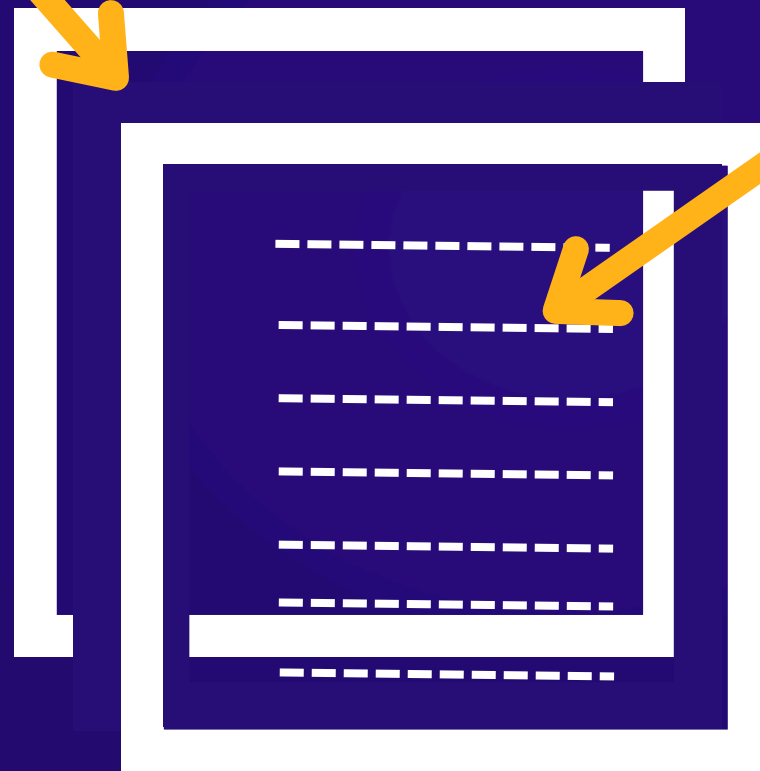


# Introduction to CSS Properties

BY YUSRA SALEEM

Background



Foreground





# CSS BACKGROUND PROPERTY



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- **Definition:** The background property is used to set the background of an element.
  - **Sub-properties:**
    1. **background-color:** Sets the background color of an element.
      - **Values:** color names (e.g., red), HEX values (e.g., #ff0000), RGB values (e.g., rgb(255, 0, 0)).
    2. **background-image:** Sets an image as the background.
      - **Values:** URL (e.g., url('image.jpg')), none.
    3. **background-repeat:** Defines how the background image repeats.
      - **Values:** repeat, repeat-x, repeat-y, no-repeat.
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1. **background-position:** Sets the initial position of the background image.

- **Values:** top, bottom, left, right, center, or coordinates (e.g., 50px 100px).

2. **background-size:** Specifies the size of the background image.

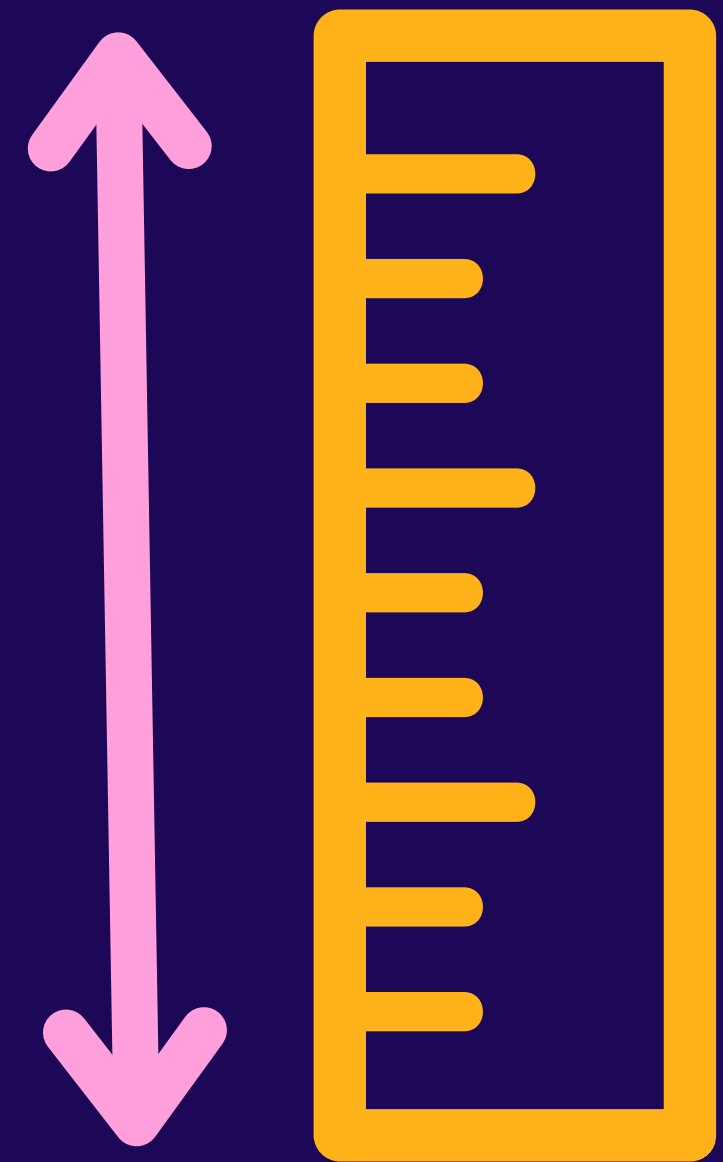
- **Values:** auto, cover, contain, specific width and height (e.g., 100px 200px).

