

# What is CSS?

CSS stands for Cascading Style Sheets and is the language used to style an HTML document

It is a stylesheet language and not a programming language

With CSS you control the layout of the webpage, the spacing between elements, what color the text should be in and so on

Select HTML elements and apply styles

How do I select an HTML element?

How do I style that selected element?

# How to add CSS?

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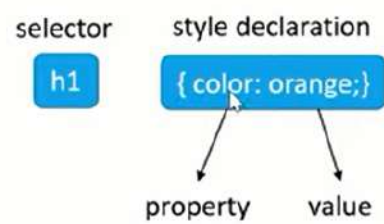
Inline styles

Internal stylesheet

External stylesheet

# CSS Rule Syntax

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# CSS Selectors

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Element

Universal

Class

Id



# CSS Box Model

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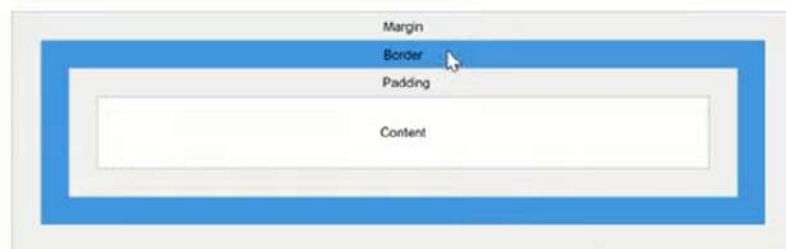
In web design, every element is considered a rectangular box

The CSS box model is sort of a standard by which browsers render HTML elements

The box model consists of 4 parts - margins, borders, padding, and the actual content

# CSS Box Model

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# Cascade

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When two rules apply that have equal specificity, the one that comes last in the CSS is the one that will be used

# Specificity

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Specificity is how the browser decides which rule applies if multiple rules have different selectors but apply to the same element



# Inheritance

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Some CSS property values set on parent elements are inherited by their child elements, and some aren't

# CSS Units

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Absolute units are generally considered to always be the same size

Unit	Name	Equivalent to
cm	Centimeters	1cm = 37.8px = 25.2/64in
mm	Millimeters	1mm = 1/10th of 1cm
Q	Quarter-millimeters	1Q = 1/40th of 1cm
in	Inches	1in = 2.54cm = 96px
pc	Picas	1pc = 1/6th of 1in
pt	Points	1pt = 1/72th of 1in
px	Pixels	1px = 1/96th of 1in

# CSS Units

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Relative units on the other hand are relative to something else, perhaps the size of the parent element's font, or the size of the viewport

Unit	Relative to
em	Font size of the parent, in the case of typographical properties like <a href="#">font-size</a> , and font size of the element itself, in the case of other properties like <a href="#">width</a> .
ex	x-height of the element's font.
ch	The advance measure (width) of the glyph "0" of the element's font.
rem	Font size of the root element.
lh	Line height of the element.
vw	1% of the viewport's width.
vh	1% of the viewport's height.
vmin	1% of the viewport's smaller dimension.
vmax	1% of the viewport's larger dimension.