Tailwind CSS Cheat Sheet By - *Mohd Rizwan Khan*

1. Text Utilities

- `text-left`: Aligns text to the left.
- `text-center`: Aligns text to the center.
- `text-right`: Aligns text to the right.
- `text-justify`: Justifies text.
- `font-bold`: Makes text bold.
- `font-medium`: Applies a medium font weight.
- `font-light`: Applies a light font weight.
- `italic`: Applies italic styling to text.
- `uppercase`: Transforms text to uppercase.
- `text-xs`: Sets text size to extra small.
- `text-sm`: Sets text size to small.
- `text-base`: Sets text size to base (default).
- `text-lg`: Sets text size to large.
- `text-xl`: Sets text size to extra-large.
- `text-2xl`: Sets text size to 2x large.
- `text-red-500`: Sets text color to red (500 shade).
- `text-blue-500`: Sets text color to blue (500 shade).
- `text-gray-800`: Sets text color to dark gray.

Example-

<div class="text-left font-bold text-xl text-red-500 uppercase italic">

Aligned left, bold, large, red, uppercase, and italic.</div>

2. Background Utilities

- `bg-white`: Sets background color to white.
- `bg-black`: Sets background color to black.
- `bg-gray-200`: Sets background color to light gray.
- `bg-red-500`: Sets background color to red (500 shade).
- `bg-blue-500`: Sets background color to blue (500 shade).
- `bg-opacity-50`: Sets background opacity to 50%.
- `bg-gradient-to-r`: Creates a background gradient from left to right.
- `bg-gradient-to-b`: Creates a background gradient from top to bottom.

Example-

<div class="bg-white p-4">This background is white.</div>

3. Flexbox Utilities

- `flex`: Applies a flex container.
- `inline-flex`: Applies an inline flex container.
- `flex-row`: Arranges items in a horizontal row.
- `flex-col`: Arranges items in a vertical column.
- `flex-wrap`: Allows flex items to wrap.
- `items-center`: Aligns items to the center along the cross-axis.
- `items-start`: Aligns items to the start of the cross-axis.
- `items-end`: Aligns items to the end of the cross-axis.
- `justify-center`: Justifies content in the center along the main axis.
- `justify-start`: Justifies content to the start along the main axis.
- `justify-end`: Justifies content to the end along the main axis.
- `justify-between`: Justifies content with space between items.
- `gap-2`: Sets a small gap between flex items.
- `gap-4`: Sets a larger gap between flex items.

Example-

`<div class="flex-1 gap-4">Item 1</div>`

4. Grid Utilities

- `grid`: Applies a grid container.
- `grid-cols-1`: Sets grid with 1 column.
- `grid-cols-2`: Sets grid with 2 columns.
- `grid-cols-3`: Sets grid with 3 columns.
- `gap-2`: Sets a small gap between grid items.
- `gap-4`: Sets a larger gap between grid items.
- `place-items-center`: Centers items in both axes.
- `place-items-start`: Aligns items to the start in both axes.
- `place-items-end`: Aligns items to the end in both axes.

Example-

`<div class="grid grid-cols-2 gap-4"> Grid Utilities </div>`

5. Spacing Utilities

- `p-0`: Sets padding to 0.
- `p-2`: Sets padding to small value.
- `p-4`: Sets padding to medium value.
- `px-4`: Sets horizontal padding to 4 units.
- `py-2`: Sets vertical padding to 2 units.

- `m-0`: Sets margin to 0.
- `m-2`: Sets margin to small value.
- `m-4`: Sets margin to medium value.
- `mx-4`: Sets horizontal margin to 4 units.
- `my-2`: Sets vertical margin to 2 units.
- `space-x-2`: Sets horizontal spacing between items.
- `space-y-4`: Sets vertical spacing between items.

Example-

`<div class="m-2">Small margin</div>`

6. Borders & Radius Utilities

- `border`: Applies a border to an element.
- `border-0`: Removes the border.
- `border-2`: Sets a 2px border.
- `border-4`: Sets a 4px border.
- `border-gray-300`: Sets border color to gray (300 shade).
- `rounded`: Applies a small border radius (rounded corners).
- `rounded-full`: Makes the element fully rounded (e.g., circles).
- `rounded-lg`: Applies a large border radius.
- `border-dashed`: Applies a dashed border style.
- `border-solid`: Applies a solid border style.

Example-

`<div class="rounded-lg bg-gray-200 p-4">Large rounded corners.</div>`

7. Positioning Utilities

- `relative`: Sets an element's position to relative.
- `absolute`: Sets an element's position to absolute.
- `fixed`: Sets an element's position to fixed.
- `sticky`: Sets an element's position to sticky.
- `top-0`: Positions an element at the top of its container.
- `right-0`: Positions an element at the right of its container.
- `left-0`: Positions an element at the left of its container.
- `bottom-0`: Positions an element at the bottom of its container.
- `z-0`: Sets the z-index to 0.
- `z-10`: Sets the z-index to 10.
- `z-50`: Sets the z-index to 50.

Example-

<div class="absolute top-0 right-0">This element is absolute positioned.</div>

8. Transition & Animation Utilities

- **transition**: Applies a transition effect.
- **transition-all**: Applies transition to all properties.
- **transition-colors**: Applies transition effect on color changes.
- **transition-opacity**: Applies transition effect on opacity changes.
- **duration-75**: Sets transition duration to 75ms.
- **duration-150**: Sets transition duration to 150ms.
- **ease-in**: Applies an easing function for a slow start.
- **ease-out**: Applies an easing function for a slow end.
- **ease-in-out**: Applies an easing function for both start and end.

Example-

<div class="transition duration-300 ease-in-out hover:bg-blue-500">

 Hover over me to see the transition </div>

9. Transforms

- **transform**: Enables transformation for the element.
- **scale-50**: Scales the element to 50% of its original size.
- **scale-100**: Scales the element to its original size (default).
- **rotate-45**: Rotates the element by 45 degrees.
- **rotate-90**: Rotates the element by 90 degrees.
- **translate-x-0**: Translates the element by 0 units along the x-axis.
- **translate-x-4**: Translates the element by 4 units along the x-axis.
- **translate-y-0**: Translates the element by 0 units along the y-axis.
- **translate-y-4**: Translates the element by 4 units along the y-axis.
- **skew-x-12**: Skews the element by 12 degrees along the x-axis.
- **skew-y-12**: Skews the element by 12 degrees along the y-axis.

Example-

<div class="transform rotate-45"> This element is rotated by 45 degrees.</div>

10. Hover Effects

- `hover:bg-blue-500`: Changes background color to blue on hover.
- `hover:text-white`: Changes text color to white on hover.
- `hover:opacity-75`: Changes opacity to 75% on hover.
- `hover:scale-110`: Scales the element by 110% on hover.
- `hover:shadow-lg`: Applies a large shadow effect on hover.
- `hover:border-red-500`: Changes border color to red on hover.

Example-

```
<div class="hover:bg-blue-500 p-4">Hover me to change the background to blue.</div>
```

11. Responsive Utilities

- `sm:`: Applies styles on small screen sizes (min-width: 640px).
- `md:`: Applies styles on medium screen sizes (min-width: 768px).
- `lg:`: Applies styles on large screen sizes (min-width: 1024px).
- `xl:`: Applies styles on extra-large screen sizes (min-width: 1280px).
- `2xl:`: Applies styles on 2x extra-large screen sizes (min-width: 1536px).

Example-

```
<div class="sm:bg-green-500">Background changes on small screens</div>
```