
CSS Dasar

Intelligo.id

Apa itu CSS?

Cascading Style Sheet atau yang dikenal dengan singkatan CSS merupakan bahasa desain yang digunakan untuk mengatur visualisasi dari HTML.

CSS



Keuntungan menerapkan CSS



- Tampilan lebih menarik
- Mengatur layout agar lebih presisi
- Menghindari penerapan styling secara berulang-ulang

Aturan styling

selector declaration

p { color: black; }

property value

Cara menerapkan CSS (1)

External Style Sheet

```
<head>
  <title>Example Title</title>
  <link rel="stylesheet" href="style.css">
</head>
```

```
<head>
  <title>Example Title</title>
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css">
</head>
```

Cara menerapkan CSS (2)

Embedded Style Sheet



```
<head>
  <title>Example Title</title>
  <style>
    /*
     * aturan styling dituliskan di sini
     */
    p {
      color: black;
    }
  </style>
</head>
```

Cara menerapkan CSS (3)

Inline Style



```
<h1 style="color: black; font-weight:  
bold;">Intelligo.id</h1>
```

Sifat-sifat CSS (1)

Pewarisan

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body style="color: red;">
    <p>Intelligo.id</p>
  </body>
</html>
```

Intelligo.id

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body>
    <p>Intelligo.id</p>
  </body>
</html>
```

Intelligo.id

Sifat-sifat CSS (2)

Pengelompokan

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      h1, h2 {
        color: blue;
      }
    </style>
  </head>
  <body>
    <h1>Intelligo.id</h1>
    <h2>Keren</h2>
  </body>
</html>
```

Intelligo.id

Keren

Berurutan

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      p {
        color: blue;
      }
      p {
        color: red;
      }
    </style>
  </head>
  <body>
    <p>Intelligo.id</p>
  </body>
</html>
```

Intelligo.id

Macam-macam selector (1)

Type Selector

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      p {
        color: blue;
      }
    </style>
  </head>
  <body>
    <p>Intelligo.id</p>
    <p>Keren</p>
  </body>
</html>
```

Intelligo.id

Keren

Class Selector

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      .blue {
        color: blue;
      }
    </style>
  </head>
  <body>
    <p class="blue">Intelligo.id</p>
    <p>Keren</p>
    <h1 class="blue">Banget</h1>
  </body>
</html>
```

Intelligo.id

Keren

Banget

Macam-macam selector (2)

ID Selector

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      #title {
        color: blue;
      }
    </style>
  </head>
  <body>
    <div id="title">
      <h1>Intelligo.id</h1>
    </div>
    <p>This is a description.</p>
  </body>
</html>
```

Intelligo.id

This is a description.

Universal Selector

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      * {
        color: red;
      }
      *.description {
        background-color: blue;
      }
      *#title {
        background-color: yellow;
      }
    </style>
  </head>
  <body>
    <div id="title">
      <h1>Intelligo.id</h1>
    </div>
    <p class="description">This is a description.
  </p>
  </body>
</html>
```

Intelligo.id

This is a description.

Color

Numeric Value

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body>
    <p style="color:rgb(57, 175, 136)">Intelligo.id</p>
    <p style="color: #FFF000">Intelligo.id</p>
    <p style="color: hsl(0, 100%, 50%);">Intelligo.id</p>
  </body>
</html>
```

Intelligo.id

Intelligo.id

Intelligo.id

Predefined Color Name

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body>
    <p style="color: green;">Intelligo.id</p>
    <p style="color: yellow;">Intelligo.id</p>
    <p style="color: red;">Intelligo.id</p>
  </body>
</html>
```

Intelligo.id

Intelligo.id

Intelligo.id

Font styling

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body>
    <p style="font-family: sans-serif;">font-family: sans-serif</p>
    <p style="font-size: 2em;">font-size: 2em</p>
    <p style="font-weight: bold;">font-weight: bold</p>
    <p style="font-style: italic;">font-style: italic</p>
    <p style="font-variant: small-caps;">font-variant: small-caps</p>
    <p style="font: italic bold small-caps 2em sans-serif;">font: style weight variant size font-family</p>
  </body>
</html>
```

- font-family
- font-size
- font-weight
- font-style
- font-variant
- font (shorthand)

font-family: sans-serif

font-size: 2em

font-weight: bold

font-style: italic

font-variant: small-caps

FONT: STYLE WEIGHT VARIANT SIZE FONT-FAMILY

Text styling

