Fundamental CSS3

TRAINING HARI #2 – ACHMAD SOLICHIN (@ACHMATIM)

Agenda

- ❑ What is CSS3 ?

- ❑ CSS3 Media Queries

- ❑ CSS3 Visual Effects

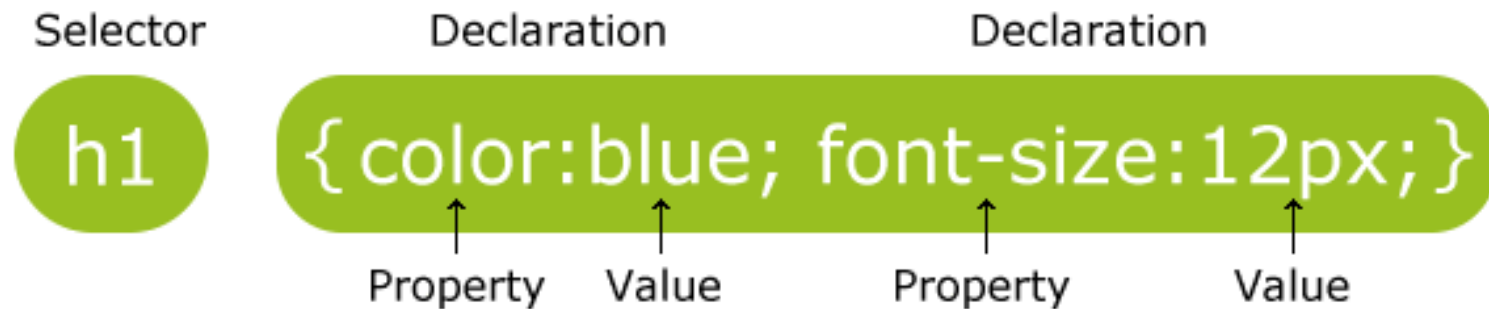- ❑ CSS3 Tools

What is CSS3 ?

Penggunaan CSS

❑ Layout

❑ Colors

❑ Fonts and text

❑ Backgrounds

❑ Borders

❑ Floats

Komponen Dasar CSS

❑ Elemen

❑ Atribut

❑ Selector

❑ Properties

Selector   Declaration   Declaration

h1   { color:blue; font-size:12px; }

Property   Value   Property   Value

CSS Selector

❑ Tag

❑ ID

❑ Class

```
p { text-align:justify; color:blue; }
#header { float:left; margin:10px; }
.judul { font-size:15px; background-color:#0000ff; }
```

Relasi antar Selector

- ❑ Turunan (Descendant)
  - ❑ (E F) → Selector F merupakan bagian dari E secara struktural.

- ❑ Anak (Child)
  - ❑ (E > F) → Selector F merupakan anak (secara hierarki) dari E.

- ❑ Saudara dekat (Adjancent Sibling)
  - ❑ (E + F) → Selector F merupakan selector yang secara structural satu parent dengan E.

- ❑ Saudara umum (General Sibling)
  - ❑ (E ~ F) → Selector F adalah satu parent dengan E dan memiliki hubungan secara struktur.

Atribute Selector

- `E[attr]`
  - Seleksi semua selector E yang memiliki atribut 'attr'
  - Contoh: input[required]

- `E[attr = val]`
  - Seleksi semua selector E yang memiliki atribut 'attr' dengan nilai 'val'
  - Contoh: input[type=checkbox]

- `E[attr |= val]`
  - Seleksi semua selector E yang memiliki atribut 'attr' dan value sama atau diawali dengan 'val'
  - Contoh: p[lang |= "en"]

- `E[attr ~= val]`
  - Seleksi semua selector E yang memiliki atribut 'attr' dan value mengandung kata 'val'
  - Contoh: .info[title ~= "more"]

Atribute Selector

❑ `E[attr ^= val]`
  ❑ Seleksi semua selector E yang memiliki atribut 'attr' dan value diawali dengan 'val'

❑ `E[attr $= val]`
  ❑ Seleksi semua selector E yang memiliki atribut 'attr' dan value diakhiri dengan 'val'

❑ `E[attr *= val]`
  ❑ Seleksi semua selector E yang memiliki atribut 'attr' dan value mengandung kata 'val'

CSS Selector Browser Support

↓ Selector / Browser →	IE6	IE7	IE8	IE9 preview	FF 3	FF 3.5	FF 3.6	Safari 3	Safari 4	Chrome 5 beta	Opera	Opera 10.5 beta
E	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E F	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
:link	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:active	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:visited	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:first-line	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:first-letter	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E.classname	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E#id	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
.classname.classname	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

CSS3 Selector Browser Support

↓ Selector / Browser →	IE6	IE7	IE8	IE9 preview	FF 3	FF 3.5	FF 3.6	Safari 3	Safari 4	Chrome 5 beta	Opera	Opera 10.5 beta
E ~ F	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E[attr^="name"]	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E[attr$="name"]	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E[attr*="name"]	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E[attr|="name"]	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:root	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:nth-of-type	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:nth-last-of-type	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:first-of-type	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:last-of-type	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:only-of-type	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:only-child	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:last-child	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:nth-child	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:nth-last-child	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES
E:empty	NO	NO	NO	YES	YES	YES	YES	BUGGY [2]	YES [3]	YES	YES	YES
E:target	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:checked	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E::selection	NO	NO	NO	YES	NO	NO	NO	YES	YES	YES	YES	YES
E:enabled	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:disabled	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
E:not(s)	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

