

# HTML + CSS

## Desarrollo

## Frontend



# Contenidos

## 1. Html

- a. Historia
- b. Características de HTML5

## 2. CSS

- a. Selectores
- b. Layout
- c. Animaciones y transiciones

## 3. Preprocesamiento

- a. SASS

# 1. Html

```

class="ie ie10"
class="ie ie10"
(IE 8) ]<!-->
attributes(); ?>

php bloginfo( 'charset' ); ?> />
port" content="width=device-width" />
title( '|', true, 'right' ); ?> /title
le" href="http://gmpg.org/xfn/11" />
back" href="http://gmpg.org/xfn/11" />
get_favicon(); ?>
]><script src="http://gmpg.org/xfn/11" />
); ?>

body_class(); ?>
page-header" class="hfeed site">

ne_options = fruitful_get_theme_options();
o_pos = $menu_pos = "";
isset($theme_options['logo_position'])
$logo_pos = esc_attr($theme_options['logo_position']);

(isset($theme_options['menu_position']))
$menu_pos = esc_attr($theme_options['menu_position']);

logo_pos_class = fruitful_get_theme_option('logo_pos_class');
menu_pos_class = fruitful_get_theme_option('menu_pos_class');

responsive_menu_type = (isset($theme_options['responsive_menu_type']))
    ? $theme_options['responsive_menu_type'] : 'responsive';

```

# Historia

Se inicia en 1990 con el proyecto de Tim Berners Lee de uso de hipertexto para recuperar documentos.

## World Wide Web

The WorldWideWeb (W3) is a wide-area [hypermedia](#) information retrieval initiative aiming to give universal access to a large universe of documents.

Everything there is online about W3 is linked directly or indirectly to this document, including an [executive summary](#) of the project, [Mailing lists](#) , [Policy](#) , November's [W3 news](#) , [Frequently Asked Questions](#) .

### [What's out there?](#)

Pointers to the world's online information, [subjects](#) , [W3 servers](#), etc.

### [Help](#)

on the browser you are using

### [Software Products](#)

A list of W3 project components and their current state. (e.g. [Line Mode](#) ,X11 [Viola](#) , [NeXTStep](#) , [Servers](#) , [Tools](#) , [Mail robot](#) , [Library](#) )

### [Technical](#)

Details of protocols, formats, program internals etc

### [Bibliography](#)

Paper documentation on W3 and references.

### [People](#)

A list of some people involved in the project.

### [History](#)

A summary of the history of the project.

### [How can I help ?](#)

If you would like to support the web..

### [Getting code](#)

Getting the code by [anonymous FTP](#) , etc

# Primeros browsers





# La web en los 90

Find It

Product Information

Customer Support

Technology & Research

Developer World

Groups & Interests

Resources Online

About Apple

Apple Sites Worldwide

Switzerland

Taiwan

Turkey

UK & Ireland

United States

Go

Where to Buy

Register to Win

Software Updates

Home Page Archives



# Welcome to Apple



## Introducing CyberDrive

*Register today for a free CD-ROM.*

### EMATE 300

Mobile, Affordable, & Smart



### MOVIES FROM MARS

QuickTime VR Takes You Out of this World



What's Hot

#### Preorder Mac OS 8

Now you can [preorder Mac OS 8](#), described by Macworld as "the most comprehensive update to the Mac OS in years, sporting a bold new look, a speedier Finder, more shortcuts and integrated Internet functions."

#### Be the First to Know

Learn about new Macintosh software releases the moment they become available. Check [Hot Mac Products](#) to hear about programs like Speed Demon, ReBirth RB-338 and QuickCRC.

#### Want a PowerBook?

Qualify to win a [PowerBook 3400/200](#) by [entering](#) this month's Apple Registration Sweepstakes.

#### Newton Connects

Newton, Inc., will enhance network connectivity for Newton-based devices this fall via [Newton Internet Enabler 2.0](#). Ethernet capability can connect devices to Local Area Networks.

#### Big Help for Small Biz Find

Periodo  
1997-2001  
Burbuja de  
empresas  
“.com”



