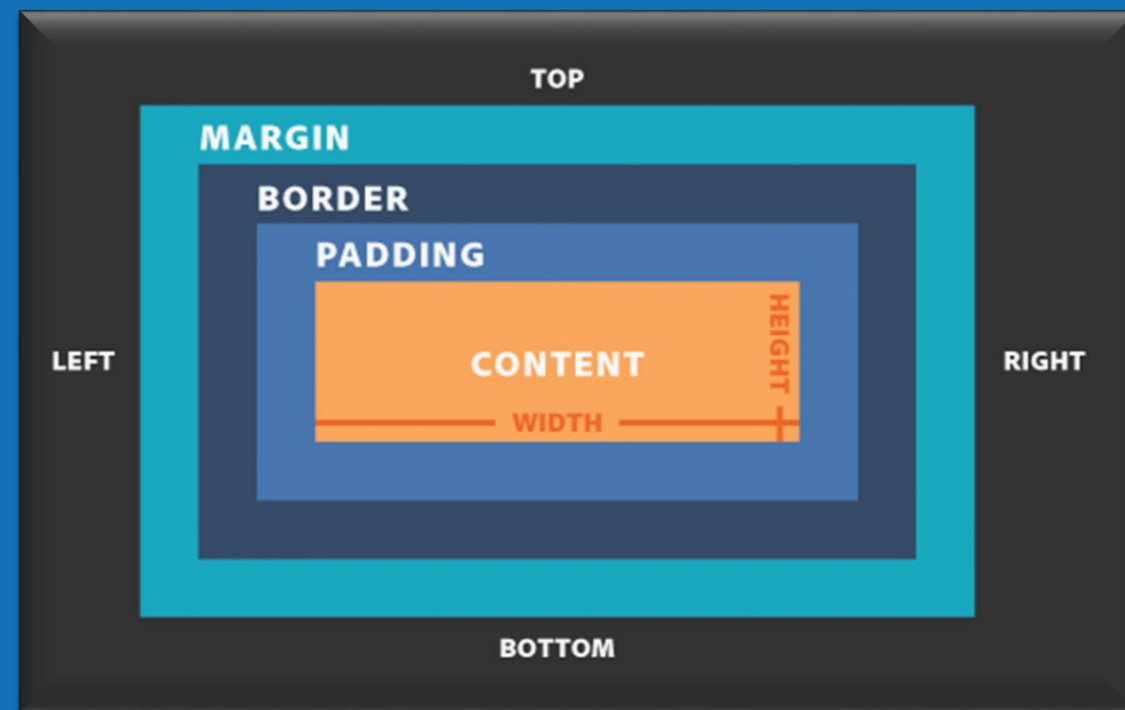


BOX MODEL





Content to be covered:



- Understanding Box Model
- Content
- Padding
- Border
- Margin

Understanding the Box Model in CSS

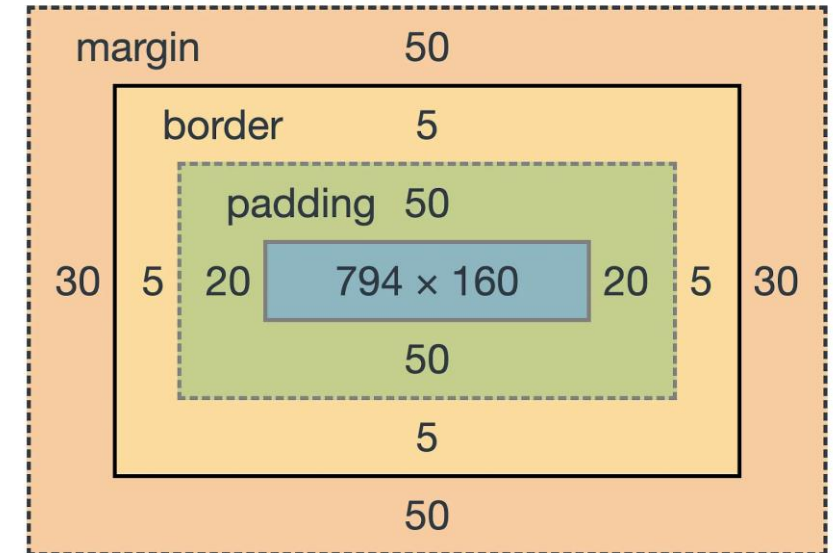
- Most HTML elements are containers.
- Consider some of the HTML elements we've used so far: **body**, **p**, **h1**, **h2**, **div**.
- Each of these is a container, or box.
- Each box has **three layers** that surround its content.

