

CSS3 (Cascading Style Sheets Level 3)

CSS3 is the latest evolution of the Cascading Style Sheets language used for describing the presentation of a document written in HTML or XML. It brings a lot of new features and capabilities to web design and development, including:

1. **Selectors**: Advanced selectors such as attribute selectors, pseudo-classes, and pseudo-elements.
2. **Box Model**: Enhanced control over layout and box properties, including box-sizing, shadows, and rounded corners.
3. **Backgrounds and Borders**: Multiple backgrounds, background size, gradients, border images, and more.
4. **Text Effects**: New properties for text shadows, word wrapping, overflow, and text transformation.
5. **Animations and Transitions**: Keyframes for animations, and transition properties to animate changes in CSS properties.
6. **Transforms**: 2D and 3D transformations, such as rotations, scaling, and translations.
7. **Flexbox**: A new layout mode for arranging elements in a container, providing more efficient ways to lay out, align, and distribute space among items.
8. **Grid Layout**: A powerful layout system for creating complex web layouts using rows and columns.
9. **Media Queries**: Techniques for applying styles based on the characteristics of the user's device, such as screen size or orientation, enabling responsive web design.
10. **User Interface**: Properties for user interface enhancements, such as resizing elements, box alignment, and handling overflow content.

CSS3 is designed to be modular, meaning it is composed of different modules that are developed and updated independently. This modular approach allows for faster development and adoption of new features, as each module can progress at its own pace.