

<Uso de estilos. Selectores>

Diseño de Interfaces Web

CSS3
Cascading Style Sheets Level 3

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ATRIBUTOS

Selectores de atributos

Permiten seleccionar elementos HTML en función de sus atributos y/o valores de esos atributos.

| | |
|--|--|
| E[atr] | No importa el valor del atributo sólo si cuenta con él. |
| E[atr="valor exacto"] | Elementos que tengan un determinado atributo y su valor se igual que el que nosotros hemos especificado. |
| E[atr~="valor"] | Elementos que tengan en el valor de un atributo una lista de palabras y una de ellas coincida. |
| E[atr =“valor”] | Elementos en los que el valor de su atributo comience por una determinada palabra y a su vez lleve un guion. |
| E[atr^="primera parte del valor"] | Elementos que tengan el atributo seleccionado y su valor comience por unos caracteres en concreto. |
| E[atr\$="última parte del valor"] | Elementos que tengan el atributo seleccionado y su valor termine por unos caracteres en concreto. |
| E[atr*="cualquier parte del valor"] | Elementos que tengan el atributo seleccionado y en su valor unos caracteres concretos, sin importar la posición de éstos |

```

<section id="rob" itemscope itemtype="http://microformats.org/profile/hcard">
  <h1 itemprop="fn">Roberto Tero</h1>
  <p itemprop="n" itemscope>Nombre completo:
    <span itemprop="given-name">Roberto</span>
    <span itemprop="additional-name">María</span>
    <span itemprop="family-name">Tero</span>
  </p>
  <p itemprop="org" itemscope>
    <span itemprop="organization-name">Publicaciones Unpublished Co.</span>
    (<span itemprop="organization-unit">Serie HTML</span>)
  </p>
</section>

```

ROBERTO TERO

NOMBRE COMPLETO: ROBERTO MARÍA TERO

PUBLICACIONES UNPUBLISHED CO. (SERIE HTML)

Existencia → [atributo]

Selecciona todos los elementos que cuenten con el *atributo* sin importar su valor

```
[itemscope] {  
  outline: 4px dashed black;  
}
```

SELECCIONA LOS ELEMENTOS QUE
CUENTEN CON EL ATRIBUTO
ITEMSCOPE



Existencia → [atributo]

```
p[itemscope] {  
  outline: 4px dashed black;  
}
```

SELECCIONA LOS PÁRRAFOS QUE
CUENTEN CON EL ATRIBUTO
ITEMSCOPE

ROBERTO TERO

| NOMBRE COMPLETO: ROBERTO MARÍA TERO |

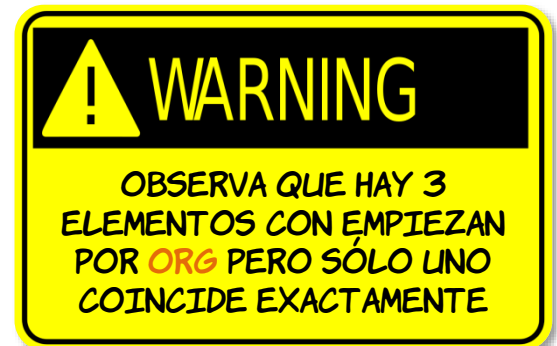
| PUBLICACIONES UNPUBLISHED CO. (SERIE HTML) |

Valor exacto → [atributo="valor"]

Selecciona todos los elementos que cuenten con el *atributo* y coincida su valor con *valor*.

```
[itemprop="org"] {
  outline: 4px dashed black;
}
```

SELECCIONA LOS ELEMENTOS
QUE CUENTEN CON EL ATRIBUTO
ITEMSCOPE CUYO VALOR SEA **ORG**



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Comienza por → [atributo^="valor"]

Selecciona todos los elementos que cuenten con el *atributo* y empiecen por *valor*.

```
[itemprop^="org"] {  
  outline: 4px dashed black;  
  display: block;  
}
```