CSS Pseudo-class

- :link
- :visited
- :hover
- :active
- :focus
- :**enabled**
- :**disabled**
- :**checked**
- :**indeterminate**
- :**target**

- :**default**
- :**valid**
- :**invalid**
- :**in-range**
- :**out-of-range**
- :**required**
- :optional
- :**read-only**
- :**read-write**

Keunggulan CSS3

❑ Bagian dari teknologi HTML5

❑ Lebih cepat

❑ Tidak terlalu bergantung pada Javascript dan plugin.

❑ Mempermudah pengelolaan situs.

❑ Lebih adaptive

❑ Responsive design

Yang baru di CSS3

- ❑ 2D Transforms
- ❑ Backgrounds & Borders
- ❑ Color
- ❑ Values and Units
- ❑ Selectors
- ❑ Web Fonts
- ❑ **Media Queries**
- ❑ Namespaces
- ❑ 3D Transforms
- ❑ Animations

- ❑ Gradient
- ❑ **CSS Exclusions (Floats)**
- ❑ **Flexible Box ("Flexbox") Layout**
- ❑ **Grid Layout**
- ❑ **Multi-column Layout**
- ❑ Region
- ❑ SVG Filter Effects
- ❑ Text Shadow
- ❑ Transitions

CSS3 Kompatibilitas Browser

❑ Beberapa perintah CSS secara khusus berlaku di browser tertentu saja.
  - ❑ -moz-* → Mozilla Firefox
  - ❑ -webkit-* → Webkit-based browser

❑ Ada juga beberapa property CSS yang "diperlakukan" berbeda oleh setiap browser.

❑ Solusi?
  - ❑ Gunakan "important" → !
  - ❑ Coba di beberapa browser sekaligus → Firefox, Chrome, IE
  - ❑ Gunakan tool cross-browser-tester.

CSS3 Kompatibilitas Browser

IDEALNYA…

```
a.polaroid:active {
    z-index: 999;
    border-color: #6A6A6A;
    box-shadow: 15px 15px20px
        rgba(0,0, 0, 0.4);
    transform: rotate(0deg) scale(1.05);

}
```

KENYATAANNYA…

```
a.polaroid:active{
z-index: 999;
border-color: #6A6A6A;
-webkit-box-shadow: 15px 15px20px rgba(0,0, 0,
0.4);
-moz-box-shadow: 15px 15px 20px rgba(0,0, 0,
0.4);
box-shadow: 15px 15px20px rgba(0,0, 0, 0.4);
-webkit-transform: rotate(0deg) scale(1.05);
-moz-transform: rotate(0deg) scale(1.05);
transform: rotate(0deg) scale(1.05);

}
```

CSS3 Kompatibilitas Browser

- ❑ CSS3 Property browser support chart - http://www.findmebyip.com/litmus

- ❑ CSS3 Selector browser support chart - http://www.standardista.com/css3/css3-selector-browser-support

- ❑ CSS3 Specifications - http://www.w3.org/standards/techs/css#w3c_all

- ❑ Cross-browser Tester
  - ❑ http://tredosoft.com/Multiple_IE
  - ❑ http://crossbrowsertesting.com (berbayar)
  - ❑ http://browsershots.org (gratis)

Contoh

```
.gradient {

color: #fff;

/*fallback background color & image*/
background: #aaaaaa url(gradient_slice.jpg) 0 0 x-repeat;

/* gradient for Mozilla */
background-image: -moz-linear-gradient(top, #07407c, #aaaaaa);

/* gradient for the Webkits */
background-image: -webkit-gradient(linear,left top,left bottom,color-stop(0,
#07407c),colorstop(1, #aaaaaa));

/* filter for IE8 (& IE9) */
-ms-filter: "progid:DXImageTransform.Microsoft.gradient(startColorStr='#07407c',
EndColorStr='#aaaaaa')";

/* filter for IE7 and lower */
filter:
progid:DXImageTransform.Microsoft.gradient(startColorStr='#07407c', EndColorStr='#aaaaaa');

}
```

CSS3 Media Query

CSS3 Media Query

❑ Layout website harus mampu menyesuaikan diri dengan device yang digunakan secara otomatis, untuk meningkatkan kenyamanan pengguna.

❑ CSS3 Media Query memungkinkan untuk mendefinisikan perintah CSS yang akan dijalankan sesuai dengan perangkat / device yang digunakan.

