

{CSS}



{ Cascading Style Sheet }

CSS

CSS - Cascading Style Sheet adalah suatu teknik penulisan kode untuk memperindah dan mempermudah dalam pengkodean HTML dengan tujuan untuk memperindah tampilan situs

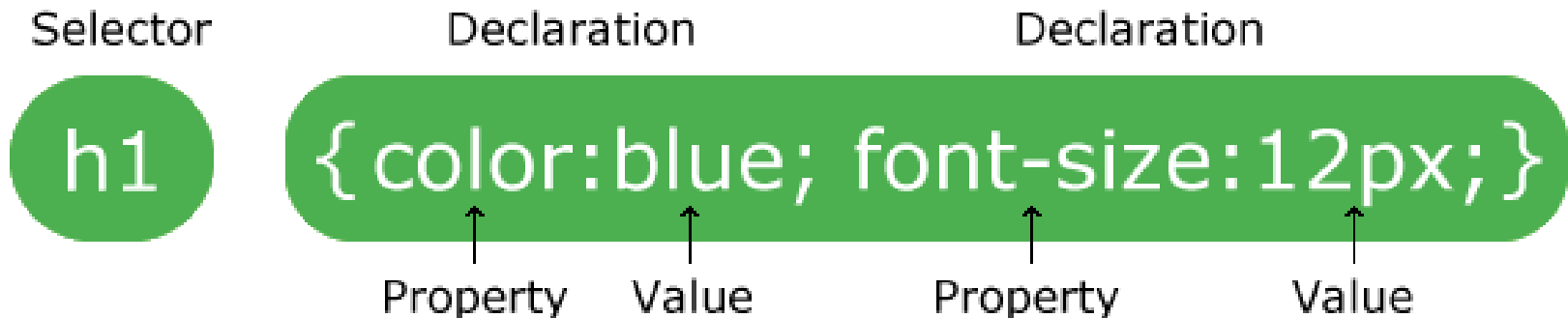
- CSS memisahkan ***presentation*** sebuah dokumen dari ***content*** dokumen itu sendiri
- CSS memudahkan **pembuatan** dan **pemeliharaan** dokumen web
- Setiap User Agent mempunyai ***default style sheet***
Pendefinisian *rule* CSS pada sebuah dokumen akan menimpa *rule* pada *default style sheet*

CSS Syntax

Style sheet didefinisikan dalam bentuk rule, terdiri dari:

Selector

Declaration : property & value



CSS Syntax

Contoh *rule* :

```
h1 { color: blue }
```

Keterangan:

- *Selector* : `h1`
- *Property* : `color`
- *Value* : `blue`

Seluruh elemen (tag) HTML dapat digunakan sebagai *selector*

Gaya penulisan CSS

1. Inline Style Sheet (di dalam elemen HTML)

```
<p style="color: green">
```

2. Embedded Style Sheet (di dalam dokumen HTML)

```
<style type="text/css">  
  h1 {color: blue}  
</style>
```

3. Linked Style Sheet (di file eksternal)

- ```
<link rel="stylesheet" type="text/css"
href="http://myblog.com/home.css">
```
- ```
<style type="text/css">  
  @import url(http://myblog.com/home.css);  
</style>
```

Isi file eksternal sama dengan kode di antara tag

```
<style> </style>
```

4. Default Style Sheet (style default dari browser)

Grouping & Inheritance

- **Grouping** (pengelompokan) :

- Selector :

```
h1, h2, h3 { font-family: arial }
```

- Declaration :

```
h1 { font-weight: bold; font-size: 14pt }
```

- Value :

```
h1 { font: bold 12pt arial }
```

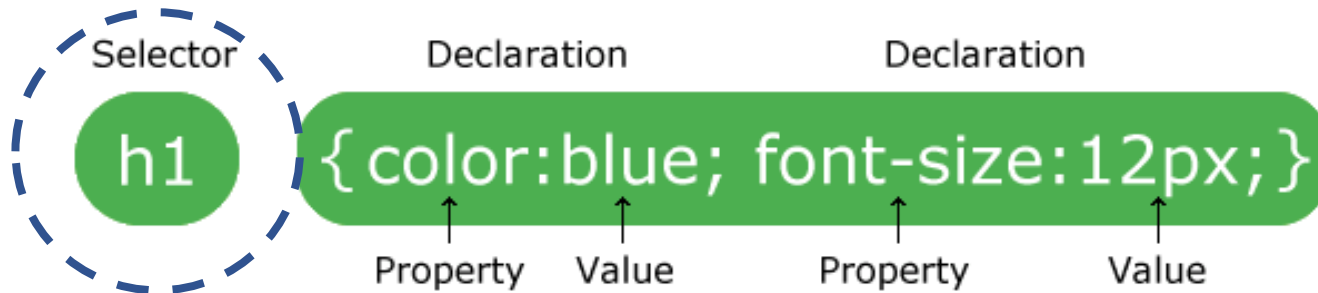
- **Inheritance** (pewarisan) :

