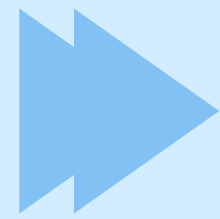


# CSS: THE LANGUAGE OF WEB DESIGN

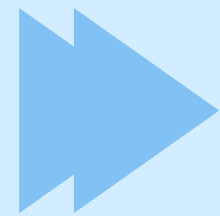
Cascading Style Sheets Fundamentals



# OBJECTIVES



Selectors: Target specific HTML elements using element names, classes, or IDs. For example, use `.classname` to style all elements with that class, or `#idname` for unique elements.



Properties: Define the visual styling rules applied to selected elements. Common properties include color, font-size, margin, padding, and background-color to control appearance.

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# CSS SYNTAX

Select the HTML element you want to style using selectors. This can be an element type (like `p` or `h1`), a class (`.classname`), an ID (`#idname`), or more complex combinations.

Define the property you want to change. CSS offers hundreds of properties like `color`, `font-size`, `margin`, `padding`, `background`, and `display` that control different aspects of appearance.

Set the value for your chosen property. Values vary by property—colors can be names or hex codes, sizes use units like `px` or `em`, and some properties have keyword values like `block` or `flex`.

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# APPROACH



**Flexbox Layout:** Perfect for one-dimensional layouts, Flexbox allows you to align and distribute space among items in a container. Use it for navigation bars, card rows, or centering content vertically and horizontally with ease.

**CSS Grid Layout:** Ideal for two-dimensional layouts, Grid gives you precise control over rows and columns simultaneously. Create complex page layouts, image galleries, and responsive designs with minimal code.

# BEST PRACTICES



Organize Stylesheets Logically: Structure your CSS files with a clear hierarchy. Group related styles together, use consistent ordering (e.g., positioning, box model, typography), and separate concerns into multiple files for larger projects.



Use Meaningful Class Names: Choose descriptive, semantic class names that reflect the element's purpose rather than its appearance. Follow naming conventions like BEM (Block Element Modifier) to create scalable and maintainable code.

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# START STYLING TODAY!

Practice makes perfect in CSS