# Historial de versiones

1989 Tim Berners-Lee invented www

1991 Tim Berners-Lee invented HTML

1993 Dave Raggett drafted HTML+

1995 HTML Working Group defined HTML 2.0

1997 W3C Recommendation: HTML 3.2

1999 W3C Recommendation: HTML 4.01

2000 W3C Recommendation: XHTML 1.0

2008 WHATWG HTML5 First Public Draft

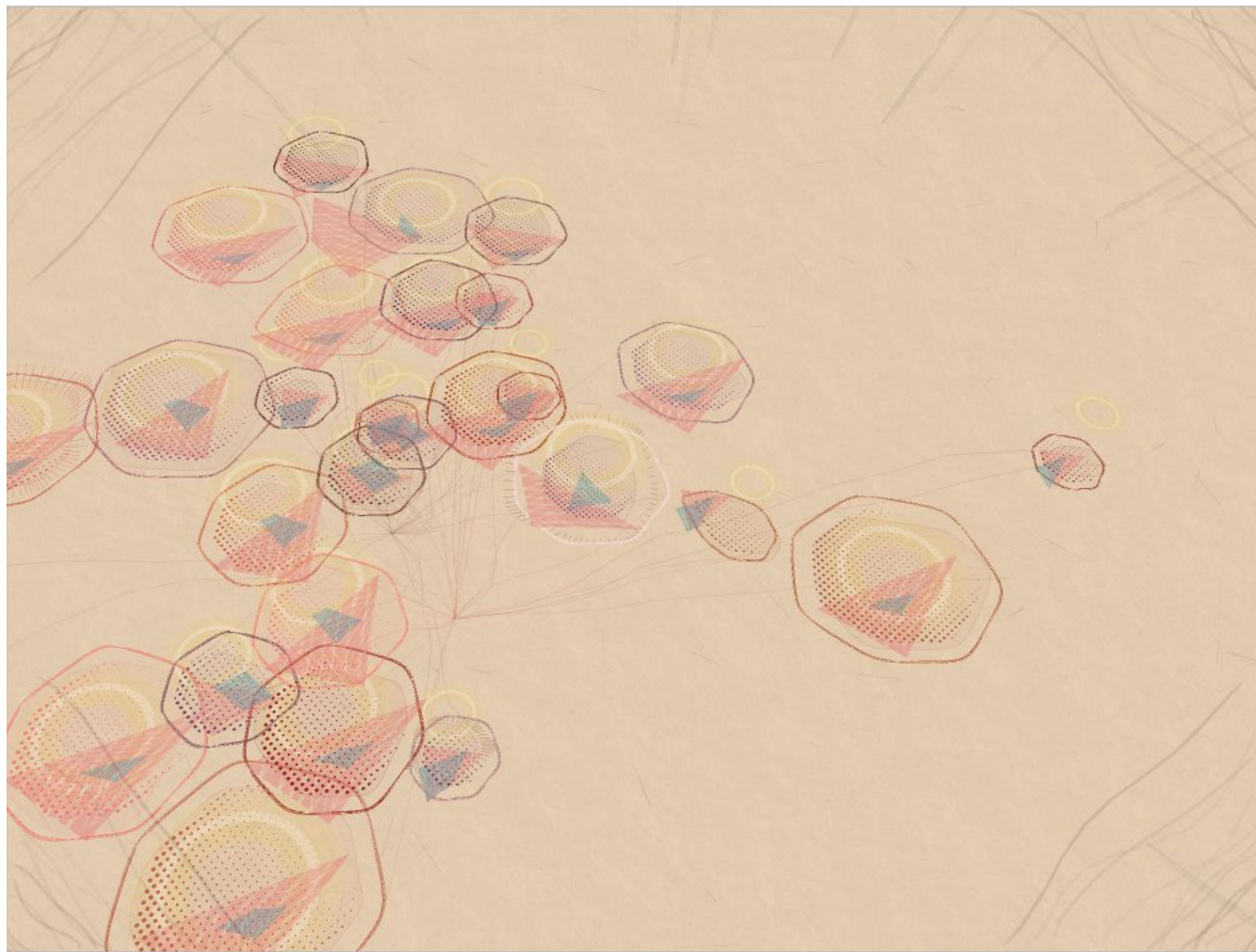
2012 WHATWG HTML5 Living Standard

2014 W3C Recommendation: HTML5

2016 W3C Candidate Recommendation: HTML 5.1



Actualmente

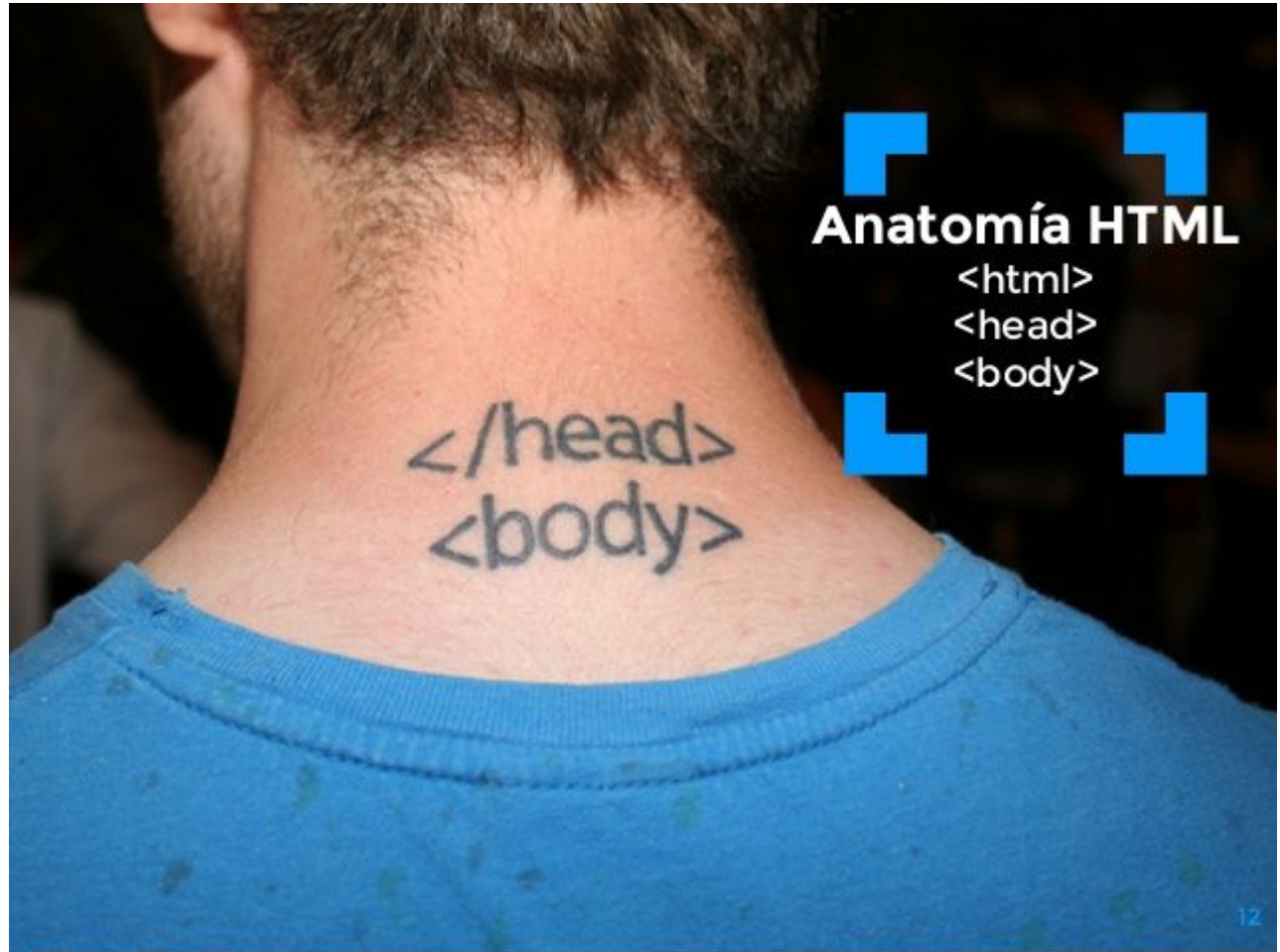


<http://rat.systems/selfless-society/>

# Estructura de HTML5

```
<!DOCTYPE html>
<html>
  <head>
    <script>document.createElement("myHero")</script>
    <style>
      myHero {
        display: block;
        background-color: #dddddd;
        padding: 50px;
        font-size: 30px;
      }
    </style>
  </head>
  <body>
    <h1>A Heading</h1>
    <myHero>My Hero Element</myHero>
  </body>
</html>
```

# Estructura de HTML5



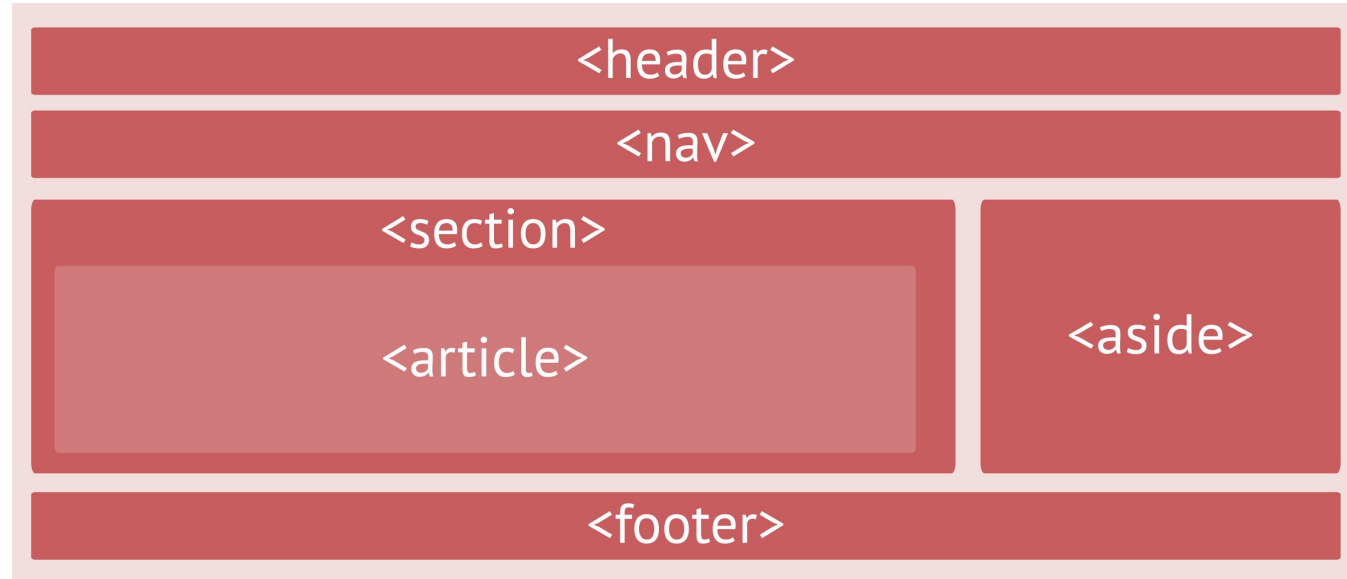
## Algunas características de HTML5

- Etiquetas
  - Etiquetas semánticas
  - Mejoras en formularios
- Elementos gráficos
  - SVG
  - Canvas
  - WebGL
- Almacenamiento
  - Recursos sin conexión
  - Local Storage
  - IndexedDB
- Conectividad
  - WebSockets
  - Comunicación en tiempo real
- Multimedia
  - Etiquetas para audio y video
  - Streaming