Bila style tidak didefinisikan, maka akan digunakan definisi style dari induknya

Grouping & Inheritance

```
<!DOCTYPE html>
<html>
<head>
    <title>Inheritance</title>
</head>
<body>
    <div style="color:red">
        <h1>Warna Merah dari Inheritance
parent</h1>
    </div>
</body>
</html>
```

Type of Selector



- Tag (elemen) HTML
`div {background-color: red}`
- Class
`.gray {color: #333}`
- ID
`#gray {color: #333}`
- Kontekstual
`h1 i {color: navy}`
`div.mhs .alamat b {color: green}`

Type of Selector

```
<style>
```

```
span.blue {  
    color: blue;  
}
```

```
</style>
```

. . . .

```
<div class="blue">AUTHOR</h1>
```

```
<span class="blue">JACK SPARROW</span>
```

Type of Selector

```
<style type="text/css">
    span { color: blue; }
    div { color: blue; }
</style>
```

.....

```
<style type="text/css">
    span, div { color: blue; }
</style>
```

Pseudo Class

- Pseudo class dapat digunakan sebagai *selector* meskipun class-nya tidak terdapat di kode HTML
- Untuk menyatakan style yang digunakan jika suatu kondisi eksternal dikenakan pada elemen HTML (misalnya di-klik mouse)
- Sintaks pseudo class :

`selector:pseudo-class {property: value}`

- Anchor (<a>) pseudo class :

- `:link`
- `:visited`
- `:hover`
- `:active`
- `:focus`

- Contoh :

```
a:link      { color: red }
a:visited   { color: green }
a:hover     { color: blue }
a:active    { color: purple }
a:focus     { color: yellow }
a.mhs:link  { color: maroon }
```

Pseudo Element

- Untuk menyatakan style yang digunakan terhadap suatu kondisi tipografi, bukan struktur (misalnya baris pertama)
- Pseudo element :
 - `:first-letter`
 - `:first-line`
- Contoh :

```
p:first-letter      { font-size: 200%; float:
  left}
```

```
p:frist-line       { color: green }
```

```
h1.mhs:first-letter { font-size: 20pt }
```

CSS Properties

- Font
- Color & Background
- Text
- List
- Box Model
- Visual Formatting Model (normal & float)
- User Interface & Downloadable Font
- Media Types
- Visual Effects
- Positioning Scheme

Font

- **font-family:** *<fontname>*
`p {font-family: Arial, Verdana, "Times New Roman"}`
- **font-style:** normal | italic
`p {font-style: italic}`
- **font-variant:** normal | small-caps
`p {font-variant: small-caps}`
- **font-weight:** normal | bold | bolder | lighter | 100–900
`p {font-weight: bold}`
`p {font-weight: 400}`
- **font-size:** xx-small | x-small | small | medium | large | x-large | xx-large
font-size: larger | smaller
font-size: *<length>* | *<percentage>*
`p {font-size: large} p {font-size: smaller}`
`p {font-size: 200px} p {font-size: 150%}`
- **font:** [*<style>* | [*<variant>* | [*<weight>*]]? *<size>*[/*<line-height>*]]? *<family>*
font: caption | icon | menu | message-box | small-caption | status-bar
`p {font: italic 12pt "Helvetica Neue", serif}`
`p {font: bold italic large Palatino, serif}`

Color & Background

- **color:** *<color>*

```
p {color: red}
p {color: #448F2C}
p {color: rgb(255,0,0)}
p {color: rgb(100%,50%,25%)}
p {color: #f25}
```

- **background-color:** *<color>* | transparent

```
body {background-color: transparent}
```

- **background-image:** *<url>* | none

```
body {background-image: none}
body {background-image: url(http://www.site.com/logo.gif)}
```

- **background-repeat:** repeat | repeat-x | repeat-y | no-repeat

```
body {background-repeat: no-repeat}
```

- **background-attachment:** scroll | fixed

```
body {background-attachment: fixed}
```