```
<html>
  <head>
    <title>Example Title</title>
  </head>
  <body>
    <p style="line-height: 1.5em;">line-height: 1.5em</p>
    <p style="line-height: 1.5em;">line-height: 1.5em</p>
    <p style="text-indent: 2em;">text-indent: 2em</p>
    <p style="text-align: center;">text-align: center</p>
  </body>
</html>
```

line-height: 1.5em

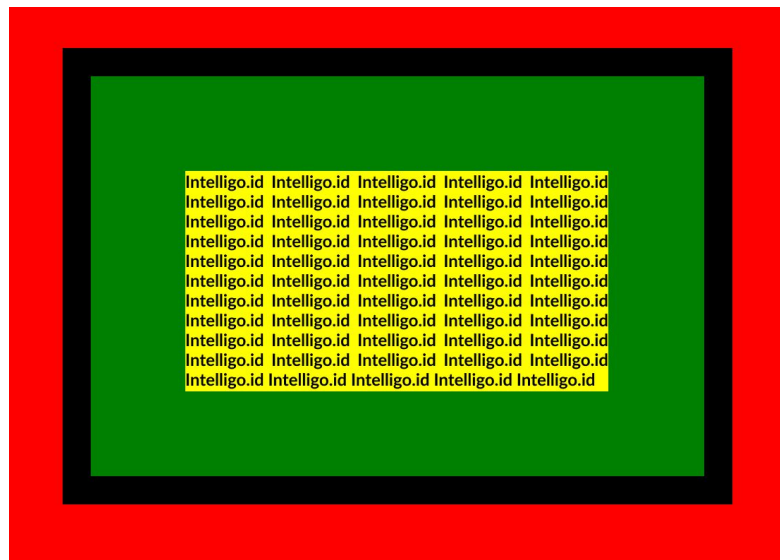
line-height: 1.5em

text-indent: 2em

text-align: center

- line-height
- text-indent
- text-align

Box Element



Margin



Padding



Content



Border

Box Dimension

```
<html>
<head>
  <title>Example Title</title>
  <style>
    .box {
      height: 300px;
      width: 300px;
      background-color: green;
    }
  </style>
</head>
<body>
  <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut
recusandae voluptate commodi? Dolorum fugit delectus quaerat
reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat
explicabo iure tenetur eos cumque, asperiores unde.</p>
  <p class="box">Lorem ipsum dolor sit amet consectetur adipisicing
elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo
ullam illum illo accusamus perferendis eius, expedita laudantium magni
eligendi architecto quasi atque esse?</p>
</body>
</html>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut recusandae voluptate commodi? Dolorum fugit delectus quaerat reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat explicabo iure tenetur eos cumque, asperiores unde.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo ullam illum illo accusamus perferendis eius, expedita laudantium magni eligendi architecto quasi atque esse?

