

# CSS Styling Guide for Calculator

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This document describes the CSS styling that should be implemented in the "style.css" file for the Simple Calculator project.

Each section explains the purpose of the styles and how they contribute to the overall user interface.

## 1. Universal Selector (\*)

Applies basic resets to all elements:

- Removes default margin and padding from all elements.
- Sets box-sizing to border-box to ensure padding and border are included in width/height.

## 2. Body Styling

Centers the calculator in the viewport:

- Uses Flexbox to center content both vertically and horizontally.
- Sets height to 100vh to make it occupy the full viewport height.
- Sets a light background color as "#f4f4f4" and font as "Arial, sans-serif".

## 3. Calculator Container (.calculator)

Styles the main calculator box:

- Fixed width of 320px for consistent size.
- White background as "#fff", rounded corners as "10px", and padding as "20px" for clean layout.
- Subtle box shadow as "0 4px 10px rgba(0, 0, 0, 0.1)" for a lifted appearance.

## 4. Input Field Styling (input)

Styles the display area of the calculator:

- Full width with fixed height as "50px".
- Right-aligned text and large font size as "24px" for readability and margin bottom as "20px".
- Padding as "10px", border as "1px solid #ccc" and border-radius as "5px" for improved UX.
- Light background as "#f9f9f9" to differentiate it from buttons.

## 5. Buttons Grid (.buttons)

Defines the grid layout for the calculator buttons:

- Uses CSS Grid with 4 equal columns.
- Adds consistent as “10px” spacing between buttons using gap.

## 6. Button Styling (button)

Styles all calculator buttons:

- Uniform height as “60px” and font size as “20px”.
- Light background as “#f0f0f0” and no borders.
- Rounded corners as “10px” and pointer cursor.
- Smooth transition as “background-color 0.3s” effect for hover state.

## 7. Button Hover and Active States

Enhances interactivity with visual feedback:

- Hover: slightly darker background as “#ddd”.
- Active (pressed): even darker background as “#ccc”.