- **background-position:** [*<percentage>* | *<length>*]{1,2}

background-position: [top | center | bottom] || [left | center | right]

```
body {background-position: 50%}
body {background-position: 200px 50%}
body {background-position: center}
body {background-position: right bottom}
```

- **background:** [*<color>* || *<image>* || *<repeat>* || *<attachment>* || *<position>*]

```
body {background: url("chess.png") gray 50% repeat fixed }
```

Text

- **text-indent:** *<length>* | *<percentage>*
`p {text-indent: 5em}`
- **text-align:** left | right | center | justify
`p {text-align: justify}`
- **text-decoration:** none | [underline || overline || line-through || blink]
`p {text-decoration: underline overline}`
- **text-shadow:** none | [*<color>* || *<length>* *<length>* *<length>*?]
`h1 {text-shadow: 3px 3px 5px red}`
- **text-transform:** capitalize | uppercase | lowercase | none
`h1 {text-transform: capitalize}`
- **letter-spacing:** none | *<length>*
`p {letter-spacing: 3px}`
`p {letter-spacing: -1px}`
- **word-spacing:** none | *<length>*
`p {word-spacing: 2em}`
- **line-height:** normal | *<number>* | *<length>* | *<percentage>*
`p {line-height: 1.5}`
- **white-space:** normal | pre | nowrap
`p {white-space: pre}`

LIST

- `list-style-type: disc | circle | square | decimal | decimal-leading-zero | lower-roman | upper-roman | lower-alpha | lower-latin | upper-alpha | upper-latin | none`

```
ul {list-style-type: circle}
```

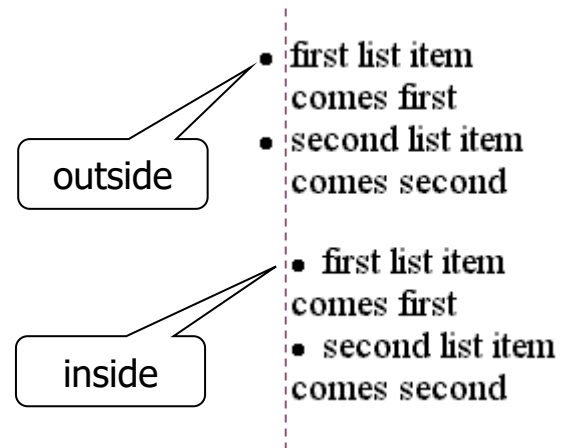
- `list-style-image: <url> | none`

```
ul {list-style-image: url(smiley.gif)}
```

- 😊 first list item comes first
- 😊 second list item comes second
- 😊 third list item comes third

- `list-style-position: inside | outside`

```
ul {list-style-position: inside}
```