❑ Jenis media:
  ❑ Desktop browser, screen, print
  ❑ Mobile browser
  ❑ Tablet form-factor
  ❑ Televisi
  ❑ Game console

Browser Support Media Query

❑ IE9+

❑ Firefox 3.5+

❑ Safari 3.2+

❑ Chrome 8+

❑ Opera 10.6+

❑ iOS 3.2+

❑ Opera Mini 5+

❑ Opera Mobile 10+

❑ Android 2.1+

Contoh

```
@media screen and (max-width: 600px) {
  body {

      font-size: 80%;

  }

}


@media screen and (min-width:320px) and (max-width:480px) {}


@media not print and (max-width:600px) {}
```

Property CSS Media

- ❑ min/max-width
- ❑ min/max-height
- ❑ device-width
- ❑ device-height
- ❑ orientation
- ❑ aspect-ratio
- ❑ device-aspect-ratio
- ❑ color
- ❑ color-index

- ❑ monochrome
- ❑ resolution

Contoh Penggunaan
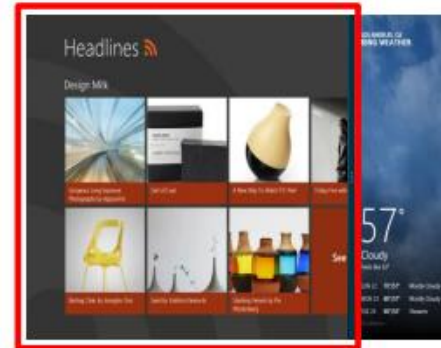
View States

Full

Fill

Snapped

Portrait
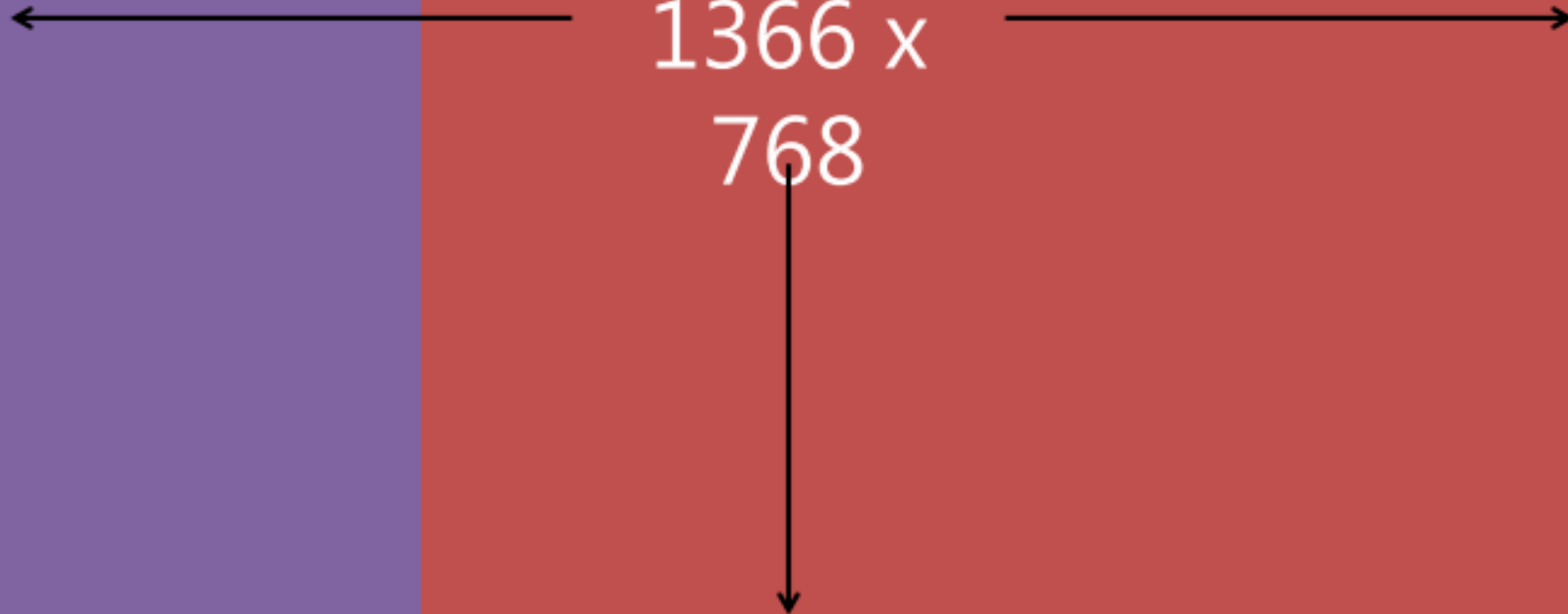
View States

```
@media screen and (-ms-view-state: device-
portrait)
{
    /* Re-arrange and hide/show content */
}
@media screen and (-ms-view-state: full-screen)
@media screen and (-ms-view-state: snapped)
@media screen and (-ms-view-state: fill)
```

Blog http://blogs.msdn.com/derickbar

Full screen

Portrait

Fill

Snap
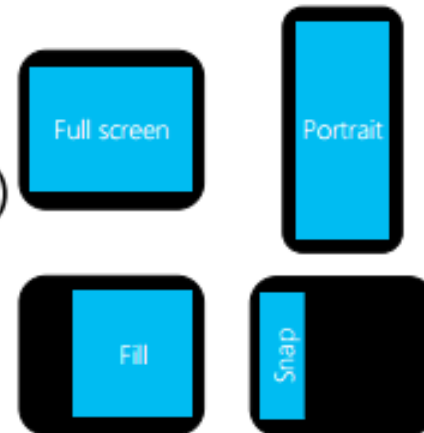
Smartphone (Portrait & Landscape)

```
/* Smartphones (portrait and landscape) ------------ */

@media only screen

and (min-device-width : 320px)

and (max-device-width : 480px) {

    /* Styles */

}
```

Smartphone (Portrait & Landscape)

```css
/* Smartphones (landscape) ----------- */

@media only screen

and (min-width : 321px) {

/* Styles */

}


/* Smartphones (portrait) ----------- */

@media only screen

and (max-width : 320px) {

/* Styles */

}
```

iPads (Portrait & Landscape)

```css
/* iPads (portrait and landscape)- */
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px) {
/* Styles */
}


/* iPads (landscape) -------- */
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px)
and (orientation : landscape) {
/* Styles */
}


/* iPads (portrait) -----*/
@media only screen
and (min-device-width : 768px)
and (max-device-width : 1024px)
and (orientation : portrait) {
/* Styles */
}
```

Desktop

```css
/* Desktops and laptops ----- */

@media only screen

and (min-width : 1224px) {

/* Styles */

}


/* Large screens ----------- */

@media only screen

and (min-width : 1824px) {

/* Styles */

}
```

iPhone 4

```
/* iPhone 4 ----------- */

@media

only screen and (-webkit-min-device-pixel-ratio : 1.5),

only screen and (min-device-pixel-ratio : 1.5) {

/* Styles */

}
```

CSS3 Visual Effects

CSS3 Color

❑ Hexadecimal, contoh: #ff0000, #ffff00

❑ Textual, contoh: red, green

❑ RGB (Red-Green-Blue), contoh: rgb(255,255,255)

❑ RGBA (Red-Green-Blue-Alpha), contoh: rgba(0, 0, 0, 0.2)

❑ HSL (Hue-Saturation-Lightness)
  ❑ Hue : 0-359. 0=red, 60=yellow, 120=green
  ❑ Saturation: 0-100%
  ❑ Lightness: 0-100%

❑ HSLA (Hue-Saturation-Lightness-Alpha)
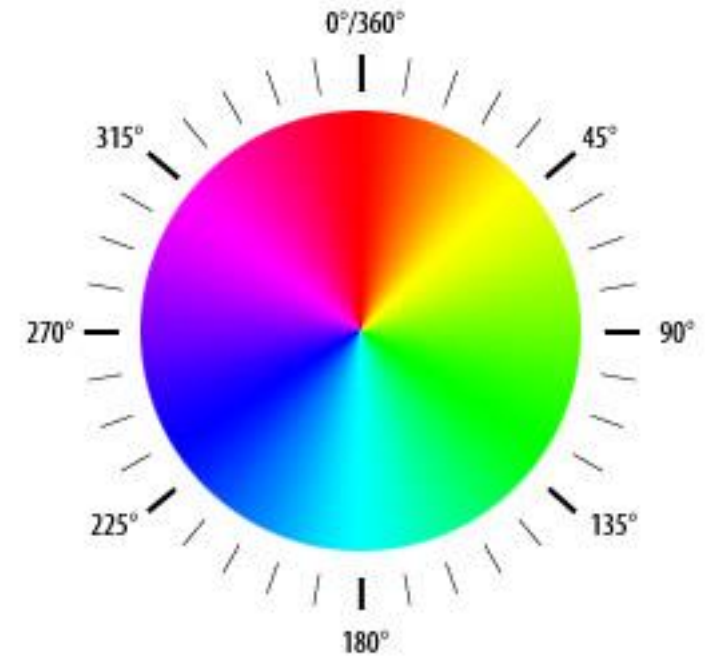
CSS3 Color - RGBA

CSS3 Rounded Corner

❑ Safari, Chrome, Opera, IE9+, dan Firefox 4+:

```
border-radius: 25px;
```

❑ Firefox 3 dan sebelumnya:

```
-moz-border-radius: 25px;
```

CSS3 Rounded Corner

border-top-left-radius: 5px;

border-top-right-radius: 10px;

border-bottom-right-radius: 15px;

border-bottom-left-radius: 40px;

-moz-border-radius-topleft: 5px;

-moz-border-radius-topright: 10px;

-moz-border-radius-bottomright: 15px;

-moz-border-radius-bottomleft: 40px;

New Browser

<HTML5> & {CSS3}

Old Browser

CSS3 Box Shadow

```
-webkit-box-shadow: 2px 5px 0 0 rgba(72,72,72,1);

-moz-box-shadow: 2px 5px 0 0 rgba(72,72,72,1);

box-shadow: 2px 5px 0 0 rgba(72,72,72,1);
```

<HTML5> & {CSS3}

CSS3 Box Shadow Example 1

```
button {

        padding:5px 30px;

        border:1px solid maroon;

        border-radius:4px;

        -webkit-box-shadow:

                inset 0 1px 3px pink,

                inset 0 -5px 15px maroon,

                0 2px 1px black;

        -moz-box-shadow:

                inset 0 1px 3px pink,
```

```
                inset 0 -5px 15px maroon,

                0 2px 1px black;

box-shadow:

        inset 0 1px 3px pink,

        inset 0 -5px 15px maroon,

        0 2px 1px black;

background-color:red;

color:white;

text-shadow:0 1px 1px black;

}
```

Test

CSS3 Box Shadow Example 2

```css
button {
    padding:5px 30px;
    border:1px solid darkgreen;
    border-radius:4px;
    -webkit-box-shadow:
        inset 1px 6px 12px lightgreen,
        inset -1px -10px 5px darkgreen,
        1px 2px 1px black;
    -moz-box-shadow:
        inset 1px 6px 12px lightgreen,
        inset -1px -10px 5px darkgreen,
        1px 2px 1px black;
    box-shadow:
        inset 1px 6px 12px lightgreen,
        inset -1px -10px 5px darkgreen,
        1px 2px 1px black;
    background-color:green;
    color: white;
    text-shadow: 1px 1px 1px black;
}
```

CSS3 Text Shadow

```css
/* single shadow */

text-shadow: topOffset leftOffset blurRadius color;


/* multiple shadows */

text-shadow: topOffset1 leftOffset1 blurRadius1 color1,

topOffset2 leftOffset2 blurRadius2 color2,

topOffset3 leftOffset3 blurRadius3 color3;
```

CSS3 Text Shadow

CSS3 Text Shadow

```
text-shadow: 3px 3px 1px rgba(0, 0, 0, 0.5);
```

<HTML5> &
{CSS3}

CSS3 Text Shadow

```
#example-theme a:link, #example-theme a:visited {
color: #000; font: 48px/1 'Erica One';
text-shadow: 0 1px 1px #bbb,
    0 2px 0 #999,
    0 3px 0 #888,
    0 4px 0 #777,
    0 5px 0 #666,
    0 6px 0 #555,
    0 7px 0 #444,
    0 8px 0 #333,
    0 9px 7px #302314;
}
#example-theme a:hover, #example-theme a:active {
text-shadow: 0 1px 1px #ddd,
    0 2px 0 #c5bba4,
    0 3px 0 #c5bba5,
    0 4px 0 #b7ae98,
    0 5px 0 #a39a87,
    0 6px 0 #8b8472,
    0 7px 0 #726c5c,
    0 8px 0 #5b5547,
    0 9px 7px #474136;
}
```

Perishable Press

CSS3 Text Shadow vs Image

use an image..	or use text-shadow..
pixel-perfect rendition/display across browsers	browser support required, and display across browsers may vary
advanced styles & effects	many cool text-shadow effects possible
larger in size, tend to require more bandwidth	less code, even complex styles relatively lightweight
requires an extra HTTP request	code only, requires no extra HTTP HTTP request
anchor text is not selectable, but possible to use image-replacement for SEO	anchor text is selectable, so keywords available for search engines and visitors (e.g., copy/paste-able)
updating/tweaking requires new a image	easy to update or tweak by fiddling with CSS

CSS3 Opacity

CSS3 Opacity

```css
.opacity {
background-color: #3C4C55;
color: #fff;
opacity: 0.5;
-ms-filter: "progid:DXImageTransform.Microsoft.Alpha (opacity=20)";
/* IE8 only */
filter: progid:DXImageTransform.Microsoft.Alpha (opacity=20);
/* IE6, IE7, and IE8 */
filter: alpha(opacity=20);
}
```

CSS3 Border Radius

```
border-radius: 20px;
-webkit-border-radius: 20px;  ← For Webkit
-moz-border-radius: 20px;  ← For Firefox
```

↓

Border Radius

```
-webkit-border-top-left-radius: 5px;
-webkit-border-top-right-radius: 15px;          ← Webkit
-webkit-border-bottom-left-radius: 25px;
-webkit-border-bottom-right-radius: 45px;

-moz-border-radius-topleft: 5px;
-moz-border-radius-topright: 15px;              ← FireFox
-moz-border-radius-bottomleft: 25px;
-moz-border-radius-bottomright: 45px;
```

↓

Four Corners

CSS3 Gradient

- ❑ Linier Gradient
- ❑ Radial Gradient
- ❑ Repeating Gradient
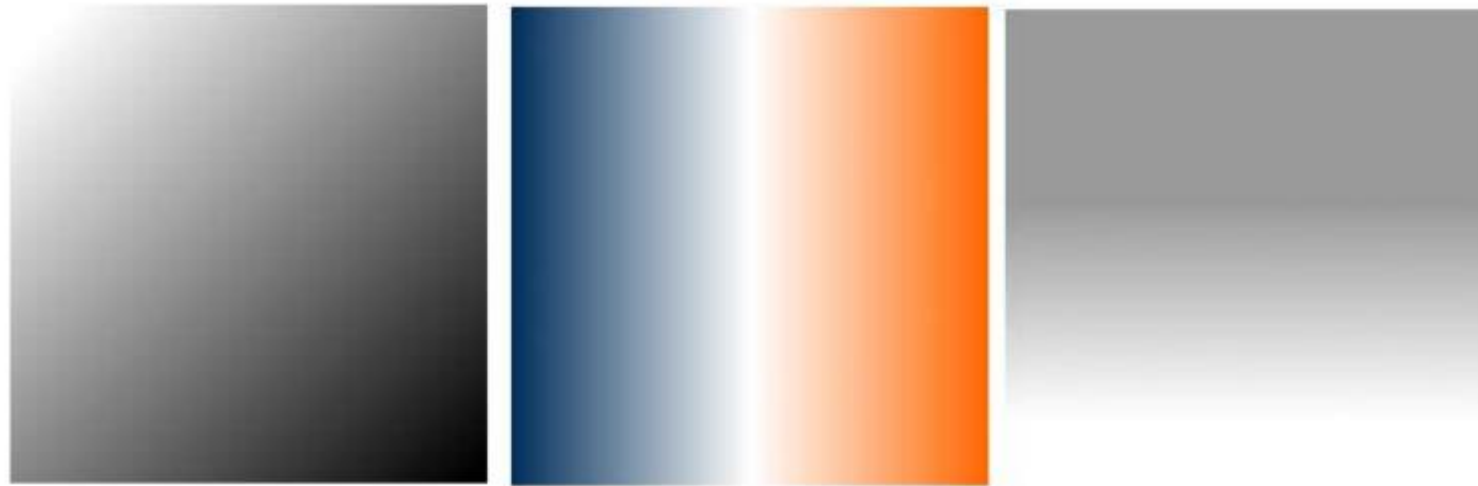
CSS3 Linier Gradient

```
#ad2 {

background-image:
   -moz-linear-gradient(
      270deg,
      rgba(0,0,0,0.4) 0,
      rgba(0,0,0,0) 37%,
      rgba(0,0,0,0) 83%,
      rgba(0,0,0,0.06) 92%,
      rgba(0,0,0,0) 98%
   );

background-image:
   -webkit-linear-gradient(
      270deg,
      rgba(0,0,0,0.4) 0,
      rgba(0,0,0,0) 37%,
```

```
      rgba(0,0,0,0) 83%,
      rgba(0,0,0,0.06) 92%,
      rgba(0,0,0,0) 98%
   );

background-image:
   -o-linear-gradient(
      270deg,
      rgba(0,0,0,0.4) 0,
      rgba(0,0,0,0) 37%,
      rgba(0,0,0,0) 83%,
      rgba(0,0,0,0.06) 92%,
      rgba(0,0,0,0) 98%
   );

}
```

CSS3 Radial Gradient

```
input[type=submit] {

background-color: #333;

/* Old WebKit */

background-image: -webkit-
gradient(radial, 30% 120%, 0, 30%
120%, 100,
color-stop(0,rgba(144,144,144,1)),
color-stop(1,rgba(72,72,72,1)));

/* W3C for Mozilla */

background-image: -moz-radial-
gradient(30% 120%, circle,
rgba(144,144,144,1) 0%,
rgba(72,72,72,1) 50%);
```

```
/* W3C for new WebKit */
background-image: -webkit-radial-
gradient(30% 120%, circle,
rgba(144,144,144,1) 0%,
rgba(72,72,72,1) 50%);

/* W3C unprefixed */

background-image: radial-
gradient(30% 120%, circle,
rgba(144,144,144,1) 0%,
rgba(72,72,72,1) 50%);

}
```

CSS3 Repeating Gradient

```
.repeat_linear_1 {

  background-image:
    -webkit-repeating-linear-gradient
    (left,
    rgba(0,0,0,0.5) 10%,
    rgba(0,0,0,0.1) 30%);
}

.repeat_radial_2 {

  background-image:
    -webkit-repeating-radial-gradient
    (top left, circle,
    rgba(0,0,0,0.9),
    rgba(0,0,0,0.1) 10%,
    rgba(0,0,0,0.5) 20%);
}
```

```
.multiple_gradients_3 {

  background-image:
    -webkit-repeating-linear-gradient
    (left,
    rgba(0,0,0,0.5) 10%,
    rgba(0,0,0,0.1) 30%),
    -webkit-repeating-radial-gradient
    (top left, circle,
    rgba(0,0,0,0.9),
    rgba(0,0,0,0.1) 10%,
    rgba(0,0,0,0.5) 20%);
}
```