The layers are, in order from inside to outside:

Padding

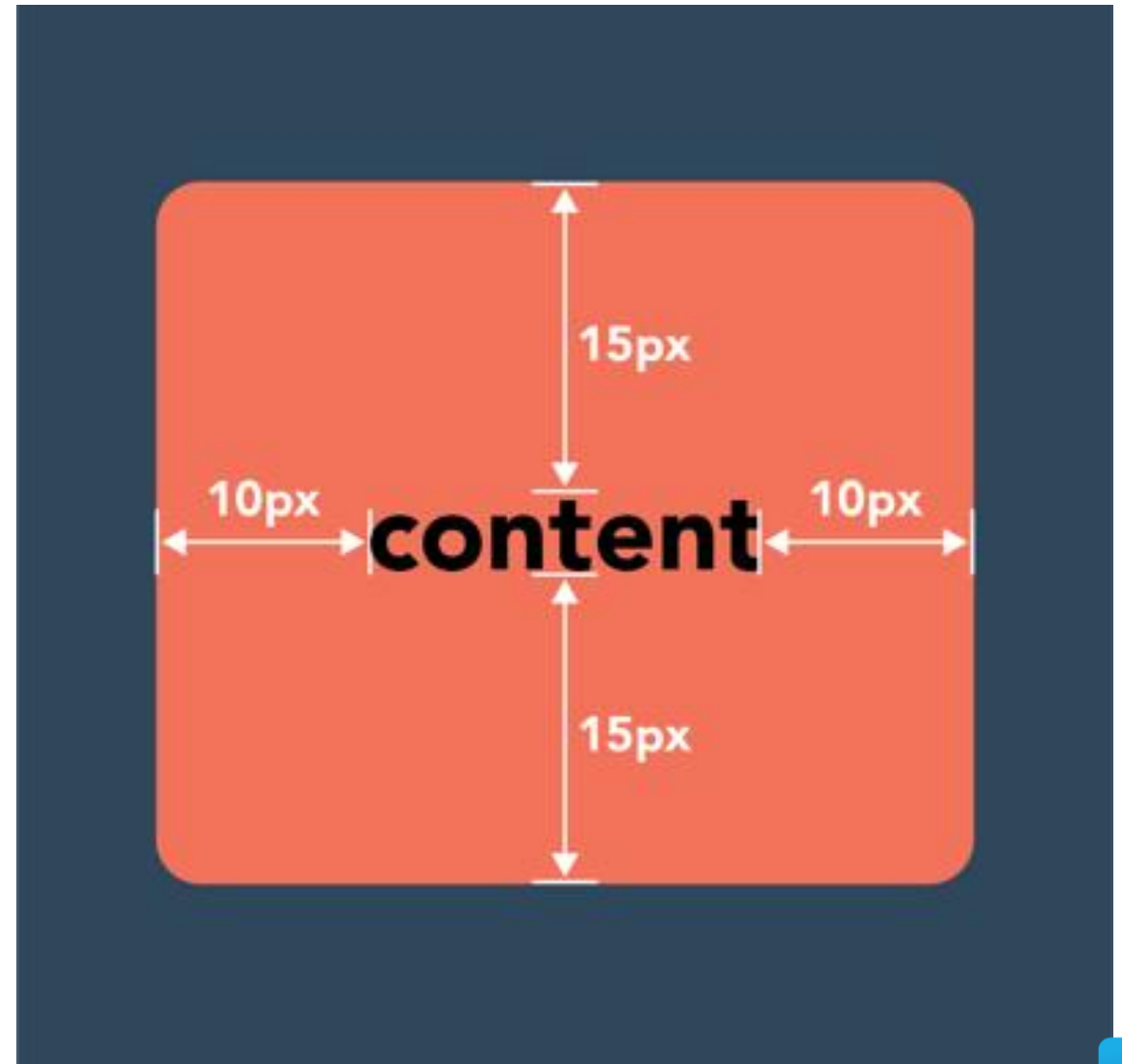
Border

Margin



Understanding the Box Model in CSS

- **Content** : The content area consists of content like image, text, or other forms or media content. The height and width properties help to modify the box dimensions.
- **Padding**: The padding area is the **space around** the content area and within the border-box. It can be applied to all sides of the box or to the specific, selected side(s) - top, right, bottom, and/or left.