SELECCIONA LOS ELEMENTOS
QUE CUENTEN CON EL
ATRIBUTO **ITEMSCOPE** CUYO
VALOR EMPIECE POR **ORG**

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SERIE HTML

Separados por guiones → [atributo]="valor"]

Selecciona todos los elementos que cuenten con el *atributo* y contengan *valor*-.

```
[itemprop="family"] {  
  outline: 4px dashed black;  
  display: block;  
}
```

SELECCIONA LOS ELEMENTOS
QUE CUENTEN CON EL ATRIBUTO
ITEMSCOPE CUYO VALOR
CONTENGA **FAMILY**-

ROBERTO TERO

NOMBRE COMPLETO: ROBERTO MARÍA

[- - - - -]
| TERO |
[- - - - -]

PUBLICACIONES UNPUBLISHED CO. (SERIE HTML)

El identificador no sensible a mayúsculas: i

CSS Selectores nivel 4 introduce una opción de insensibilidad a mayúsculas y minúsculas para los selectores de atributos. Incluir una *i* antes del corchete de cierre permitirá que el selector haga coincidir los valores de los atributos sin tener en cuenta las mayúsculas y minúsculas, independientemente de las reglas del lenguaje del documento (XHTML, HTML5, ...).

```
a [href $='.PDF' i] {  
  font-weight: bold;  
}
```

COINCIDIRÁ CON CUALQUIER
ELEMENTO CUYO VALOR DE
ATRIBUTO **HREF** TERMINE EN **.PDF**,
INDEPENDIENTEMENTE DE LA
MAYÚSCULA DE LAS LETRAS PD Y F

LA OPCIÓN DE INSENSIBILIDAD
ESTÁ DISPONIBLE PARA TODOS
LOS SELECTORES DE ATRIBUTOS
QUE HEMOS CUBIERTO

Ten en cuenta, sin embargo, que esto solo se aplica a los valores de los selectores de atributos. No aplica la insensibilidad de mayúsculas/minúsculas a los nombres de los atributos.



INTERACCIÓN CON EL USUARIO

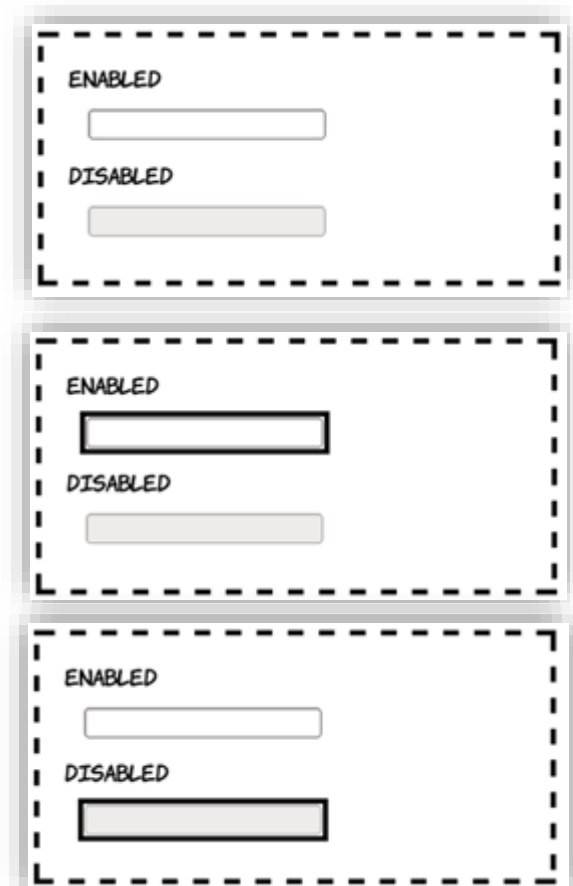
:enabled
:disabled

Se pueden utilizar en los controles de un formulario para aplicar estilos en función del estado de los mismos.

```
<label>Enabled  
  <input type="text">  
</label>  
<label>Disabled  
  <input type="text" disabled>  
</label>
```

```
input:enabled {  
  outline: 4px solid #000; }
```

```
input:disabled {  
  outline: 4px solid #000; }
```



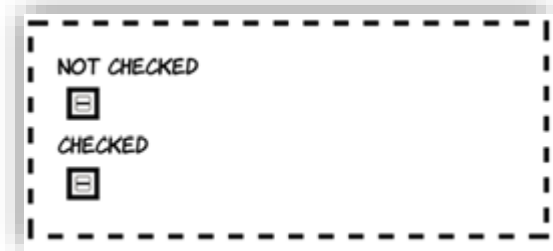
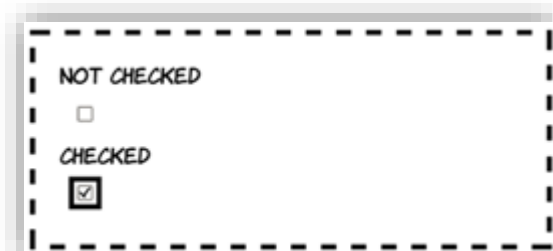
:INDETERMINATE ES
INDEPENDIENTE DE
:CHECKED

:checked Sólo se aplican a controles del tipo
:indeterminate *checkbox*

```
<label>Not checked
  <input type="checkbox">
</label>
<label>Checked
  <input type="checkbox" checked>
</label>
```

```
input:checked {
  outline: 4px solid #000; }
```

```
input:indeterminate {
  outline: 4px solid #000; }
```



:valid
:invalid

Se pueden utilizar en los controles de un formulario para aplicar estilos en función de la validez de la entrada en los mismos.

```
<label>Valid  
  <input type="url" value="http://google.com">  
</label>  
<label>Invalid  
  <input type="url" value="URL no válida">  
</label>
```

```
input:valid {  
  outline: 4px solid #000; }
```

```
input:invalid {  
  outline: 4px solid #000; }
```

VALID
http://google.com

INVALID
URL no válida

VALID
http://google.com

INVALID
URL no válida

VALID
http://google.com

INVALID
URL no válida

:required :optional

Se pueden utilizar en los controles de un formulario para aplicar estilos en función si requieren o no acción por parte del usuario

```
<label>Required  
  <input type="text" required>  
</label>  
<label>Optional  
  <input type="text">  
</label>
```

```
input:required {  
  outline: 4px solid #000; }
```

```
input:optional {  
  outline: 4px solid #000; }
```

REQUIRED
OPTIONAL

REQUIRED
OPTIONAL

REQUIRED
OPTIONAL

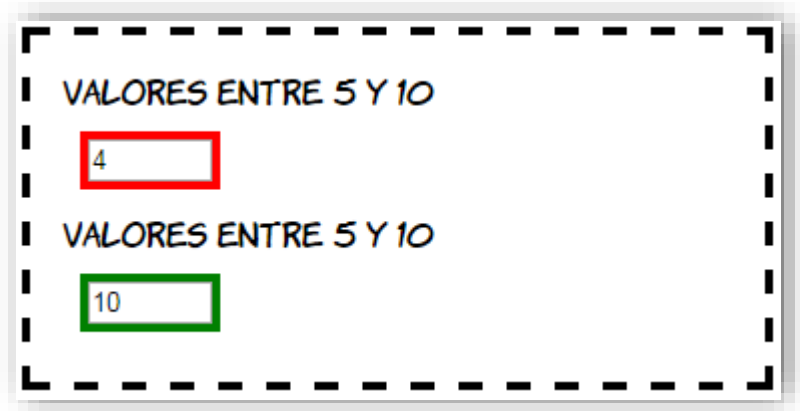
:in-range :out-of-range

Se pueden utilizar en los controles de entrada para aplicar estilos en función si sus valores están dentro (fuera) de un rango dado

```
<input type="number" min="5" max="10">
```

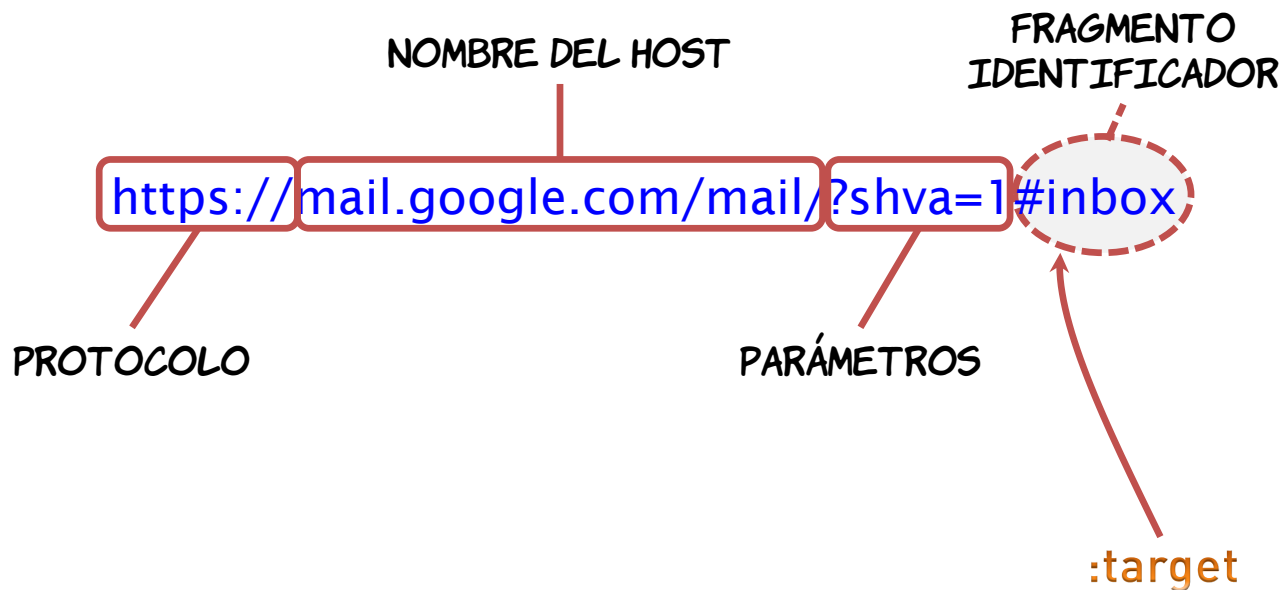
```
input:in-range {  
  outline: 4px solid green; }
```

```
input:out-of-range {  
  outline: 4px solid red; }
```



Identificadores de fragmentos

Una cadena después del símbolo # especifica secciones dentro de un documento largo.



:target

ID="ONE"

I NEVER AM REALLY SATISFIED THAT I UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME. HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC. ETC.

ID="TWO"

IN ALMOST EVERY COMPUTATION A GREAT VARIETY OF ARRANGEMENTS FOR THE SUCCESSION OF THE PROCESSES IS POSSIBLE. AND VARIOUS CONSIDERATIONS MUST INFLUENCE THE SELECTIONS AMONGST THEM FOR THE PURPOSES OF A CALCULATING ENGINE. ONE ESSENTIAL OBJECT IS TO CHOOSE THAT ARRANGEMENT WHICH SHALL TEND TO REDUCE TO A MINIMUM THE TIME NECESSARY FOR COMPLETING THE CALCULATION.

ID="THREE"

MANY PERSONS WHO ARE NOT CONVERSANT WITH MATHEMATICAL STUDIES IMAGINE THAT BECAUSE THE BUSINESS OF [BABBAGE'S ANALYTICAL ENGINE] IS TO GIVE ITS RESULTS IN NUMERICAL NOTATION, THE NATURE OF ITS PROCESSES MUST CONSEQUENTLY BE ARITHMETICAL AND NUMERICAL, RATHER THAN ALGEBRAICAL AND ANALYTICAL. THIS IS AN ERROR. THE ENGINE CAN ARRANGE AND COMBINE ITS NUMERICAL QUANTITIES EXACTLY AS IF THEY WERE LETTERS OR ANY OTHER GENERAL SYMBOLS; AND IN FACT IT MIGHT BRING OUT ITS RESULTS IN ALGEBRAICAL NOTATION, WERE PROVISIONS MADE ACCORDINGLY.

ID="FOUR"

THE ANALYTICAL ENGINE HAS NO PRETENSIONS WHATEVER TO ORIGINATE ANYTHING. IT CAN DO WHATEVER WE KNOW HOW TO ORDER IT TO PERFORM. IT CAN FOLLOW ANALYSIS, BUT IT HAS NO POWER OF ANTICIPATING ANY ANALYTICAL REVELATIONS OR TRUTHS. ITS PROVINCE IS TO ASSIST US IN MAKING AVAILABLE WHAT WE ARE ALREADY ACQUAINTED WITH.

:target

```
p:target {
  background-color: #000;}

```

<http://host/target.html#one>
<http://host/target.html#three>


IN ALMOST EVERY COMPUTATION A GREAT VARIETY OF ARRANGEMENTS FOR THE SUCCESSION OF THE PROCESSES IS POSSIBLE, AND VARIOUS CONSIDERATIONS MUST INFLUENCE THE SELECTIONS AMONGST THEM FOR THE PURPOSES OF A CALCULATING ENGINE. ONE ESSENTIAL OBJECT IS TO CHOOSE THAT ARRANGEMENT WHICH SHALL TEND TO REDUCE TO A MINIMUM THE TIME NECESSARY FOR COMPLETING THE CALCULATION.

MANY PERSONS WHO ARE NOT CONVERSANT WITH MATHEMATICAL STUDIES IMAGINE THAT BECAUSE THE BUSINESS OF [BABBAGE'S ANALYTICAL ENGINE] IS TO GIVE ITS RESULTS IN NUMERICAL NOTATION, THE NATURE OF ITS PROCESSES MUST CONSEQUENTLY BE ARITHMETICAL AND NUMERICAL, RATHER THAN ALGEBRAICAL AND ANALYTICAL. THIS IS AN ERROR. THE ENGINE CAN ARRANGE AND COMBINE ITS NUMERICAL QUANTITIES EXACTLY AS IF THEY WERE LETTERS OR ANY OTHER GENERAL SYMBOLS; AND IN FACT IT MIGHT BRING OUT ITS RESULTS IN ALGEBRAICAL NOTATION, WERE PROVISIONS MADE ACCORDINGLY.

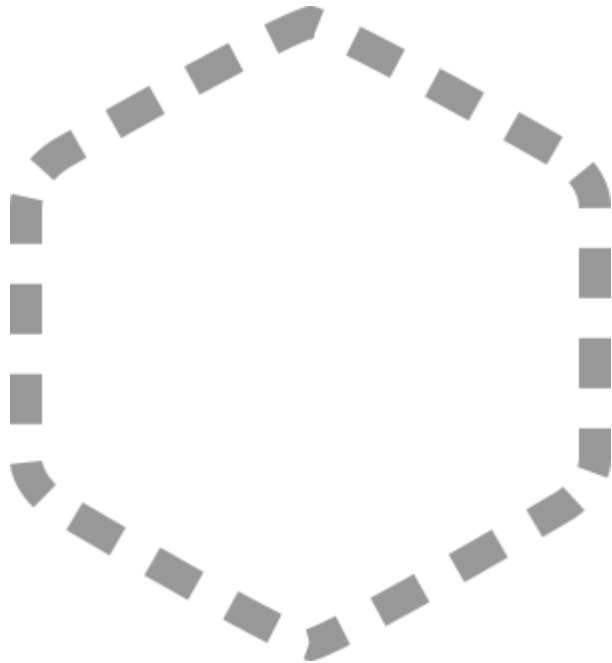
THE ANALYTICAL ENGINE HAS NO PRETENSIONS WHATEVER TO ORIGINATE ANYTHING. IT CAN DO WHATEVER WE KNOW HOW TO ORDER IT TO PERFORM. IT CAN FOLLOW ANALYSIS, BUT IT HAS NO POWER OF ANTICIPATING ANY ANALYTICAL REVELATIONS OR TRUTHS. ITS PROVINCE IS TO ASSIST US IN MAKING AVAILABLE WHAT WE ARE ALREADY ACQUAINTED WITH.

I NEVER AM REALLY SATISFIED THAT I UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME, HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC., ETC.

IN ALMOST EVERY COMPUTATION A GREAT VARIETY OF ARRANGEMENTS FOR THE SUCCESSION OF THE PROCESSES IS POSSIBLE, AND VARIOUS CONSIDERATIONS MUST INFLUENCE THE SELECTIONS AMONGST THEM FOR THE PURPOSES OF A CALCULATING ENGINE. ONE ESSENTIAL OBJECT IS TO CHOOSE THAT ARRANGEMENT WHICH SHALL TEND TO REDUCE TO A MINIMUM THE TIME NECESSARY FOR COMPLETING THE CALCULATION.



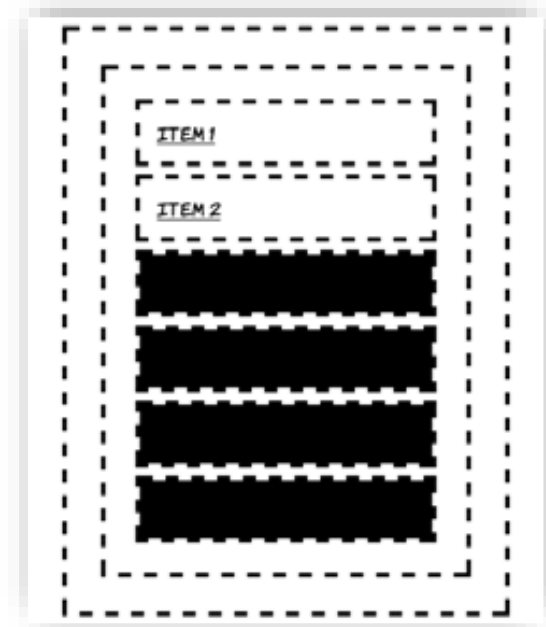
THE ANALYTICAL ENGINE HAS NO PRETENSIONS WHATEVER TO ORIGINATE ANYTHING. IT CAN DO WHATEVER WE KNOW HOW TO ORDER IT TO PERFORM. IT CAN FOLLOW ANALYSIS, BUT IT HAS NO POWER OF ANTICIPATING ANY ANALYTICAL REVELATIONS OR TRUTHS. ITS PROVINCE IS TO ASSIST US IN MAKING AVAILABLE WHAT WE ARE ALREADY ACQUAINTED WITH.



QUIÉN NO

:not

```
li:not(:nth-child(-n+2)) {  
  background-color: #000;}  
}
```





PSEUDO ELEMENTOS

::first-line

Selecciona la primera línea de texto de un elemento.

::first-letter

Selecciona la primera letra de la primera línea de texto de un elemento.

I NEVER AM REALLY SATISFIED THAT I UNDERSTAND
ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY,
MY COMPREHENSION CAN ONLY BE AN
INFINITESIMAL FRACTION OF ALL I WANT TO
UNDERSTAND ABOUT THE MANY CONNECTIONS AND
RELATIONS WHICH OCCUR TO ME, HOW THE MATTER
IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED
AT, ETC., ETC.

Las clases no 'funcionan' en estos casos

I NEVER AM REALLY

SATISFIED THAT I UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME. HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC., ETC.

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I NEVER AM REALLY

SATISFIED THAT I UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME. HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC., ETC.

```
p::first-line {  
    background-color: #000;}
```

```
p::first-letter {  
    background-color: #000;}
```

UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME, HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC., ETC.

VARIETY OF ARRANGEMENTS FOR THE SUCCESSION OF THE PROCESSES IS POSSIBLE, AND VARIOUS CONSIDERATIONS MUST INFLUENCE THE SELECTIONS AMONGST THEM FOR THE PURPOSES OF A CALCULATING ENGINE. ONE ESSENTIAL OBJECT IS TO CHOOSE THAT ARRANGEMENT WHICH SHALL TEND TO REDUCE TO A MINIMUM THE TIME NECESSARY FOR COMPLETING THE CALCULATION.

NEVER AM REALLY SATISFIED THAT I UNDERSTAND ANYTHING; BECAUSE, UNDERSTAND IT WELL AS I MAY, MY COMPREHENSION CAN ONLY BE AN INFINITESIMAL FRACTION OF ALL I WANT TO UNDERSTAND ABOUT THE MANY CONNECTIONS AND RELATIONS WHICH OCCUR TO ME, HOW THE MATTER IN QUESTION WAS FIRST THOUGHT OF OR ARRIVED AT, ETC., ETC.

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M ANY PERSONS WHO ARE NOT CONVERSANT WITH MATHEMATICAL STUDIES IMAGINE THAT BECAUSE THE BUSINESS OF [BABBAGE'S ANALYTICAL ENGINE] IS TO GIVE ITS RESULTS IN NUMERICAL NOTATION, THE NATURE OF ITS PROCESSES MUST CONSEQUENTLY BE ARITHMETICAL AND NUMERICAL, RATHER THAN ALGEBRAICAL AND ANALYTICAL. THIS IS AN ERROR. THE ENGINE CAN ARRANGE AND COMBINE ITS NUMERICAL QUANTITIES EXACTLY AS IF THEY WERE LETTERS OR ANY OTHER GENERAL SYMBOLS: AND IN FACT IT MIGHT BRING OUT ITS RESULTS IN ALGEBRAICAL NOTATION, WERE PROVISIONS MADE ACCORDINGLY.

T HE ANALYTICAL ENGINE HAS NO PRETENSIONS WHATEVER TO ORIGINATE ANYTHING. IT CAN DO WHATEVER WE KNOW HOW TO ORDER IT TO PERFORM. IT CAN FOLLOW ANALYSIS, BUT IT HAS NO POWER OF ANTICIPATING ANY ANALYTICAL REVELATIONS OR TRUTHS. ITS PROVINCE IS TO ASSIST US IN MAKING AVAILABLE WHAT WE ARE ALREADY ACQUAINTED WITH.

```
p {
    text-align: justify;
    clear: left;}

p::first-letter {
    font-size: 400%;
    float: left;
    line-height: 1em;
    padding-right: 0.1em;}

p::first-line { font-size: 150%;}
```

::before
::after Permiten insertar contenido antes y después de elementos HTML

```
blockquote::before {  
  content: url("/img/bq1.gif") ;}  
  
blockquote::after {  
  content: url("/img/bq2.gif"); }
```

“
cita
”

```
content: normal | [<cadena> | <uri> | <counter> | attr (<nombre> +) |  
open-quote | close-quote | no-open-quote | on-close-quote]+ | inherit
```

::selection Aplica reglas a una porción de un documento que a sido destacado (ej., selección con el ratón o algún otro puntero en un dispositivo) del usuario.

```
::selection {  
  background-color: #BA9EB0;  
  color: #ffffff;  
}
```

Set a custom **text highlight color** with CSS.

SOLO SE PUEDEN USAR UN PEQUEÑO
SUBCONJUNTO DE PROPIEDADES CSS EN UNA
REGLA SELECTION: COLOR, BACKGROUND,
BACKGROUND COLOR Y TEXT SHADOW.



</Uso de estilos. Selectores>

Diseño de Interfaces Web



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