CSS3 Repeating Gradient
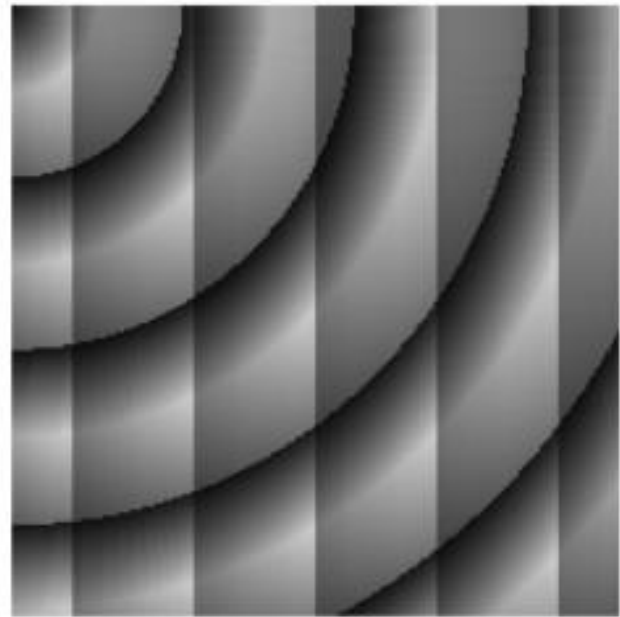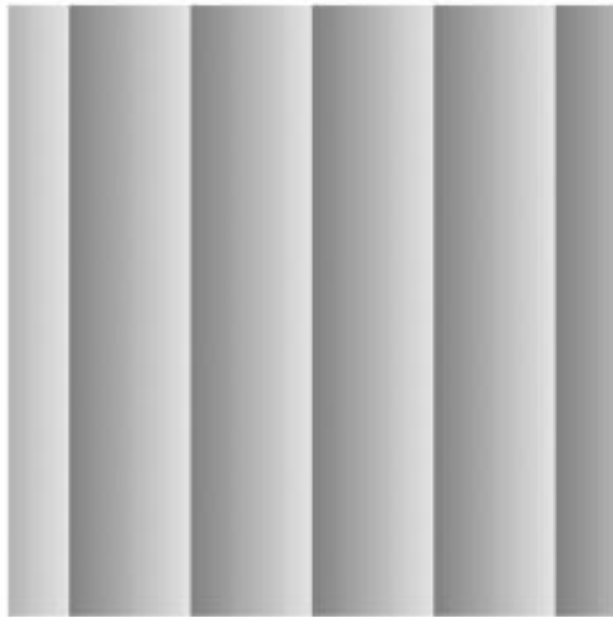
CSS3 Multiple Background

```css
.multi-bg {

    background: url(/image/css3-multi-top.png) no-repeat,

    url(/image/css3-multi-bottom.png) no-repeat 0 100%,

    url(/image/css3-multi-repeat.png) repeat-y;

    background-color: #516ac4;

}
```

Top:

Bottom:

Repeating Background:
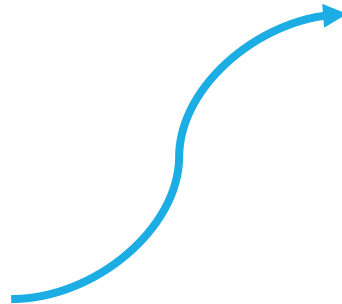
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vitae risus ac nisl imperdiet semper. Duis egestas odio in ipsum varius consequat. Nunc in erat libero, nec interdum tortor! Aliquam facilisis hendrerit consequat? Praesent a risus in augue tincidunt cursus! Cras facilisis leo in lectus malesuada ut eleifend lacus viverra. Nulla purus nunc, bibendum nec lobortis ut, luctus sed massa? Nulla facilisi. In in mi odio, eu blandit est. In hac habitasse platea dictumst. Sed pulvinar condimentum purus et aliquet. Nam non ipsum quis metus luctus varius. Nullam placerat congue tincidunt!

CSS3 Multiple Column Layout

```css
.columns {

    -moz-column-count: 3;

    -moz-column-gap: 20px;

    -moz-column-rule: 1px dotted #666;

    -webkit-column-count: 3;

    -webkit-column-gap: 20px;

    -webkit-column-rule: 1px dotted #666;

}
```

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vitae risus ac nisl imperdiet semper. Duis egestas odio in ipsum varius consequat. Nunc in erat libero, nec interdum tortor! Aliquam facilisis hendrerit consequat? Praesent a risus in augue tincidunt cursus! Cras facilisis leo in lectus malesuada ut eleifend lacus viverra. Nulla purus nunc, bibendum nec lobortis ut, luctus sed massa? Nulla facilisi. In in mi odio, eu blandit est. In hac habitasse platea dictumst. Sed pulvinar condimentum purus et aliquet. Nam non ipsum quis metus luctus varius. Nullam placerat congue tincidunt!

CSS3 Border Image

```
.border-img {

background-color: #516ac4;

border: 10px solid;

border-image: url(/image/css3-border-img.png) 10 10 10 10 repeat repeat;

-moz-border-image: url(/image/css3-border-img.png) 10 10 10 10 repeat repeat;

-webkit-border-image: url(/image/css3-border-img.png) 10 10 10 10 repeat repeat;

}
```
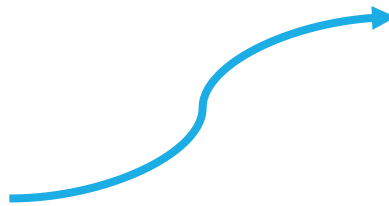
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed vitae risus ac nisl imperdiet semper. Duis egestas odio in ipsum varius consequat. Nunc in erat libero, nec interdum tortor! Aliquam facilisis hendrerit consequat? Praesent a risus in augue tincidunt cursus! Cras facilisis leo in lectus malesuada ut eleifend lacus viverra. Nulla purus nunc, bibendum nec lobortis ut, luctus sed massa? Nulla facilisi. In in mi odio, eu blandit est. In hac habitasse platea dictumst. Sed pulvinar condimentum purus et aliquet. Nam non ipsum quis metus luctus varius. Nullam placerat congue tincidunt!