<https://developer.mozilla.org/es/docs/HTML/HTML5>

# HTML5

## Etiquetas semánticas



## 2.

CSS

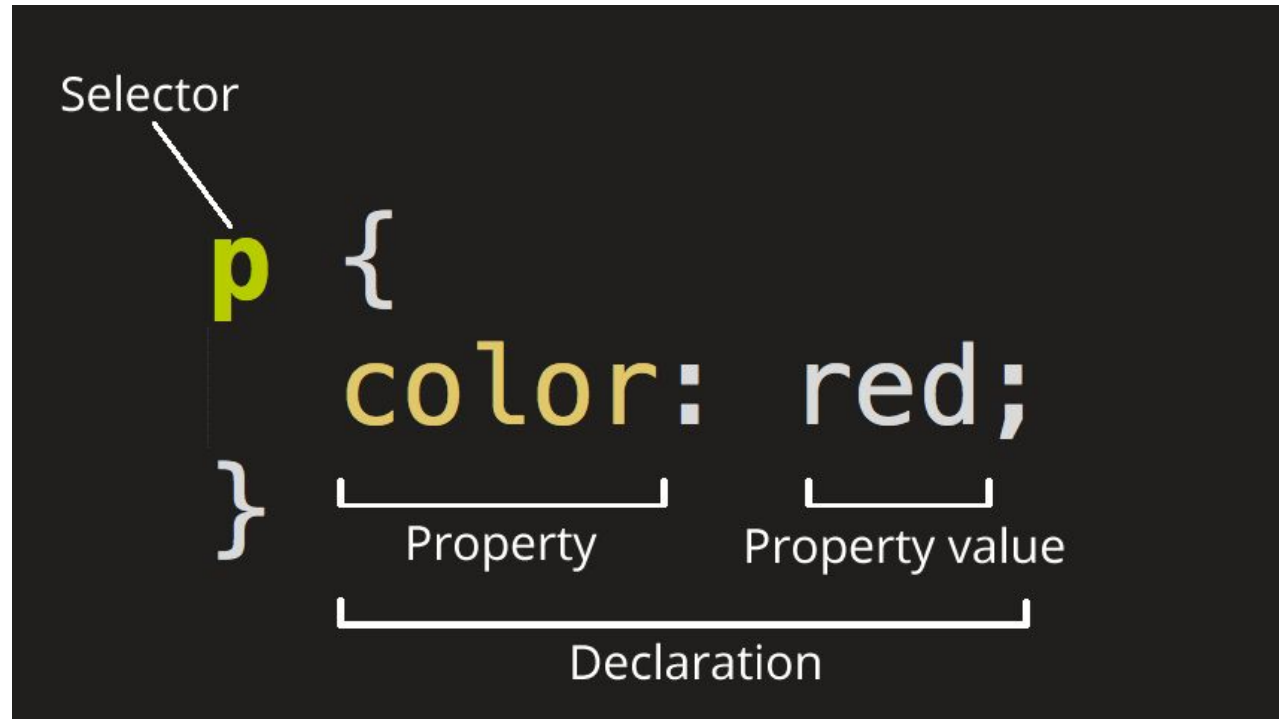


```
body {  
    font: x-small;  
    background: #  
    color: black;  
    margin: 0;  
    padding: 0;
```





