CSS Box Model Cheat Sheet

By Web Dev Simplified   https://courses.webdevsimplified.com
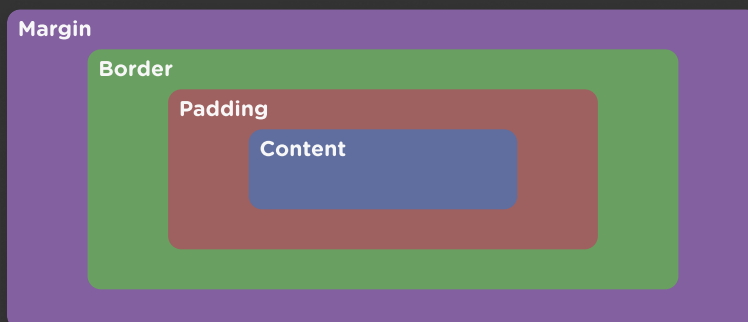
Padding
The space between the content and the border of an element

`padding: 5px`	**Set the padding on all sides** Set the padding to 5px on all sides
`padding: 5px 3px`	**Set the padding on the horizontal and vertical axis** Set the padding to 5px on the top and bottom and 3px on the left and right
`padding: 5px 2px 3px`	**Set the padding on the top side, horizontal axis, and bottom side** Set the padding to 5px on the top, 2px on the left and right, and 3px on the bottom
`padding: 5px 2px 3px 1px`	**Set the padding on the top, right, bottom, and left** Set the padding to 5px on the top, 2px on the right, 3px on the bottom, and 1px on the left
`padding-top: 5px`	**Set the padding on the top** Set the padding to 5px on the top
`padding-right: 2px`	**Set the padding on the right** Set the padding to 2px on the right
`padding-bottom: 3px`	**Set the padding on the bottom** Set the padding to 3px on the bottom
`padding-left: 1px`	**Set the padding on the left** Set the padding to 1px on the left

Border
The divider between the padding of an element and its margin

`border: 5px solid black`	**Set the border-width, border-style, and border-color** Set the border to a 5px wide solid black line
`border-width: 3px`	**Set the border line width** Set the border width to 3px
`border-style: dashed`	**Set the border line style** Set the border style to a dashed line
`border-color: red`	**Set the border line color** Set the border line color to red

Margin
The space between two different elements
The margin of elements can collapse meaning only the largest margin will be used to space out elements

`margin: 5px`	**Set the margin on all sides** Set the margin to 5px on all sides
`margin: 5px 3px`	**Set the margin on the horizontal and vertical axis** Set the margin to 5px on the top and bottom and 3px on the left and right
`margin: 5px 2px 3px`	**Set the margin on the top side, horizontal axis, and bottom side** Set the margin to 5px on the top, 2px on the left and right, and 3px on the bottom
`margin: 5px 2px 3px 1px`	**Set the margin on the top, right, bottom, and left** Set the margin to 5px on the top, 2px on the right, 3px on the bottom, and 1px on the left
`margin-top: 5px`	**Set the margin on the top** Set the margin to 5px on the top
`margin-right: 2px`	**Set the margin on the right** Set the margin to 2px on the right
`margin-bottom: 3px`	**Set the margin on the bottom** Set the margin to 3px on the bottom
`margin-left: 1px`	**Set the margin on the left** Set the margin to 1px on the left

Box Sizing
Determines how the size of the content of an element is calculated when a width/height is given

`box-sizing: content-box`	**The width and height properties of an element specify the exact size of the content of the element and do not include the border, padding, or margin** This is the default value in CSS. If an element has a width of 50px and a padding of 10px on all sides then the element will be a total of 70px (50px from the content width and 10px from both the left and right side padding). This is somewhat conterintuitive which is why I generally recommend not using content-box.
`box-sizing: border-box`	**The width and height properties of an element contain the content, padding, and border, but not the margin.** If an element has a width of 50px and a padding of 10px on all sides then the element will be a total of 50px. The content portion of the element will only be 30px wide, though, since that is the remaining space after the 10px of padding are applied to This makes sizing elements much easier which is why I generally recommend always using border-box.

Display
Determines how an element is laid out on a page

`display: block`	**Elements will span the entire width of their container and begin on a new line after the previous content** Block elements by default will be on their own line and push everything else onto the next line. Block elements also can have a specific width or height set.
`display: inline`	**Elements will take up only the amount of space needed to fit the content inside them** Inline elements by default will not take up any more space than they need to. Inline elements also **cannot** have a specific width or height set since their size is based on the size of the content in them.
`display: inline-block`	**Elements will take up only the amount of space needed to fit the content inside them, but a manual width or height can be set** Inline block elements by default will not take up any more space than they need to. Inline block elements also can have a specific width or height set which overrides the default size of the element.