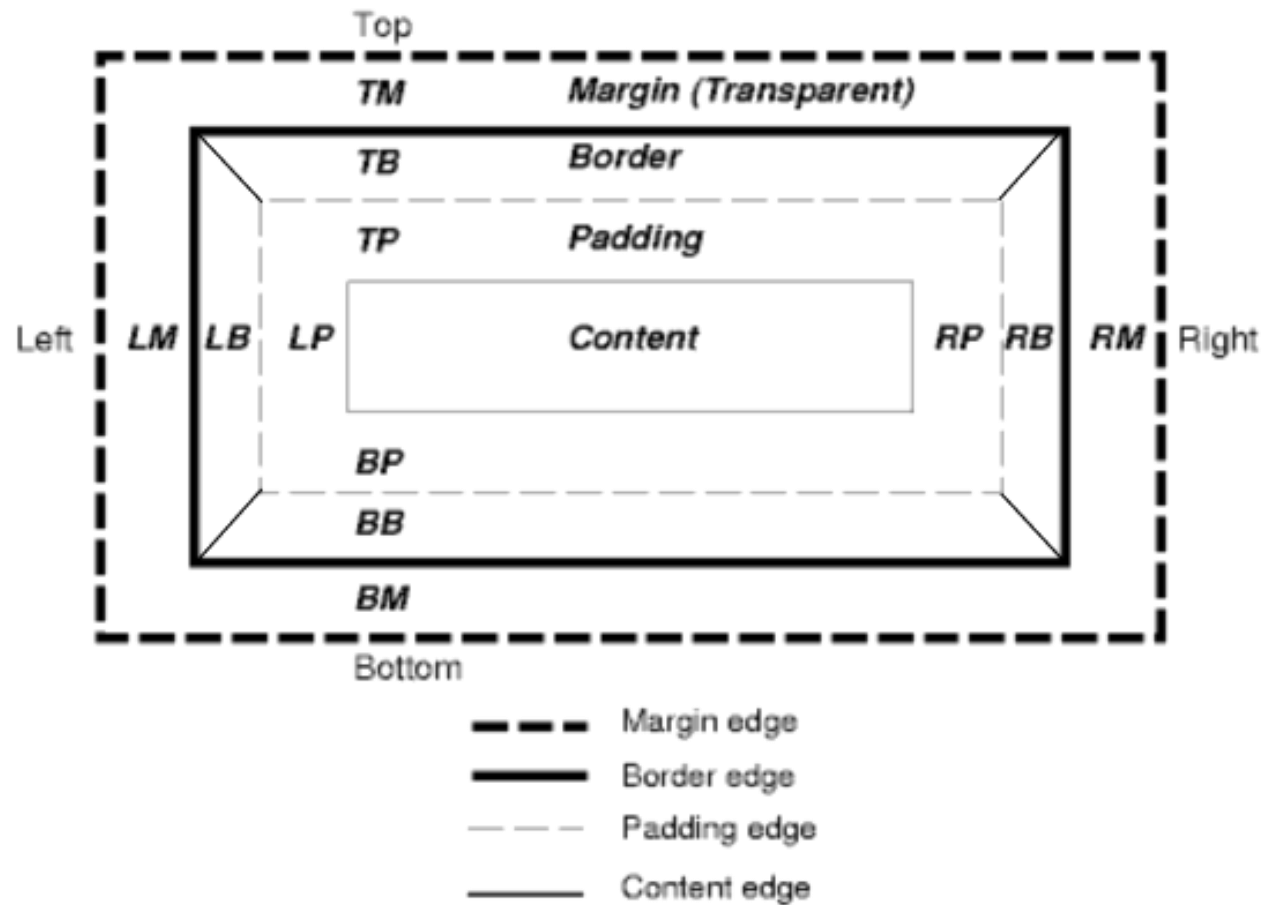
- `list-style: <style> || <position> || <image>`

```
ol {list-style: lower-alpha outside url(smiley.gif)}
```

DIV – Box Model

- **margin-[top|right|bottom|left]:** *<length>* | *<percentage>* | auto
 - div {margin-top: 10px}
 - div {margin-right: 20%}
 - div {margin-bottom: -5px}
 - div {margin-left: 20pt}
- **margin:** [*<length>* | *<percentage>* | auto]{1,4}
 - div {margin: 3em}
 - div {margin: 1em 2em}
 - div {margin: 5em 2em 3em}
 - div {margin: 8em 4em 15em 10em}
- **padding-[top|right|bottom|left]:** *<length>* | *<percentage>* | auto
 - div {padding-top: 10px}
 - div {padding-right: 20%}
 - div {padding-bottom: -5px}
 - div {padding-left: 20pt}
- **padding:** [*<length>* | *<percentage>* | auto]{1,4}
 - div {padding: 8em 4em 15em 10em}
- **border-[top|right|bottom|left]-width:** thin | medium | thick | *<length>*
 - div {border-top-width: thin}
 - div {border-right-width: 6px}
 - div {border-bottom-width: 2em}
 - div {border-left-width: 10}
- **border-width:** *<width>*{1,4}
 - div {border-width: thin medium 10 20}

Box Model



- **border-[top|right|bottom|left]-color:** *<color>*

```
div {border-top-color: green}           div {border-right-color: #ff66cc}
div {border-bottom-color: rgb(0,128,0)} div {border-left-color: #ee3}
```

- **border-color:** *<color>*{1,4} | transparent

```
div {border-color: green #ff66cc rgb(128,128,128) #ee3}
```

- **border-[top|right|bottom|left]-style:** hidden | double | solid | dashed | dotted | ridge | outset | groove | inset | none

```
div {border-top-style: double}           div {border-right-style: solid}
div {border-bottom-style: outset}        div {border-left-style: dashed}
```

- **border-style:** *<style>*{1,4}

```
div {border-style: solid dashed solid dotted}
```

- **border-[top|right|bottom|left]:** *<width>* || *<style>* || *<color>*

```
div {border-top: solid red}
div {border-right: thick double}
div {border-bottom: red dashed blue}
div {border-left: outset 10}
```

- **border:** *<width>* || *<style>* || *<color>*

```
div {border: red solid 1}
```