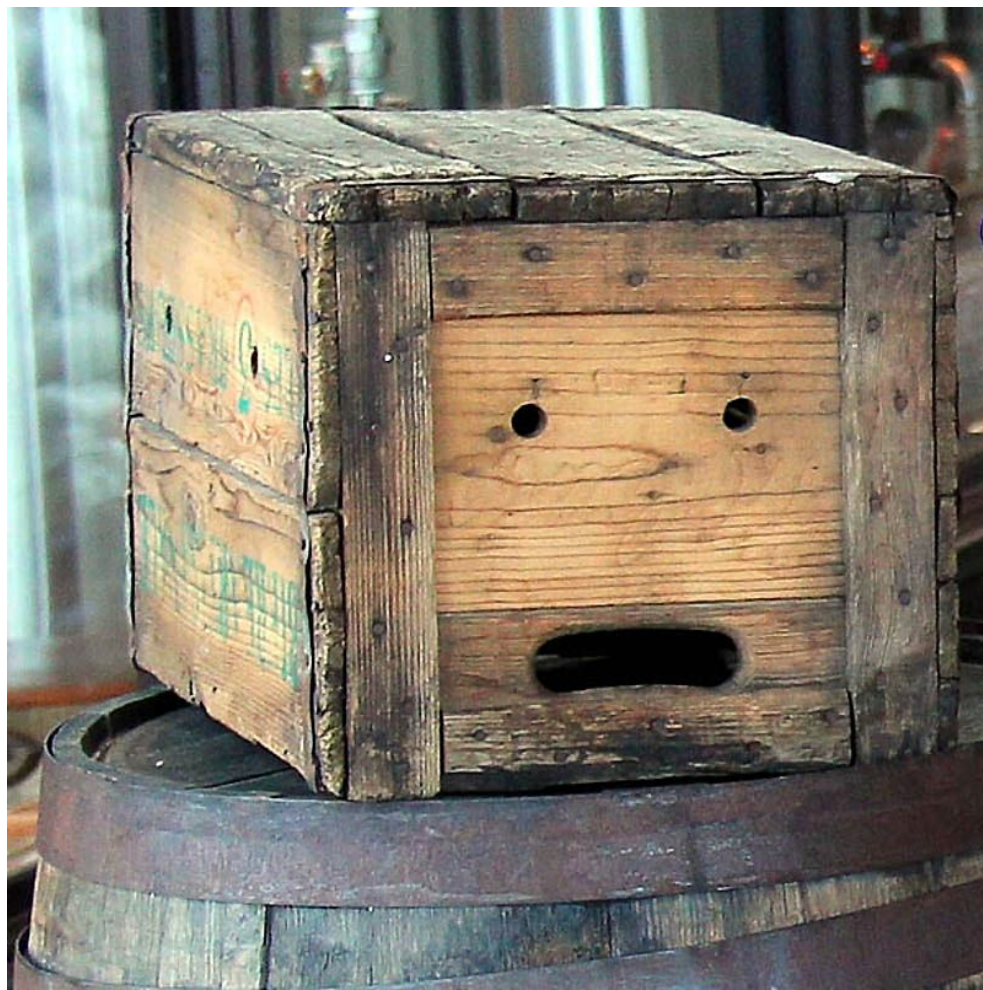
# Estructura



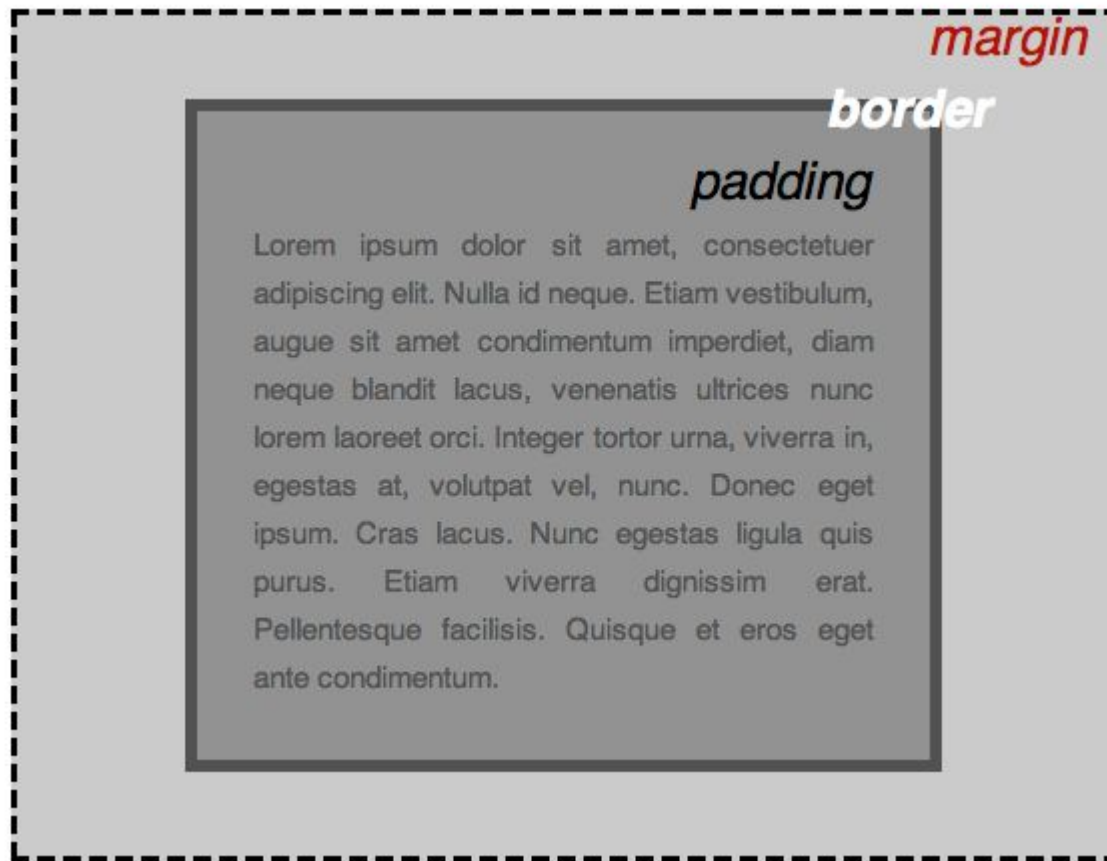
# Selectores

Selector name	What does it select	Example
Element selector (sometimes called a tag or type selector)	All HTML element(s) of the specified type.	<b>p</b> Selects <p>
ID selector	The element on the page with the specified ID (on a given HTML page, you're only allowed one element per ID).	<b>#my-id</b> Selects <p id="my-id"> or <a id="my-id">
Class selector	The element(s) on the page with the specified class (multiple class instances can appear on a page).	<b>.my-class</b> Selects <p class="my-class"> and <a class="my-class">
Attribute selector	The element(s) on the page with the specified attribute.	<b>img[src]</b> Selects  but not <img>
Pseudo-class selector	The specified element(s), but only when in the specified state, e.g. being hovered over.	<b>a:hover</b> Selects <a>, but only when the mouse pointer is hovering over the link.