CSS3 Background Size

```
.background-size {

        background-image: url(http://domain.tld/path/bg.png);

        -webkit-background-size: 50% 50%; /* Safari  */

        -khtml-background-size: 50% 50%;  /* Konquer */

        -moz-background-size: 50% 50%;    /* Firefox */

        -o-background-size: 50% 50%;      /* Opera   */

        background-size: 50% 50%;         /* CSS3    */

}
```

CSS3 Custom Text-Highlight Style

```css
*::selection {

      background: #E6E5C3;

      color: #291F16;

}

*::-moz-selection {

      background: #E6E5C3;

      color: #291F16;

}
```

By default, most browsers display selected text with a boring blue color. color is a good way to improve the overall harmony and thematic consist at Perishable Press, I enhance the aesthetic functionality of the Serious T slice of CSS3:

CSS3 Web Font

❑ Tidak semua font tersedia di komputer klien.

❑ CSS3 memungkinkan untuk meng-embed font yang diinginkan di web, sehingga tidak lagi bergantung pada ketersediaan font di klien

❑ Tipe font:
  - ❑ .eot
  - ❑ .ttf
  - ❑ .svg
  - ❑ .woff

❑ Download font:
  - ❑ http://www.fontsquirrel.com/fonts
  - ❑ http://www.exljbris.com/

CSS3 Web Font

```
@font-face { /* declare fonts */
    font-family: "GoodDog";
    src: url("fonts/GoodDog-webfont.eot");
    src: local("GoodDog"), local("GoodDog"),
        url("fonts/GoodDog-webfont.woff") format("woff"),
        url("fonts/GoodDog-webfont.ttf") format("truetype"),
        url("fonts/GoodDog-webfont") format("svg");
    }
    /* display fonts */
    h1 { font: 24px/1 GoodDog, Verdana, sans-serif; }
    h2 { font: 18px/1 GoodDog, Verdana, sans-serif; }
    h3 { font: 14px/1 GoodDog, Verdana, sans-serif; }
```

CSS3 Tools

CSS3 Generator

❑ CSS3Please.Com

CSS3 Generator

❑ CSS3Generator.Com

CSS3 Generator

❑ **CSS3-Maker.Com**

CSS3 Generator

❑ Westciv.com/tools

CSS3 Generator

❑ http://border-radius.com

❑ http://www.css3maker.com

❑ http://www.colorzilla.com/gradient-editor/

❑ http://csscorners.com

❑ http://border-image.com

CSS3 Helper Script

❑ Membantu browser IE8 atau sebelumnya agar kompatibel dengan CSS3.

   ❑ IE7-JS http://code.google.com/p/ie7-js/

   ❑ CSS3Pie http://css3pie.com

   ❑ CSS Sandpaper http://www.useragentman.com/blog/csssandpaper-a-css3-javascript-library

❑ Modernizr http://modernizr.com

   ❑ Untuk mendeteksi kompatibilitas browser dengan perintah CSS3 dan HTML5

   ❑ How to:

      ❑ http://www.alistapart.com/articles/takingadvantage-of-html5-and-css3-withmodernizr/

      ❑ http://webdesignernotebook.com/css/how-to-use-modernizr

      ❑ http://www.ericlightbody.com/2010/modernizr-your-tool-for-html5-and-css3-functionality

CSS3 Nice Example

- ❑ Pure CSS3 Page Flip Effect - http://www.romancortes.com/ficheros/page-flip.html
- ❑ Selectable Headline with Color Transitions - http://trentwalton.com/bgclip/
- ❑ Our Solar Systems in CSS3 - http://neography.com/journal/our-solar-system-in-css3/
- ❑ CSS World Clocks - http://lensco.be/2010/04/04/css-world-clocks/
- ❑ CSS 3D Text Tower - http://css-tricks.com/3d-text-tower/
- ❑ Sexy Tooltips with Just CSS - http://sixrevisions.com/css/css-only-tooltips/
- ❑ Sexy Image Hover Effects using CSS3 - http://www.nikesh.me/blog/2010/05/sexy-image-hover-effects-using-css3/
- ❑ CSS Gradient Dropdown Menu - http://www.webdesignerwall.com/demo/css3-dropdown-menu/css-gradient-dropdown.html
- ❑ CSS Flexbox - http://css-tricks.com/snippets/css/a-guide-to-flexbox/

Resources

❑ (Book) Alexis Goldstein, Louis Lazaris, and Estelle Weyl. 2011. **HTML5 & CSS3 FOR THE REAL WORLD**. SitePoint Pty. Ltd

❑ (Presentation) Doris Chen. **Introduction to CSS3**.
http://www.slideshare.net/doris1/introduction-to-css3-14547955

❑ (Presentation) Denise Jacobs. **Introduction to CSS3**.
http://www.slideshare.net/denisejacobs/intro-to-css3

❑ http://css-tricks.com/snippets/

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