Padding Syntax

- `/* Apply to all four sides */`
`padding: 30px;`
- `/*Padding for top, right, bottom, left (separately) */`
`padding-top : 79px;`
`padding-right : 79px;`
`padding-bottom : 79px;`
`padding-left : 79px;`

```
/* padding top, right, bottom,  
left */
```

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

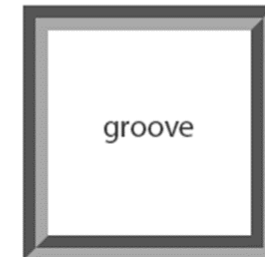
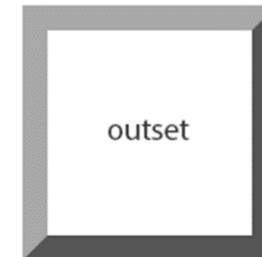
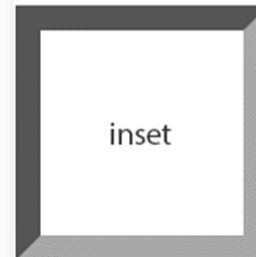
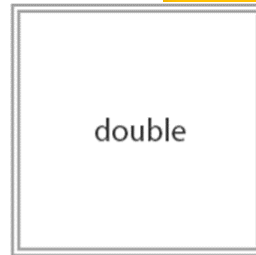
```
/* for shorthand :  
padding : y(top/bottom);  
padding : x(left/right);  
*/
```

```
padding : 34px 19px;
```

Understanding the Box Model in CSS

Border :

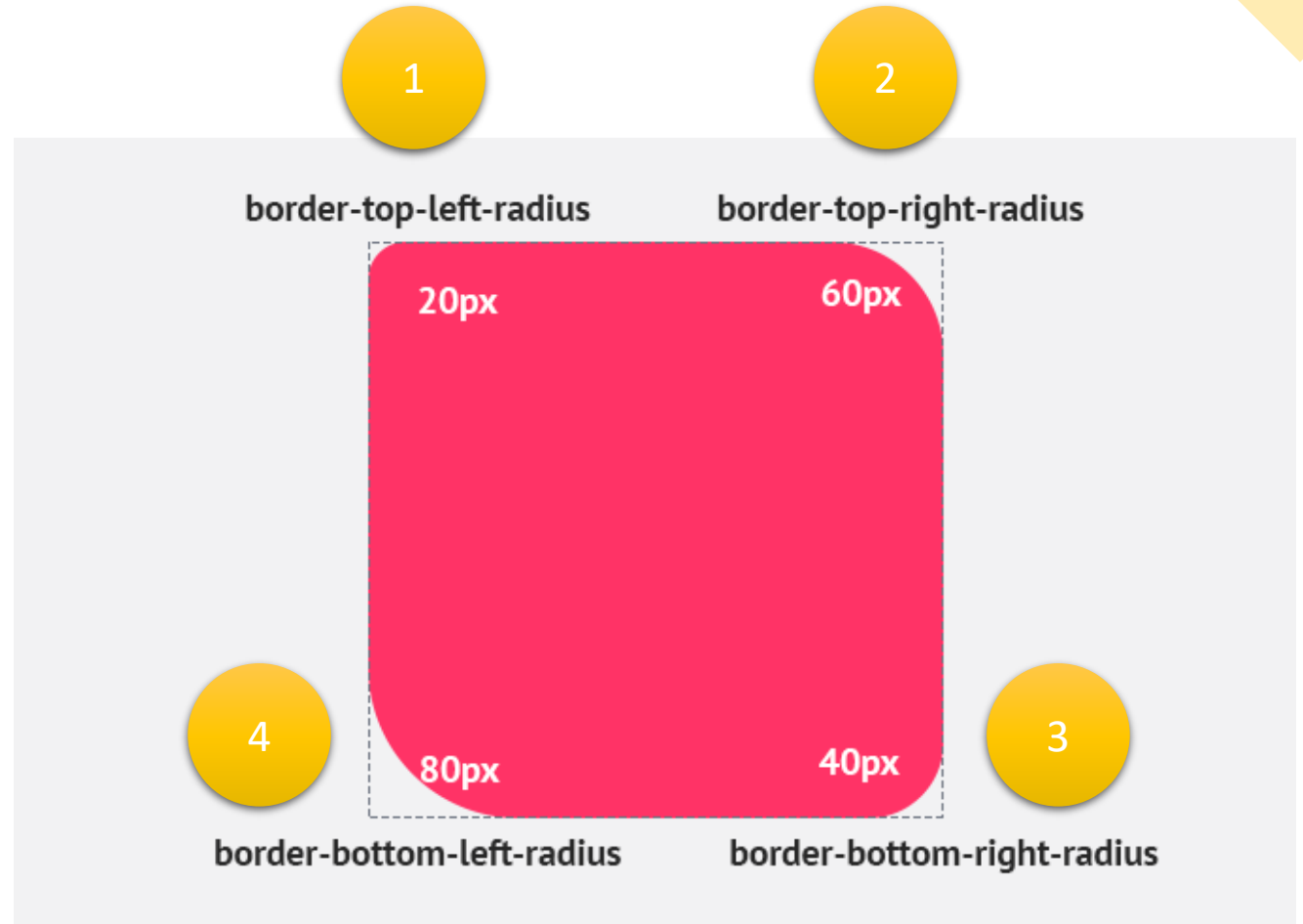
The border area surrounds the padding and the content and can be applied to all the sides of the box or to selected side(s) - top, right, bottom, and/or left.