# Modelo de Caja

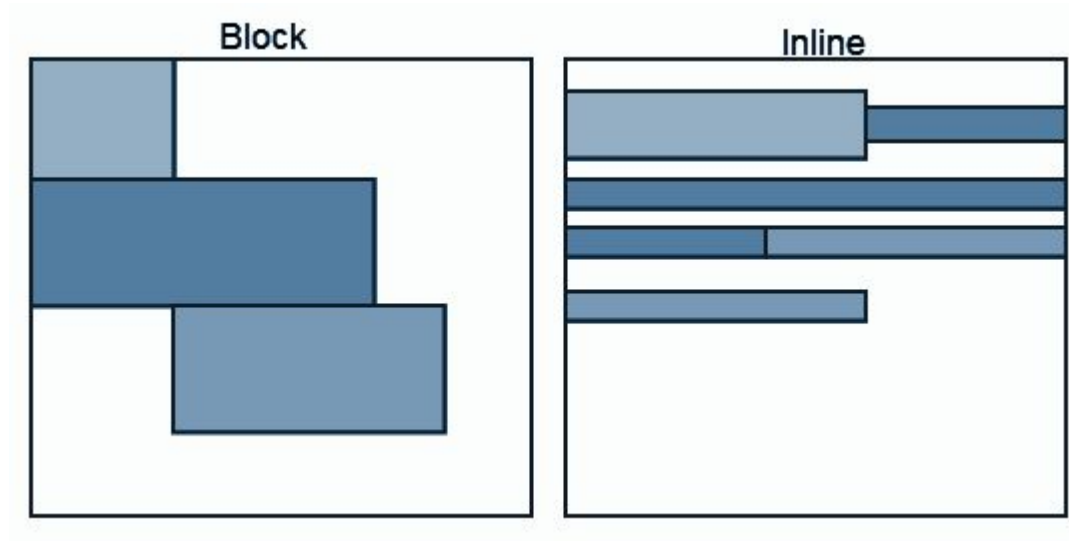


# Modelo de Caja



# Display

- Block
- Inline
- inline-block



# Flotante

```
HTML
2
3 ~ <h1>2 column layout example</h1>
4 ~ <div>
5 ~   <h2>First column</h2>
6 ~   <p> Lorem ipsum dolor sit amet, consectetur adipiscing
      elit. Nulla luctus aliquam dolor, eu lacinia lorem
      placerat vulputate.</p>
7 ~ </div>
8
9 ~ <div>
10 ~   <h2>Second column</h2>
11 ~   <p> Nam vulputate diam nec tempor bibendum. Donec luctus
      augue eget malesuada ultrices. Phasellus turpis est,
      posuere sit amet dapibus ut.</p>
12 ~ </div>
13

CSS
1 ~ div:nth-of-type(1) {
2 ~   color: #332252;
3 ~   width: 48%;
4 ~   float: left;
5 ~ }
6
7 ~ div:nth-of-type(2) {
8 ~   color: #CF0B63;
9 ~   width: 48%;
10 ~  float: right;
11 ~ }
12 ~ body {
13 ~   width: 90%;
14 ~   max-width: 900px;
15 ~   margin: 0 auto;
16 ~ }
17
```

## 2 column layout example

### First column

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla luctus aliquam dolor, eu lacinia lorem placerat vulputate.

### Second column

Nam vulputate diam nec tempor bibendum. Donec luctus augue eget malesuada ultrices. Phasellus turpis est, posuere sit amet dapibus ut.



# Posicionamiento

- Static
- Fixed
- Relative
- Absolute

[https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS\\_layout/Introduction](https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Introduction)

# Relative

## Relative positioning

I am a basic block level element.

This is my relatively positioned element.

I am a basic block level element.

# Absolute

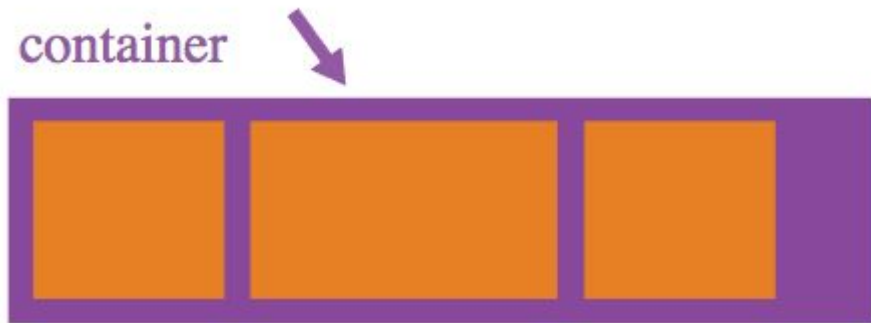
## Absolute positioning

This is my absolutely positioned element.

I am a basic block level element.

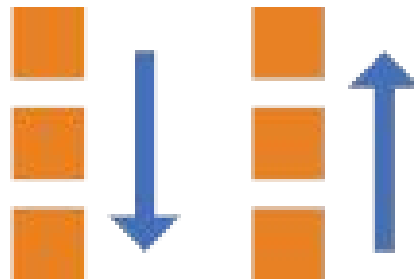
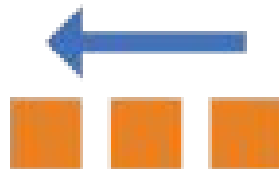
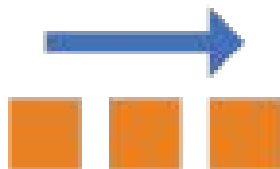
I am a basic block level element.

