

# PROSENSIA SMC-PVT LTD

## CSS SELECTORS COLOUR

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## 1. Selectors:

Selectors are used in CSS to target HTML elements and apply styles to them.

Universal selector (targets all elements)

body, header, nav ul – Element selectors

main-content, .typography-demo – Class selectors

nav ul li a:hover – Pseudo-class selector for hover effect

## 2. Colors:

Different color formats are used:

#005f73 – Hexadecimal color

rgba(0,0,0,0.1) – RGB with transparency

hsl(210, 10%, 25%) – Hue, Saturation, Lightness model

## 3. Units:

Various CSS units define spacing and sizing:

px – Pixels (fixed size)

rem – Relative to the root element (for scalable design)

% – Relative to parent element

vh, vw – Viewport height and width

## 4. Typography:

Typography controls the appearance of text:

font-family – Specifies text style (e.g., Segoe UI, Tahoma)

font-size – Sets the size of text using rem or px

font-weight – Controls boldness (e.g., 700)

## CODE:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Professional Styling Example</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
    }

    body {
      font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
      line-height: 1.6;
      background-color: #f4f4f4;
      padding: 20px;
    }

    header {
      background-image: linear-gradient(to bottom, #005f73, #023047);
      color: white;
      padding: 2rem;
      text-align: center;
      border-radius: 10px;
    }

    header h1 {
      font-size: 2.5rem;
      text-shadow: 0 2px 4px rgba(0,0,0,0.2);
    }

    nav ul {
      display: flex;
      justify-content: center;
      list-style: none;
      margin-top: 1rem;
    }

    nav ul li {
      margin: 0 1rem;
    }

    nav ul li a {
      text-decoration: none;
      font-weight: bold;
      transition: opacity 0.3s ease;
      color: white;
    }
  </style>
</head>
<body>
  <div>
    <div>
      <h1>Professional Styling</h1>
    </div>
    <div>
      <ul>
        <li><a href="#home">Home</a></li>
        <li><a href="#about">About</a></li>
        <li><a href="#services">Services</a></li>
        <li><a href="#contact">Contact</a></li>
      </ul>
    </div>
  </div>
</body>
</html>
```

```
nav ul li a:hover {
    opacity: 0.8;
}

.main-content {
    background-color: white;
    padding: 2rem;
    margin-top: 2rem;
    border-radius: 10px;
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);
}

.main-content h2 {
    font-size: 1.8rem;
    margin-bottom: 1rem;
}

.main-content p {
    font-size: 1rem;
    margin-bottom: 1.2rem;
}

.typography-demo {
    font-size: 1.1rem;
}

.typography-demo strong {
    font-weight: 700;
}

.typography-demo em {
    font-style: italic;
}

footer {
    text-align: center;
    margin-top: 3rem;
    font-size: 0.9rem;
    color: #666;
}

@media (max-width: 768px) {
    header h1 {
        font-size: 2rem;
    }

    .main-content {
        padding: 1rem;
    }
}
</style>
</head>
```

```

<body>
  <header>
    <h1>Welcome to My Styled Page</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">Services</a></li>
        <li><a href="#">About</a></li>
      </ul>
    </nav>
  </header>
  <section class="main-content">
    <h2>WELCOME TO FRONT END WEBSITE</h2>
    <p>This is an example of front end website which consist HTML and CSS.</p>
    <div class="typography-demo">
      <p><strong>Bold Text:</strong> Useful for emphasis.</p>
      <p><em>Italic Text:</em> Often used for quotes or special phrases.</p>
      <p>Font sizes and layout are set using relative units like
<code>rem</code>, <code>em</code>, and percentages for better scalability.</p>
    </div>
  </section>
  <footer>
    &copy; 2025 Professional Page Example. All rights reserved.
  </footer>
</body>
</html>

```

## OUTPUT:

