

# CSS - cascading style sheets

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- **HTML is a markup language.** Descreve o conteúdo da página web
- **CSS is a styling language.**
  - Descreve como o conteúdo é apresentado: descreve o estilo
  - permite separar num documento HTML o conteúdo do estilo

# Cascading Style Sheets

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Por ordem de prioridade:

- **Inline**

```
<h1 style="color: blue; font-style: italic"> texto em azul</h1>
```

- **Document level**

```
<head>  
  <style type="text/css">  
    H1 {color: blue; font-style: italic}  
  </style>  
</head>
```

- **Linked**

```
<head>  
  <link rel=stylesheet type="text/css"  
    href="http://www.site.com/styles/mystyle.css"  
  </link>  
</head>
```

# Style Syntax

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`Tag-selector {property:value1; property:value1,value2; ...}`

- Tag names in uppercase (convenção)
- Property in lowercase (convenção)
- Comentários: `/* isto é um comentário */`

# Selectores

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- **Mútiplos**

```
H1, H2, H3 {text-align: center}
```

- **Contexto**

```
OL LI {list-style: upper-alpha}  
OL OL LI { list-style: upper-roman}  
OL OL OL LI{ list-style: lower-alpha}
```

```
H1 EM, P STRONG {color: red}
```

- **Herança**

Propriedades de uma tag específica são herdadas da tag mãe, excepto as que são definidas especificamente

Exemplo:

```
BODY {color: blue}
```

# Classes

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- **Associadas a tags**

```
P.abstract {font-style: italic; left-margin: 0.5cm}
```

```
P.equation {font-family: Symbol; text-align: center}
```

- **Classes genéricas**

```
.italic {font-style: italic}
```

- **exemplo de aplicação:**

```
<p class="abstract">  
<p class="italic">  
<h1 class="italic">
```

# Usando o atributo id em vez do atributo class

---

```
P1#italic {font-style: italic}
#italic {font-style: italic}
```

- **exemplo de aplicação:**

```
<p id="italic">
<h1 id="italic">
```

- limitação: não pode haver dois atributos id iguais no documento HTML
- **Evitar usar**

# Pseudo-classes

---

- **Estão ligadas ao estado da tag**
- Três estão associadas à tag <a>

```
A:link {color: blue}  
A:active {color: red}  
A:visited {color: green}
```

- Duas estão associadas à tag <p>

```
P:first-line {font-style:small-caps}  
P:first-letter {font-size: 200%; float: left}
```

# Example: Setting the page margins

---

```
body { margin-left: 10%; margin-right: 10%; }
```



# Example: Setting left and right indents

---

```
body { margin-left: 10%; margin-right: 10%; }  
h1 { margin-left: -8%;}  
h2,h3,h4,h5,h6 { margin-left: -4%; }
```

# Example: First-line indent

---

```
p { text-indent: 2em; margin-top: 0; margin-bottom: 0; }
```

# Example: Controlling the font

---

- **Font styles**

```
em { font-style: italic; font-weight: bold; }
strong { text-transform: uppercase; font-weight: bold; }
```

- **Setting the font size**

```
h1 { font-size: 200%; }
h2 { font-size: 150%; }
h3 { font-size: 100%; }
```

- **Setting the font family**

```
body { font-family: Verdana, sans-serif; }
h1,h2 { font-family: Garamond, "Times New Roman", serif; }
```

# Example: Adding borders and backgrounds

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```
.box { border: solid; border-width: thin; width: 100% }
```

- **Exemplo:**

```
<div class="box">
```

The content within this DIV element will be enclosed in a box with a thin line around it.