# Flex



# Flex Dirección

## flex-direction



# Flex

## Justificar Contenido

flex-start



flex-end



center



space-between



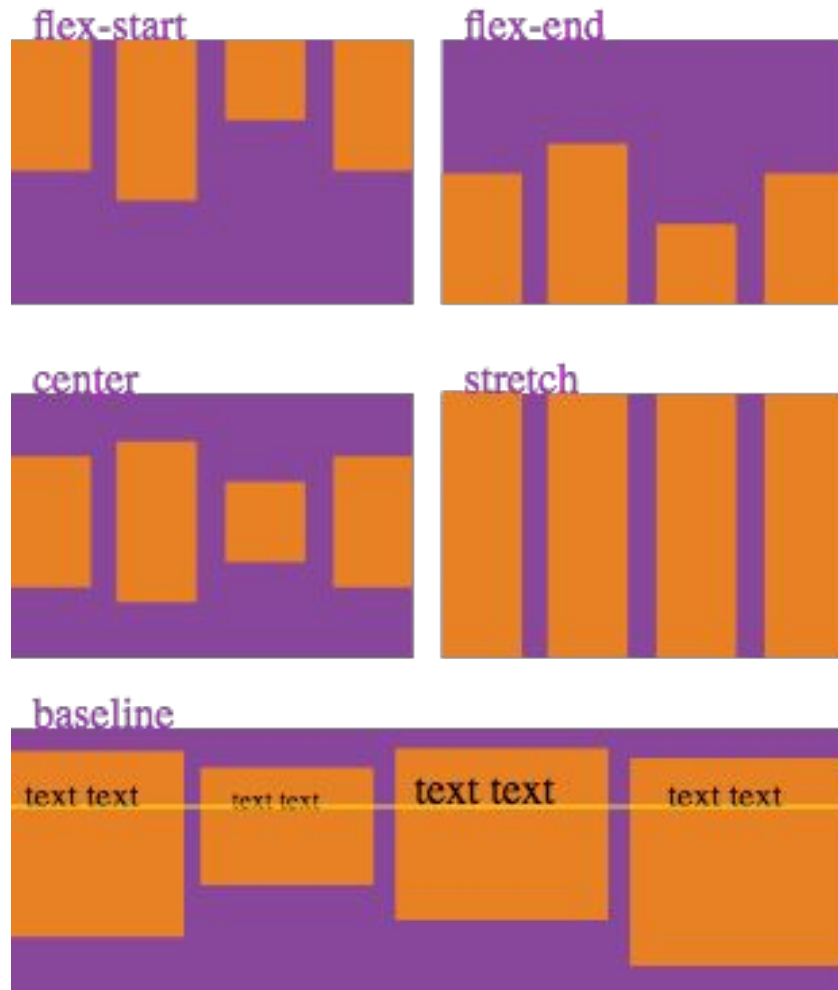
space-around



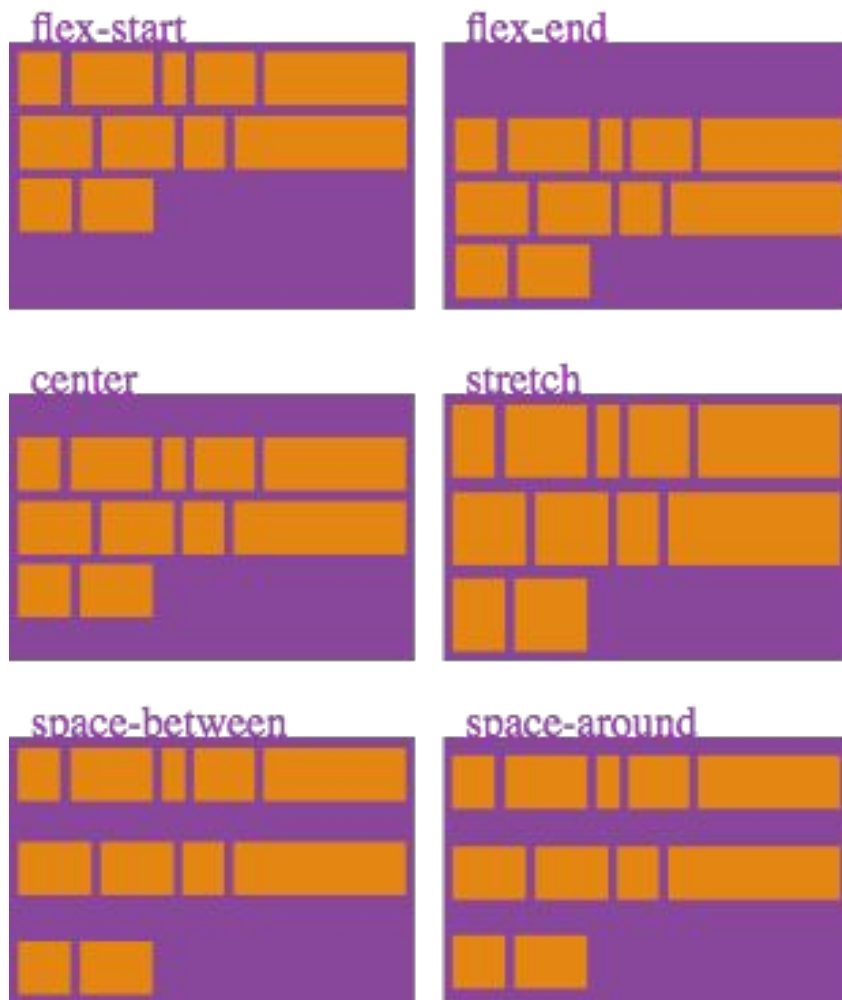


# Flex

## Aligner ítems



# Flex Alinear contenido

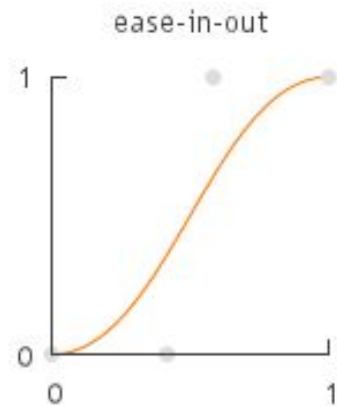
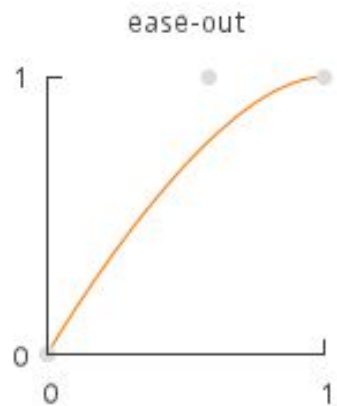
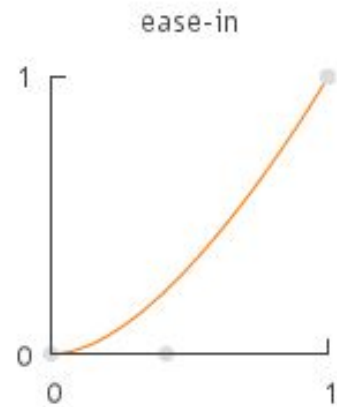
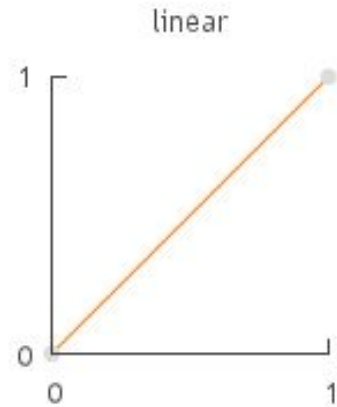
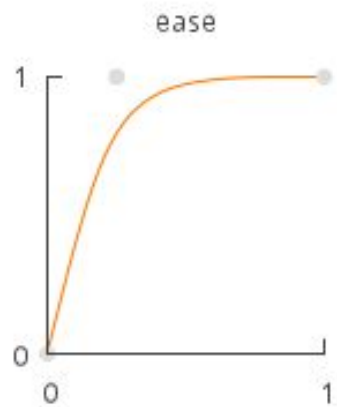


# Transiciones

```
div {  
    width: 100px;  
    height: 100px;  
    background: red;  
    -webkit-transition: width 2s;  
    /* Safari */  
    transition: width 2s;  
}
```

[https://www.w3schools.com/css/css3\\_transitions.asp](https://www.w3schools.com/css/css3_transitions.asp)

# Timing functions



# Media queries

```
@media screen and (max-width: 1000px) {
```

```
#content { width: 100% }
```

```
}
```

# Animaciones

```
.element {  
  animation: pulse 5s infinite;  
}
```

```
@keyframes pulse {  
  0% {  