Border

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      div {
        border-width: 20px;
        border-style: dotted;
        background-color: red;
        border-color: black;
      }
    </style>
  </head>
  <body>
    <div>
      <p>Intelligo.id</p>
    </div>
  </body>
</html>
```



Padding

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      p {
        width: 300px;
        border: 2px solid red;
      }
      p.example {
        width: 300px;
        border: 2px solid red;
        padding: 15px;
      }
    </style>
  </head>
  <body>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut recusandae voluptate commodi? Dolorum fugit delectus quaerat reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat explicabo iure tenetur eos cumque, asperiores unde.</p>
    <p class="example">Lorem ipsum dolor sit amet consectetur adipisicing elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo ullam illum illo accusamus perferendis eius, expedita laudantium magni eligendi architecto quasi atque esse?</p>
  </body>
</html>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut recusandae voluptate commodi? Dolorum fugit delectus quaerat reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat explicabo iure tenetur eos cumque, asperiores unde.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo ullam illum illo accusamus perferendis eius, expedita laudantium magni eligendi architecto quasi atque esse?

Margin

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      p {
        border: 2px solid red;
      }
      p.example {
        border: 2px solid red;
        margin: 15px;
      }
    </style>
  </head>
  <body>
    <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut recusandae voluptate commodi? Dolorum fugit delectus quaerat reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat explicabo iure tenetur eos cumque, asperiores unde.</p>
    <p class="example">Lorem ipsum dolor sit amet consectetur adipisicing elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo ullam illum illo accusamus perferendis eius, expedita laudantium magni eligendi architecto quasi atque esse?</p>
  </body>
</html>
```

Lorem ipsum dolor sit amet consectetur adipisicing elit. Aut recusandae voluptate commodi? Dolorum fugit delectus quaerat reprehenderit quibusdam perspiciatis rem eum necessitatibus placeat explicabo iure tenetur eos cumque, asperiores unde.

Lorem ipsum dolor sit amet consectetur adipisicing elit. Unde quisquam sed voluptatem ut perspiciatis repudiandae nemo ullam illum illo accusamus perferendis eius, expedita laudantium magni eligendi architecto quasi atque esse?

Display

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      li {
        display: inline;
      }
    </style>
  </head>
  <body>
    <ul>
      <li>Beranda</li>
      <li>Tentang</li>
      <li>Kontak</li>
    </ul>
  </body>
</html>
```

Beranda Tentang Kontak

Relative Positioning

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      .position {
        position: relative;
        left: 200px;
      }
    </style>
  </head>
  <body>
    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!</p>
    <p class="position">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!</p>
    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!</p>
  </body>
</html>
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Absolute Positioning

```
<html>
<head>
  <title>Example Title</title>
  <style>
    .position {
      position: absolute;
      left: 200px;
    }
  </style>
</head>
<body>
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci,
  alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat.
  Incidunt dolore aliquam recusandae optio error!</p>
  <p class="position">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus
  sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos
  minima repellat. Incidunt dolore aliquam recusandae optio error!</p>
  <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci,
  alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat.
  Incidunt dolore aliquam recusandae optio error!</p>
</body>
</html>
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!

Fixed Positioning

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      .position {
        position: fixed;
        left: 200px;
      }
    </style>
  </head>
  <body>
    <p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed
    adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure quo
    dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!</p>
    <p class="position">Lorem ipsum dolor sit amet, consectetur adipisicing elit.
    Doloribus sed adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure
    quo dignissimos minima repellat. Incidunt dolore aliquam recusandae optio error!
  </p>
```

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed
 adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure
 quo dignissimos minima repellat. Incidunt dolore aliquam recusandae
 optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed
 adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure
 quo dignissimos minima repellat. Incidunt dolore aliquam recusandae
 optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed
 adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure
 quo dignissimos minima repellat. Incidunt dolore aliquam recusandae
 optio error!

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Doloribus sed
 adipisci, alias nisi ducimus commodi porro vel magni obcaecati! Iure
 quo dignissimos minima repellat. Incidunt dolore aliquam recusandae
 optio error!

Media Query

```
<html>
  <head>
    <title>Example Title</title>
    <style>
      @media screen and (max-width: 992px) {
        p {
          color: red;
        }
      }
      @media screen and (max-width: 600px) {
        p {
          color: blue;
        }
      }
    </style>
  </head>
  <body>
    <p>Intelligo.id</p>
  </body>
</html>
```

References and cheat sheet

References

- <https://www.w3schools.com/css/>
- <https://developer.mozilla.org/en-US/docs/Learn/CSS>
- <https://www.duniailkom.com/tutorial-belajar-css-dan-index-artikel-css/>

Cheat sheets

- <https://htmlcheatsheet.com/css/>
- <https://overapi.com/css>
- <https://cssreference.io/>