```
</div>
```

# Example: Setting Colors

---

```
body {  
    color: black;  
    background: white;  
}
```

```
strong { color: red }
```

# Example: Setting Link Colors

---

```
a:link { color: rgb(0, 0, 153) } /* for unvisited links */  
a:visited { color: rgb(153, 0, 153) } /* for visited links */  
a:active { color: rgb(255, 0, 102) } /* when link is clicked */  
a:hover { color: rgb(0, 96, 255) } /* when mouse is over link */
```

# Gila template: A Real Example!

## Gila Two

[Products](#) | [Solutions](#) | [Store](#) | [Support](#) | [Contact Us](#) | [About Us](#)

### This Page

- Introduction
- Cross-browser
- Stylesheets
- Accessibility

### Branch Navigation

- OSWD Home
- Browse Designs
- haran's Designs
- Gila Homepage**

### Comments

Comments and constructive criticisms are welcome [via email](#).

## Introduction

This is version two of Gila, a revision of the [original design](#) I submitted to [OSWD](#) in February 2003. Following is a summary of the major differences between this version and the original.

Gila was inspired by the homepage of [ActiveState](#), an open-source application development company. The name [Gila](#) is a play on the word [Komodo](#), the name of one of ActiveState's products which is based on [the Mozilla project](#).

This template is marked up in [XHTML 1.0 Strict](#) and styled with [CSS](#), allowing for greater compatibility and transformability. The design does not use any tables (unlike [the design's inspiration](#)) resulting in greater design flexibility and cleaner code.

I hope you find this revision to your liking. You are free to use this design for any purpose you wish — personal, commercial or otherwise — without any obligation. If you publish a web site that's based on this template, please [email me](#) your site's [URI](#).

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## Improved Cross-browser Compatibility

I did not test version one of Gila in Opera before submitting it to OSWD. As a result, the original does not render properly in that browser. In contrast, this version of Gila has been fully tested in [Opera](#) (7.01), Gecko ([Mozilla](#) 1.3) and Internet Explorer (6.0) for consistent rendering.

This means that people using [standards-compliant browsers](#) will see the same format and layout of your page.

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## Modified Stylesheets

### News

**? May 03**  
Submitted revised version of Gila to [OSWD](#)

**3 Feb 03**  
Original version of Gila submitted

[more news >>](#)

### Downloads

**Product Delta**  
[info](#) | [download](#)

**Product Echo**  
[info](#) | [download](#)

**Product Foxtrot**  
[info](#) | [download](#)

### Validation

Validate the [XHTML](#) and [CSS](#) of this page.

# HTML

---

```
<!DOCTYPE html>

<html>
  <head>
    <meta http-equiv="content-type" content="application/xhtml+xml; charset=UTF-8" />
    <meta name="author" content="haran" />
    <meta name="generator" content="haran" />

    <link rel="stylesheet" type="text/css" href="./gila-screen.css" media="screen"
    title="Gila (screen)" />

    <title>Gila Two</title>
  </head>

  <body>

    <!-- ##### Header ##### -->

    <div id="header">
      <h1 class="headerTitle">
        <a href="./index" title="Browse to homepage">Gila <span>Two</span></a>
      </h1>

      <div class="subHeader">
        <span class="doNotDisplay">Navigation: </span>
        <a href="./index.html">Products</a> |
        <a href="./index.html">Solutions</a> |
```



```
<a href="./index.html">Store</a> |
<a href="./index.html">Support</a> |
<a href="./index.html">Contact Us</a> |
<a href="./index.html">About Us</a>
</div>
</div>
```

## <div id="side-bar">

```
<!-- ##### Left Sidebar ##### -->
```

### <div class="leftSideBar">

```
<p class="sideBarTitle">This Page</p>
<ul>
  <li><a href="#introduction">Introduction</a></li>
  <li><a href="#cross-browser" title="Improved cross-browser compatibility">Cross-
browser</a></li>
  <li><a href="#stylesheets" title="Modified stylesheets">Stylesheets</a></li>
  <li><a href="#accessibility" title="Improved accessibility">Accessibility</a></li>
</ul>

<p class="sideBarTitle">Branch Navigation</p>
<ul>
  <li><a href="http://www.oswd.org/index.phtml">OSWD Home</a></li>
  <li><a href="http://www.oswd.org/browse.php">Browse Designs</a></li>
  <li><a href="http://www.oswd.org/userinfo.phtml?user=haran">haran&rsquo;s
Designs</a></li>
  <li><span class="thisPage" title="That's this page!">Gila Homepage</span></li>
</ul>

<p class="sideBarTitle">Comments</p>
<span class="sideBarText">
```

```
        Comments and constructive criticisms are welcome
        <a href="http://www.oswd.org/email.phtml?user=haran" title="Email form">via
email</a>.
    </span>
</div>

<!-- ##### Right Sidebar ##### -->

<div class="rightSideBar">
    <p class="sideBarTitle">News</p>

    <div class="sideBarText"><strong>? May 03</strong><br />
        Submitted revised version of Gila to <a href="http://www.oswd.org">OSWD</a></div>

    <div class="sideBarText"><strong>3 Feb 03</strong><br />
        Original version of Gila submitted</div>

    <a href="./index.html" class="more">more news &raquo;</a>

    <p class="sideBarTitle">Downloads</p>

    <div class="sideBarText"><strong>Product Delta</strong><br />
        <a href="./index.html">info</a>&nbsp;|&nbsp;<a
href="./index.html">download</a></div>
    <div class="sideBarText"><strong>Product Echo</strong><br />
        <a href="./index.html">info</a>&nbsp;|&nbsp;<a
href="./index.html">download</a></div>
    <div class="sideBarText"><strong>Product Foxtrot</strong><br />
        <a href="./index.html">info</a>&nbsp;|&nbsp;<a
href="./index.html">download</a></div>