1. border:12px;
2. border-width:12px|thin|medium|thick;
3. border-color:green;
4. border-top:2px solid black;
5. border-right:3px dashed black;
6. border-bottom:4px dotted black;
7. border-left:5px double black;
8. border:2px solid black;
9. border-style:
none|hidden|dotted|dashed|solid|double|groove|ridge|inset|outset|initial|inherit;

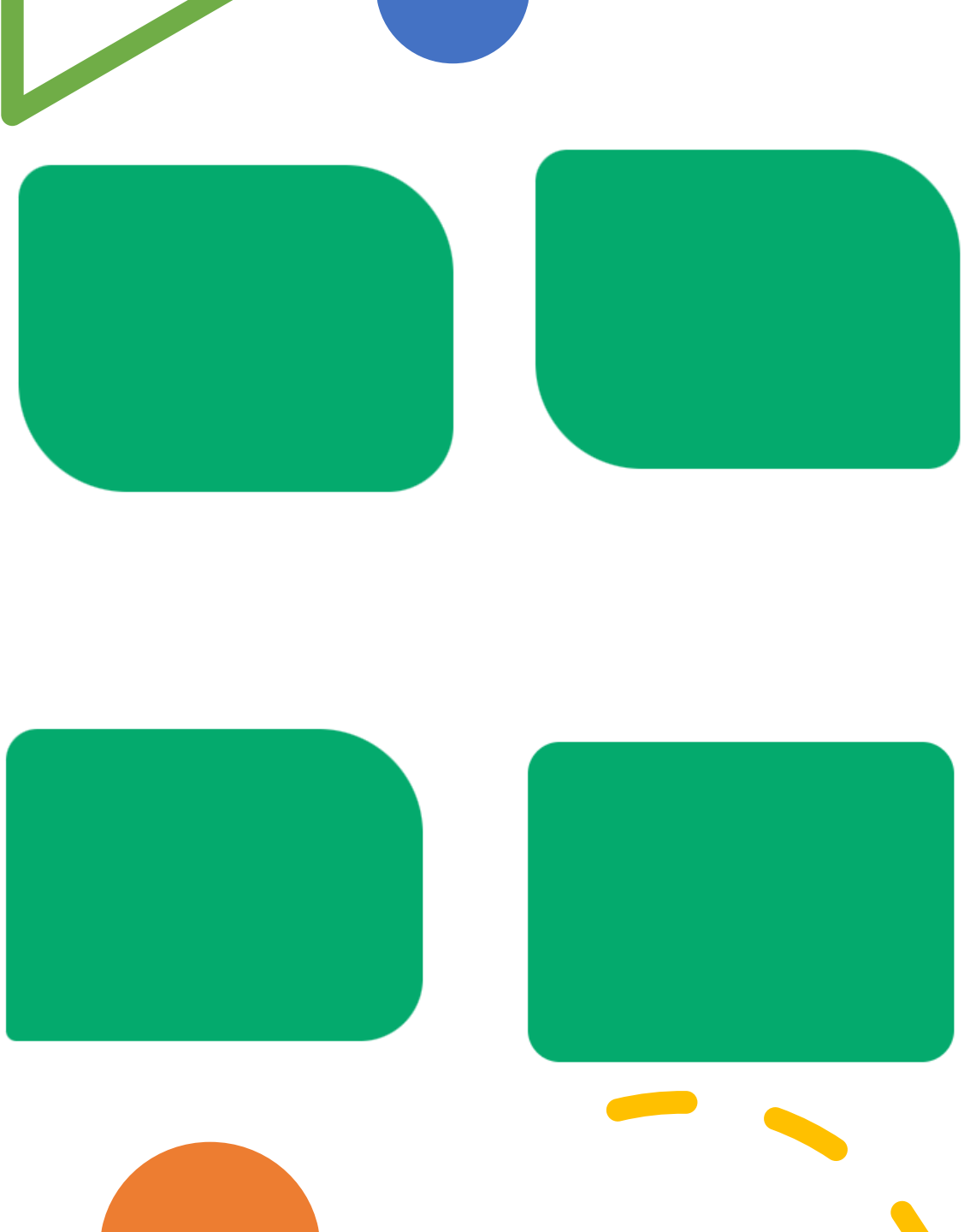
Border-radius

- The border-radius property defines the radius of the element's corners.



Border-radius Syntax

- `border-radius: 15px 50px 30px 5px;`
- `border-radius: 15px 50px 30px;`
- `border-radius: 15px 50px;`
- `border-radius: 15px;`



`border-radius : 50%`

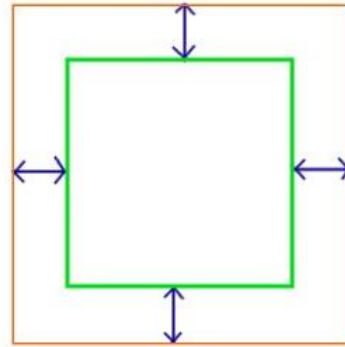


`border-radius: 50%;`

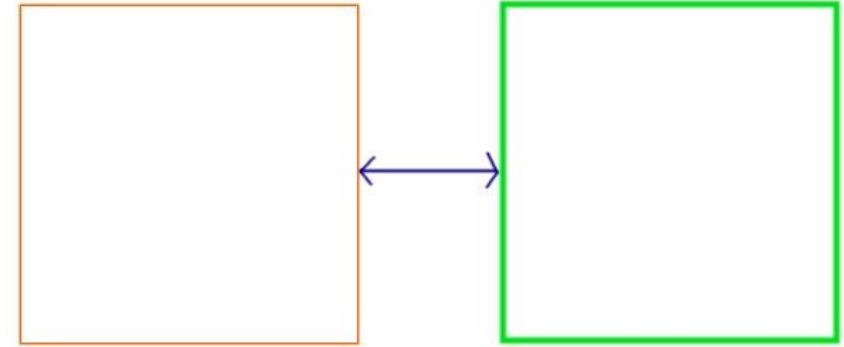
Understanding the Box Model in CSS

Margin

The margin area consists of space between the border and the margin. The margin does not possess its own background color and is completely transparent. It shows the background color of the element, like the body element.



Padding



Margin

Margin Syntax

- `/* Apply to all four sides */`
`margin: 30px;`
- `/*margin for top, right, bottom, left (separately) */`
`margin-top : 79px;`
`margin-right : 79px;`
`margin-bottom : 79px;`
`margin-left : 79px;`

```
/* margin top, right, bottom,  
left */
```

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

```
/* for shorthand :  
margin : y(top/bottom);  
margin : x(left/right);  
*/
```

```
margin : 34px 19px;
```

CSS Box Sizing

- Box sizing property enables us to include the padding and the border in the total width and height of an element.
- The **box-sizing** property defines how the width and height of an element are calculated: should they include padding and borders, or not.



Thank you