3. **background-attachment:** Determines whether the background image scrolls with the page.

- **Values:** scroll, fixed.

# HEIGHT PROPERTY

- **Definition:** The height property is used to set the height of an element.
- **Values:**
  1. **Auto:** Automatically adjusts to the content (default value).
  2. **Length Units:**
    - Pixels (e.g., 100px),
    - Percentages (e.g., 50%),
    - Viewport height (e.g., 50vh).
    - rem(e





# COMMON UNITS

## 1. Pixels (px):

- **Fixed unit:** Represents a specific number of screen pixels.
- **Conversion:** No direct conversion; dependent on screen resolution.

## 2. Em (em)

- **Relative unit:** Based on the element's font size.
- **Conversion:** 1em = Element's font size (e.g., 20px font size = 1em = 20px).

## 3. Rem (rem)

- **Root-relative unit:** Based on the root element's font size.
  - **Conversion:** 1rem = Root element's font size (e.g., 16px = 1rem = 16px).
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# COMMON UNITS

## 4. Percentages (%)

- **Relative unit:** Based on the parent element's size.
- **Conversion:** Percentage of the parent element (e.g., 50% of 200px = 100px).

## 5. Viewport Width (vw)

- **Relative to viewport width:** 1vw = 1% of the viewport's width.
- **Conversion:** Depends on the viewport size (e.g., 1000px width = 1vw = 10px).

## 6. Viewport Height (vh)

- **Relative to viewport height:** 1vh = 1% of the viewport's height.
- **Conversion:** Depends on the viewport size (e.g., 800px height = 1vh = 8px).

# WIDTH PROPERTY

- **Definition:** The width property sets the width of an element.
- **Values:**
  1. **Auto:** Automatically adjusts to the content (default value).
  2. **Length Units:**
    - Pixels (e.g., 100px),
    - Percentages (e.g., 50%),
    - Viewport width (e.g., 50vw).





# BORDER PRPPERTY

The border property sets the border around an element.

- **Sub-properties:**

a. **border-width:** Specifies the width of the border.

- **Values:** thin, medium, thick, or specific length (e.g., 2px).

b. **border-style:** Defines the style of the border.

- **Values:** none, solid, dashed, dotted, double, groove, ridge, inset, outset

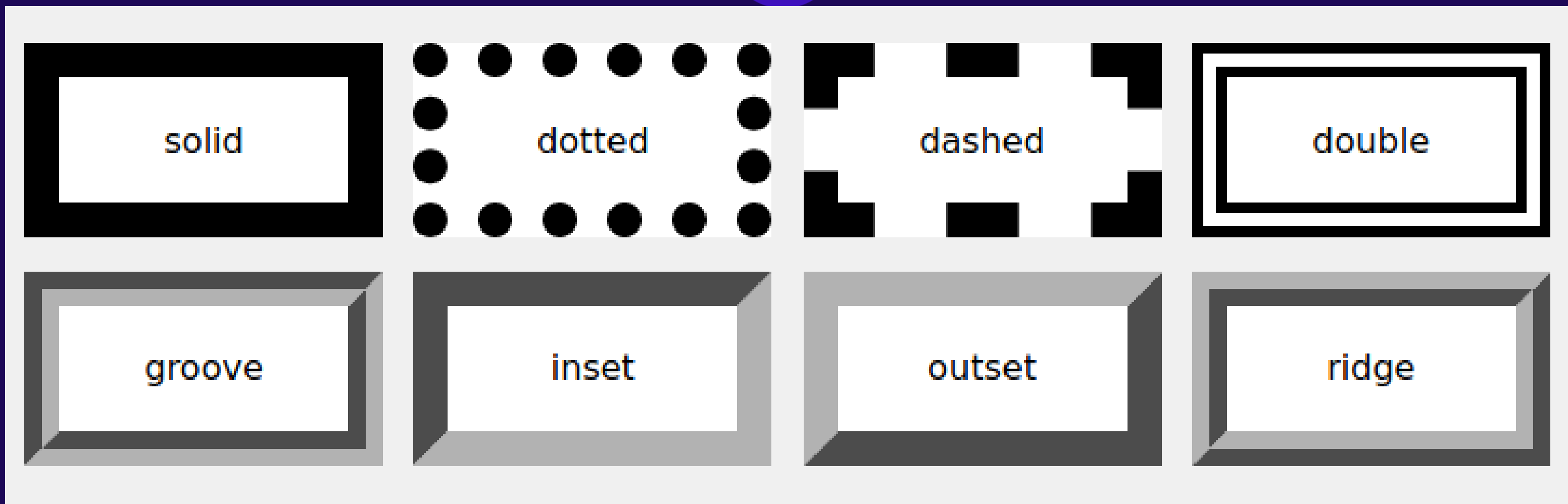
c. **border-color:** Sets the color of the border.

- **Values:** color name, HEX values , RGB values .

d. **border-radius:** Rounds the corners of the border.

- **Values:** specific length (e.g., 10px), percentage (e.g., 50%).







Thanks!