    <p class="sideBarTitle">Validation</p>
```

```
    <div class="sideBarText">Validate the <a
href="http://validator.w3.org/check/referer">XHTML</a>
    and <a href="http://jigsaw.w3.org/css-validator/check/referer">CSS</a> of this
page.</div>
    </div>
```

```
</div>
```

```
<!-- ##### Main Copy ##### -->
```

```
<div id="main-copy">
```

```
    <h1 id="introduction" style="border-top: none; padding-top: 0;">Introduction</h1>
    <p>This is version two of Gila, a revision of the
    <a href="http://www.oswd.org/userinfo.phtml?user=haran">original design</a> I
submitted
    to <a href="http://www.oswd.org"><acronym title="Open Source Web
Design">OSWD</acronym></a>
    in February 2003. Following is a summary of the major differences between this
version and the
    original.</p>
```

```
    <h1 id="stylesheets">Modified Stylesheets</h1>
    <dl>
    <dt>More comprehensive screen stylesheet</dt>
    <dd>The improved cross-browser consistency is a result of Gila's more
comprehensive screen
    stylesheet. Major style parameters are explicitly defined in the stylesheet,
resulting in
```

```
        less dependence on browser-determined defaults and thus fewer rendering
idiosyncrasies.</dd>
        <dt>Removal of colour scheme stylesheet</dt>
        <dd>I've removed the separate colour scheme stylesheet found in the original
version,
        instead incorporating the colour definitions in the single screen stylesheet.</dd>
</dl>
```

```
<h1 id="accessibility">Improved Accessibility</h1>
<p>This version of Gila has improved accessibility features for people with impaired
vision.
    The template tentatively conforms to the <a href="http://www.w3.org/TR/WCAG10">
    <acronym title="Web Content Accessibility Guidelines">WCAG</acronym> double A
rating</a> and
    <a href="http://www.access-board.gov/508.htm">&sect;&nbsp;508</a> guidelines for web
content
    accessibility. The relative simplicity of the template's underlying markup
ensures that
    your page can be easily transformed for rendering in aural, tactile (braille) and
other
    non-visual user agents.</p>
```

```
</div>
```

```
<!-- ##### Footer ##### -->
```

```
<div id="footer">
```

```
<div class="doNotPrint">
    <a href="./index.html">Tell a Friend</a> |
    <a href="./index.html">Privacy Policy</a> |
    <a href="./index.html">Site Map</a> |
    <a href="./index.html">Feedback</a> |
```

```
    <a href="./index.html">Help</a>
</div>

<div>
  Copyright &copy; 2003, Your Company |
  Modified on 2003-May-03 by
  <a href="http://www.oswd.org/email.phtml?user=haran" title="Email the
author">haran</a>
</div>
</div>
</body>
</html>
```

# CSS

---

```
/* *****  
 * TITLE: Gila Screen Stylesheet  *  
 * URI   : gila/gila-screen.css   *  
 * MODIF: 2003-Apr-30 19:09 +0800 *  
***** */
```

```
/* ##### Common Styles ##### */
```

```
body {  
  color: black;  
  background-color: rgb(243,242,235);  
  font-family: verdana, helvetica, arial, sans-serif;  
  font-size: 73%; /* Enables font size scaling in MSIE */  
  margin: 0;  
  padding: 0;  
}
```

```
html > body {  
  font-size: 9pt;  
}
```

```
acronym, .titleTip {  
  border-bottom: 1px dotted rgb(168,140,83);  
  cursor: help;  
  margin: 0;  
  padding: 0;  
}
```

```
.doNotDisplay {
  display: none;
}

.smallCaps {
  font-size: 117%;
  font-variant: small-caps;
}

/* ##### Header ##### */

#header {
  color: inherit;
  background-color: rgb(184,38,25);
}

.headerTitle {
  margin: 0;
  padding: 0.25em 4mm 0.25em 4mm;
}

.headerTitle a {
  color: black;
  background-color: transparent;
  text-decoration: none;
  font-size: 110%; /* For MSIE */
  font-weight: bold;
  font-style: italic;
}
```

```
.headerTitle > a {
  font-size: 138%; /* For fully standards-compliant user agents */
}

.headerTitle span {
  color: white;
  background-color: transparent;
  font-weight: normal;
}

