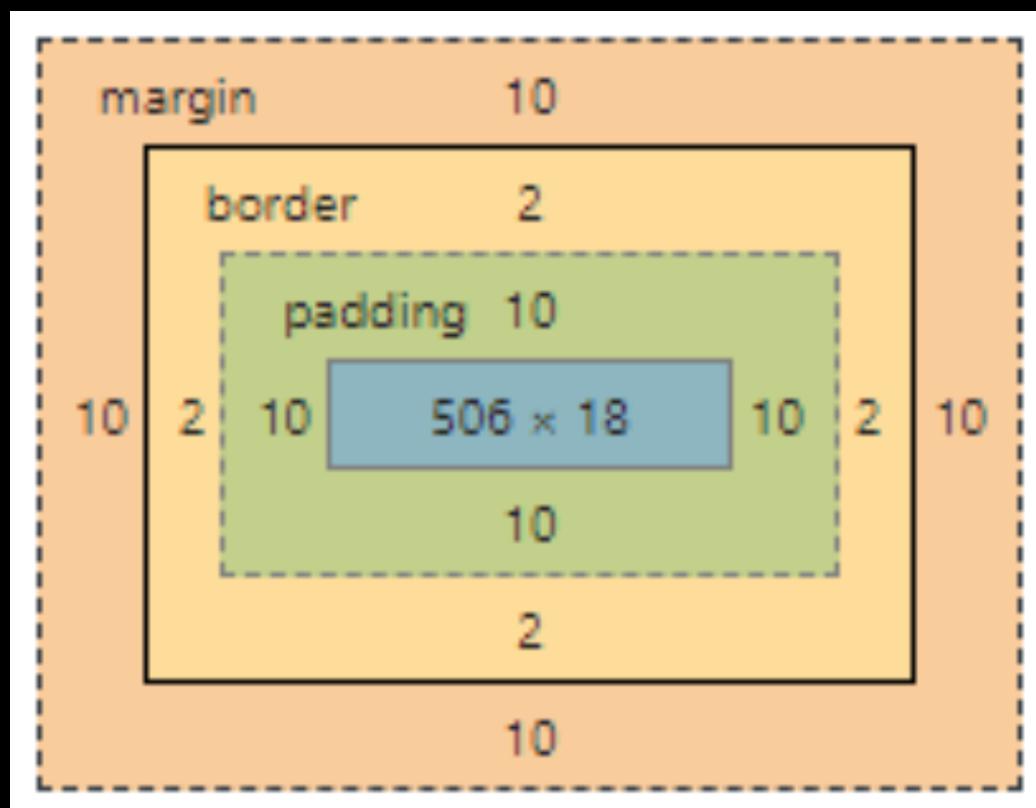
Box 2



...continued

The structure of CSS can be seen by using Dev tools on the browser.

Styling properties that we have given to the div are structured in form of a rectangular box here containing margin, border, and padding.



BONUS GOTCHA

Let's add a margin-bottom of 20px on box1 and margin-top of 30 px in box2.

Now we expect to see a total margin of 50 px between two divs, right?

Wrong! We will only get a margin of 30, CSS sets the maximum margin out of the two which comes out to be 30.

CSS is unpredictable, sometimes things don't work as expected.

Try out the Box model yourself and you might find some more hidden tricks and Gotchas.





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