- **width:** *<length>* | *<percentage>* | auto

```
img {width: 40%}
```

- **height:** *<length>* | *<percentage>* | auto

```
img {height: 100px}
```

Box Model

display: inline | block | list-item | none

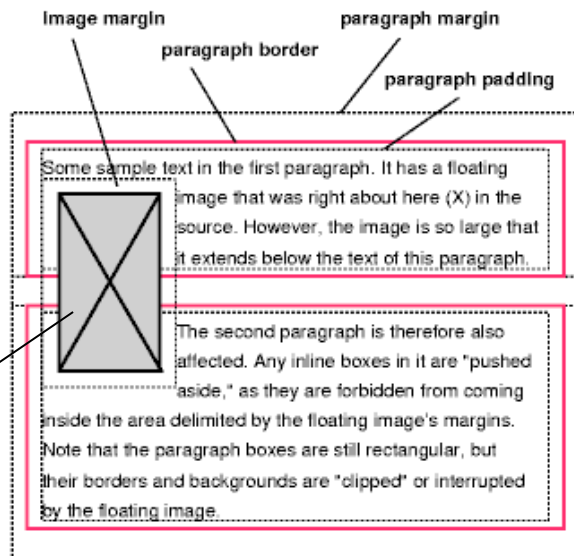
```
p {display: block}
b {display: inline}
li {display: list-item}
img {display: none}
```

float: left | right | none

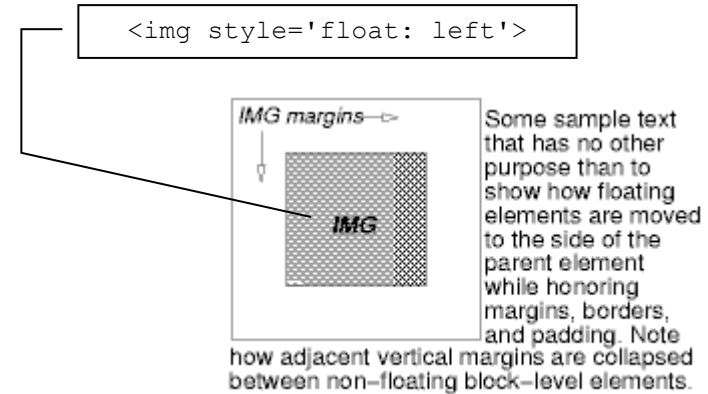
```
img {float: left}
```

clear: left | right | both | none

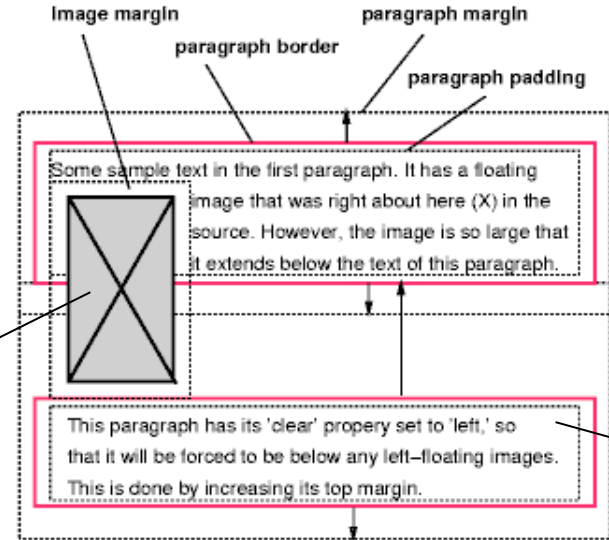
```
img {float: left}
```



```
<img style='float: left'>
```



```
<img style='float: left'>
```



```
<img style='float: left'>
```

```
<p style='clear: left'>
```

Media Types

```
9  <style type='text/css'>
10  |   @media print {
11  |       body {font-size: 10pt; background-color: white}
12  |       .iklan .menu {display: none}
13  |   }
14  |   @media screen {
15  |       body {font-size: 12pt; background-color: yellow}
16  |   }
17  |   @media screen, print {
18  |       body {line-height: 1.2}
19  |   }
20  </style>
21
22
23  <style type="text/css" media="screen, print">
24  |   body {line-height: 1.2}
25  </style>
```

Recognized medias :

all, aural, braille, embossed, handheld, **print**, projection, **screen**, tty, tv

More

- Allitebooks.com
- W3school.com
- Css-trics.com

TUGAS

- Buat sebuah tampilan halaman web yang berisi informasi CV anda.
- Gunakan 960 grid system.

Yang dikumpulkan:

- Desain halaman web
- File tampilan (html dan css)

Ketentuan:

- **Tugas Individu**
- **No bootstrap**

Pengumpulan

Minggu depan:

- Desain halaman CV

Minggu selanjutnya:

- Halaman web