.subHeader {
  color: white;
  background-color: black;
  font-size: 109%;
  text-align: center;
  margin: 0;
  padding: 0.5ex 0;
}

.subHeader a {
  color: white;
  background-color: black;
  text-decoration: none;
  font-weight: bold;
  margin: 0;
  padding: 0 1ex;
}

.subHeader a:hover {
  color: black;
  background-color: white;
}
```



```
}

/* ##### Left Side Bar ##### */

.leftSideBar {
  width: 12.5em;
  float: left;
  clear: left;
}

.leftSideBar .sideBarTitle {
  color: rgb(64,64,64);
  background-color: rgb(230,223,207);
  font-weight: bold;
  margin: 0;
  padding: 0.8ex 1ex;
}

.leftSideBar ul {
  list-style-type: none;
  list-style-position: outside;
  margin: 0 0 1em 0;
  padding: 0;
}

.leftSideBar li {
  margin: 1ex;
  padding: 0 0 1.25ex 0.75ex;
}

.leftSideBar a {
```

```
    color: rgb(166,140,83);
    background-color: transparent;
    text-decoration: none;
}

.leftSideBar a:hover {
    color: rgb(64,64,64);
    background-color: transparent;
    text-decoration: none;
}

.leftSideBar .sideBarText {
    color: rgb(166,140,83);
    background-color: transparent;
    line-height: 1.25em;
    margin: 1ex 0.25ex 1.5em 0.75ex;
    padding: 0;
    display: block;
}

.leftSideBar .sideBarText a {
    text-decoration: underline;
}

.leftSideBar .sideBarText a:hover {
    text-decoration: none;
}

.leftSideBar .thisPage {
    color: rgb(64,64,64);
    background-color: transparent;
    font-weight: bold;
}
```

```
}

/* ##### Right Side Bar ##### */

.rightSideBar {
  width: 13em;
  margin: 2ex 0.75ex 0 0;
  padding: 0;
  float: right;
  clear: right;
  border: 1px solid rgb(216,210,195);
}

[class~="rightSideBar"] {
  margin-right: 1.5ex;
}

.rightSideBar .sideBarTitle {
  color: black;
  background-color: rgb(230,223,207);
  font-weight: bold;
  margin: 1.25ex 1ex;
  padding: 0.9ex 1ex;
}

.rightSideBar a {
  color: rgb(166,140,83);
  background-color: transparent;
  text-decoration: underline;
  font-weight: bold;
}
}
```

```
.rightSideBar a:hover {
  text-decoration: none;
}

.rightSideBar .sideBarText {
  line-height: 1.5em;
  margin: 0;
  padding: 0 2ex 1em 2ex;
}

.rightSideBar .more {
  text-decoration: none;
  text-align: right;
  margin: 0;
  padding: 0 2ex 1em 2ex;
  display: block;
}

.rightSideBar .more:hover {
  text-decoration: underline;
}
```

```
/* ##### Main Copy ##### */
```

```
#main-copy {
  color: black;
  background-color: white;
  text-align: justify;
  line-height: 1.5em;
  margin: 0 0 0 12.5em;
}
```

```
padding: 0.5ex 15em 1em 1em;
border-left: 1px solid rgb(216,210,195);
}

#main-copy h1 {
color: rgb(166,140,83);
background-color: transparent;
font-family: arial, verdana, helvetica, sans-serif;
font-size: 175%;
font-weight: bold;
font-style: italic;
text-align: left;
margin: 1em 0 0 0;
padding: 1em 0 0 0;
border-top: 1px solid rgb(216,210,195);
}

#main-copy a {
color: rgb(168,140,83);
background-color: transparent;
text-decoration: underline;
}

#main-copy a:hover {
text-decoration: none;
}

p {
margin: 1em 0 1.5em 0;
padding: 0;
}
```

```
dt {
  font-weight: bold;
  margin: 0;
  padding: 0 0 0.5ex 0;
}
```

```
dd {
  margin: 0 0 1.5em 1.5em;
  padding: 0;
}
```

```
/* ##### Footer ##### */
```

```
#footer {
  color: black;
  background-color: rgb(230,223,207);
  font-size: 92%;
  text-align: center;
  line-height: 1.25em;
  margin: 0;
  padding: 1em 4mm 1em 4mm;
  clear: both;
}
```

```
#footer div {
  margin: 0;
  padding: 0 0 1ex 0;
}
```

```
#footer a {
  color: black;
```

```
background-color: transparent;  
text-decoration: underline;  
font-weight: bold;  
}
```

```
#footer a:hover {  
    text-decoration: none;  
}
```