

Syntax and Selectors

Action	Description	Example Snippet
Class selectors	Select elements with a specific class attribute.	<code>.example { color: red; }</code>
ID selectors	Select an element with a specific ID attribute.	<code>#example { color: blue; }</code>
Group of CSS selectors	Apply the same styles to multiple selectors.	<code>h1, h2, p { margin: 0; }</code>
Selector chaining	Combine selectors to target elements with multiple criteria.	<code>p.example { color: green; }</code>
CSS type selectors	Select all elements of a given type.	<code>p { font-size: 16px; }</code>
CSS Class selectors	Select all elements with a specific class attribute.	<code>.btn { background-color: blue; }</code>
HTML attributes with multiple values	Select elements with specific attribute values.	<code>input[type="text"] { border: 1px solid black; }</code>
Selector specificity	Determine which selectors take precedence based on hierarchy.	<code>#example { color: black; } .example { color: white; }</code>
CSS descendant selector	Select elements that are descendants of another element.	<code>div p { color: purple; }</code>
Link element	Link CSS stylesheets to HTML files.	<code><link rel="stylesheet" href="styles.css"></code>
Write CSS in separate files	Write CSS in separate files to maintain clean HTML.	<code>styles.css — <link rel="stylesheet" href="styles.css"></code>
Write CSS in HTML file	Embed CSS directly within HTML using the <code><style></code> tag.	<code><style> p { color: red; } </style></code>
Inline styles	Apply styles directly within HTML elements using the <code>style</code> attribute.	<code><p style="color: red;">Hello</p></code>
Separating HTML code from CSS code	Maintain a clean separation by linking external CSS files to HTML.	<code><link rel="stylesheet" href="styles.css"></code>

Visual Rules

Action	Description	Example Snippet
CSS declarations	Define styles using property-value pairs.	<code>p { color: red; font-size: 14px; }</code>
Font size	Set the size of the font.	<code>p { font-size: 16px; }</code>
Background size	Define how background images are scaled and positioned.	<code>body { background-size: cover; }</code>
Important rule	Apply higher specificity to a property value, overriding other declarations.	<code>p { color: red !important; }</code>
Opacity	Set the transparency level of an element.	<code>div { opacity: 0.5; }</code>
Font weight	Define the thickness of text.	<code>p { font-weight: bold; }</code>
Text align	Set the horizontal alignment of text.	<code>p { text-align: center; }</code>
CSS rule set	Group declarations that apply to a set of selectors.	<code>h1, p { margin: 0; color: black; }</code>
Setting foreground text color in CSS	Define the color of the text.	<code>p { color: blue; }</code>
Resource URLs	Specify external resources like images and fonts.	<code>background-image: url('image.png');</code>
Background image	Set an image as the background of an element.	<code>body { background-image: url('background.jpg'); }</code>
Font family	Define the font or list of fonts for text content.	<code>p { font-family: Arial, sans-serif; }</code>
Color name keywords	Use color names for setting text or background colors.	<code>p { color: red; }</code>

Display and Positioning

Action	Description	Example Snippet
Z-index property	Specify the stack order of elements.	<code>div { z-index: 2; }</code>
Fixed CSS positioning	Position elements relative to the browser window.	<code>div { position: fixed; top: 0; }</code>
CSS display property	Define how an element is displayed.	<code>div { display: block; }</code>
CSS position: absolute	Position elements relative to their nearest positioned ancestor.	<code>div { position: absolute; top: 50px; }</code>
CSS position: relative	Position elements relative to their normal position.	<code>div { position: relative; left: 20px; }</code>
CSS float property	Float elements to the left or right within a container.	<code>img { float: left; }</code>
The CSS clear property	Prevent elements from wrapping around floated elements.	<code>div { clear: both; }</code>
Z-index property	Specify the stack order of elements.	<code>div { z-index: 2; }</code>

Typography

Action	Description	Example Snippet
CSS linking fonts	Link to external font libraries like Google Fonts.	<code><link href="https://fonts.googleapis.com/css?family=Roboto" rel="stylesheet"></code>
CSS font weight property	Set the thickness of fonts.	<code>p { font-weight: 700; }</code>
CSS line-height property	Set the spacing between lines of text.	<code>p { line-height: 1.5; }</code>
CSS fallback fonts	Specify backup fonts in case the preferred font is unavailable.	<code>p { font-family: 'Roboto', sans-serif; }</code>
CSS @font-face rule	Define custom fonts to be loaded with your web pages.	<code>@font-face { font-family: 'MyFont'; src: url('myfont.woff2'); }</code>
CSS font-style property	Set the style of the text (e.g., normal, italic, oblique).	<code>p { font-style: italic; }</code>

Box Properties

Action	Description	Example Snippet
Box-sizing	Define how the total width and height of an element is calculated.	<code>div { box-sizing: content-box; }</code>
Box-sizing: border-box	Include padding and border in the element's total width and height.	<code>div { box-sizing: border-box; }</code>
Padding	Define space inside the element between its content and border.	<code>div { padding: 20px; }</code>
CSS margin collapse	Manage how margins between elements interact.	<code>p { margin: 10px; }</code>
CSS auto keyword	Let the browser calculate appropriate values for specified properties.	<code>div { margin: 0 auto; }</code>
Overflow	Control what happens to content that is too big for its container.	<code>div { overflow: hidden; }</code>
Height and width maximums and minimums	Set the minimum and maximum width and height of elements.	<code>div { max-width: 100px; min-height: 50px; }</code>
Visibility property	Control the visibility of elements.	<code>div { visibility: hidden; }</code>

Colors

Action	Description	Example Snippet
CSS color alpha values	Define colors with transparency using RGBA.	<code>p { color: rgba(255, 0, 0, 0.5); }</code>
CSS hexadecimal colors	Use hexadecimal values for precise color definitions.	<code>p { color: #ff0000; }</code>
CSS HSL colors	Define colors using Hue, Saturation, Lightness values.	<code>p { color: hsl(0, 100%, 50%); }</code>
CSS rgb colors	Define colors using RGB values.	<code>p { color: rgb(255, 0, 0); }</code>
Color name keywords	Use predefined color names.	<code>p { color: red; }</code>