    background-color: #001F3F;  
  }
```

```
  100% {  
    background-color: #FF4136;  
  }
```

<https://css-tricks.com/almanac/properties/a/animation/>



Más  
información

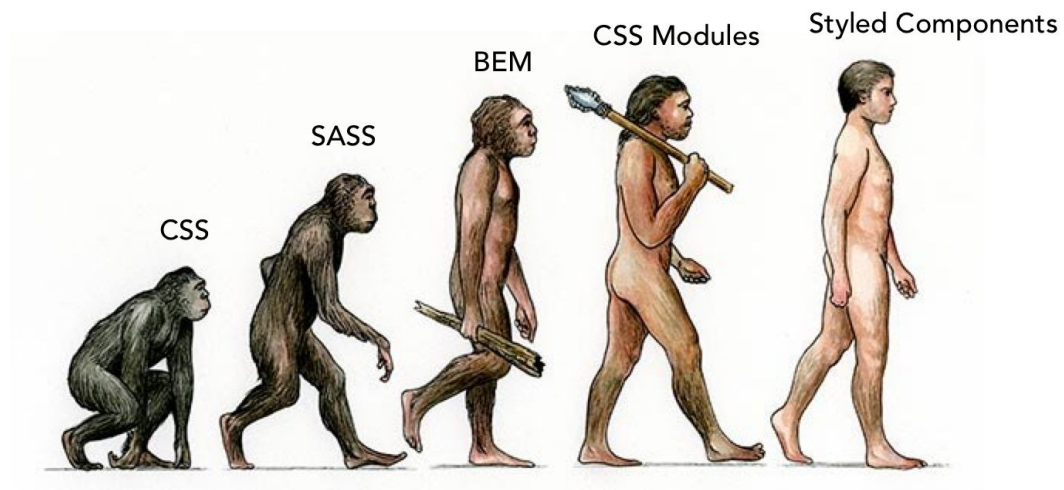
<http://www.htmldog.com/guides/css/advanced/>

# 2.1

Preprocesamiento  
CSS



# Evolución de CSS



<https://m.alphasights.com/css-evolution-from-css-sass-bem-css-modules-to-styled-components-d4c1da3a659b>

SASS



# Variables

```
$font-stack: Helvetica,
```

```
sans-serif;
```

```
$primary-color: #333;
```

```
body {
```

```
  font: 100% $font-stack;
```

```
  color: $primary-color;
```

```
}
```

# Variables

```
body {  
    font: 100% Helvetica, sans-serif;  
    color: #333;  
}
```

# Anidación

```
nav {  
  
  ul {  
  
    margin: 0;  
  
    padding: 0;  
  
    list-style: none;  
  
  }  
  
  li { display: inline-block; }  
  
}
```

Más  
información

<http://sass-lang.com/guide>



# Gracias por su atención



Consultas a:

- [diego.avila@usach.cl](mailto:diego.avila@usach.cl)

