

**S HTML Syntax** Tag structure

## HTML TAG/ATTRIBUTE SYNTAX

```
<tag attribute="value"> content </tag>
```

**D Document tags** HTML main structure

## MAIN TAGS

```
<!DOCTYPE html> HTML5 document
<html> document content root tag
<head> metadata header related docs
<body> page content visible content
```

**G Global Attributes** for all elements

## DOM / STYLE ATTRIBUTES

```
id element identifier unique per page
class element class multiple per page
slot element slot reference to <slot>
style inline CSS styles css properties
```

## GLOBAL ATTRIBUTES

```
accesskey shortcut key to focus
contenteditable allow edit element
dir ltr rtl auto text direction
draggable auto enable drag and drop
hidden hide element not relevant
is custom-elem custom built-in elem
lang code set content lang en, es, fr...
nonce hash whitelist script/style [CSP]
spellcheck disable grammar check
tabindex num set element order
title set tooltip text mouse hover
translate yes no disable translation
data-* custom metadata on element
```

## HINT TO BROWSER

```
enterkeyhint enter done go search
next previous send virtual keyb label
inputmode none text tel url email
numeric decimal search
```

## MICRODATA ATTRIBUTES

```
itemid set global urn unique identifier
itemscope new metadata item
itemtype set microdata genre url
itemref id list set reference to "id"
itemprop token set property & value
```

**S Inline Styling** CSS inline

## INLINE STYLES

```
<style> embed css style in a document
title set title to stylesheet set
type mime hint type for browser
```

## ONLY FOR &lt;LINK&gt;, PICTURE &lt;SOURCE&gt; &amp; &lt;STYLE&gt;

```
media apply to specific devices
all all devices computers, mobiles...
print printables devices
screen all devices - (print + speech)
speech devices that read a page
```

## CHEATSHEET LEGEND

```
html tag html tag w/o close tag obsolete
attribute attribute w/o value
value default value values set
value for content value part
```

**C Comment Syntax** Dev annotations

## HTML COMMENT SYNTAX

```
<!-- text without effects on webpage -->
```

**H Head tags** Header & document metadata

## RELATIONS

```
<link> document relation
href link to related document
hreflang code doc language en, es...
type mime hint type for browser
title set title to stylesheet set
sizes hint size for favicon 64x64, 96x96
rel relation type with other document
```

## BASIC RELATION

```
alternate link to alternate version
author link to author URL
help link to help URL
icon link to favicon URL (tab icon)
license fetch module map
pingback link to pingback server
search link to search page url
stylesheet imports a css style sheet
```

## URL STRUCTURE RELATION

```
canonical link to preferred URL
prev prev part URL of series doc
next next part URL of series doc
```

## RESOURCE HINTS

```
dns-prefetch resolve dns domain
preconnect pre connect to domain
prefetch fetch/cache link for future
preload fetch/cache link for now
modulepreload fetch module map
prerender background render page
as script font image audio video fetch
document embed object style track
worker
```

## DOCUMENT METADATA

```
<meta> document metadata
charset enc encoding utf-8, iso-8859-1...
name name of metadata
application-name short webapp name
author name of the page's author
description seo page description
generator software used to build web
keywords comma-separated tags
referrer default page referrer policy
theme-color primary theme css color
viewport hint to initial size viewport
http-equiv pragma directive (legacy)
content-type legacy alt. to charset
default-style default stylesheet set
refresh html redirect 10; URL=file.html
x-ua-compatible better compat IE=edge
content-security-policy enforce csp
content metadata value
<title> seo document title
<base> set a document base url
href link to base url to use
target context place to open link
```

**S Social metadata** For social networks

## FACEBOOK OPEN GRAPH

```
<meta> metadata tag for open graph
property metadata type open graph
content metadata value open graph
```

## REQUIRED METADATA PROPERTIES

```
og:title title of your object
og:type type of your object
music video article book
profile website
og:image image url for preview
og:url canonical & absolute url
```

## OPTIONAL METADATA PROPERTIES

```
og:audio complementary audio url
og:description 1-2 sentence descr.
og:determiner word auto, the, a, an, ...
og:locale language default: en_US
og:locale:alternative others lang array
og:site_name general site name
og:video complementary video url
```

## TWITTER CARDS

```
<meta> metadata tag for twitter cards
name metadata type twitter cards
content metadata value twitter cards
```

## BASIC METADATA PROPERTIES

```
twitter:title title of your object
twitter:card type of your object
summary summary_large_image
app player
```

## OPTIONAL METADATA PROPERTIES

```
twitter:site account site name
twitter:creator account name @manz
twitter:description description
twitter:image absolute image url
```

## APP METADATA PROPERTIES

```
twitter:app:country country code
twitter:app:name:**** name of app
twitter:app:id:**** identifier of app
twitter:app:url:**** url of app store
iphone ipad googleplay id for ****
```

## PLAYER METADATA PROPERTIES

```
twitter:player https url to iframe player
```

## GOOGLE SEO RECOMMENDATIONS

```
<title> first - second | brand 50-60 chars
<meta> metadata google-supported
name metadata name
description text snippet 50-160 chars
robots googlebot set bots behaviour
all noindex nofollow none
noarchive nosnippet noodp
notranslate noimageindex
unavailable_after: date
google disable google features
notranslate nositelinkssearchbox
rating adult exclude secure search
viewport optimized-mobile page
content="width=device-width, initial-scale=1.0"
```

**F Forms** Forms related tags

## MAIN ELEMENTS

**<form>** form elements collection  
**name** form name document.forms api  
**method** GET POST dialog send method  
**action** url to backend form submission  
**accept-charset** **enc** force encoding utf-8  
**autocomplete** on off autofill for all form  
**novalidate** bypass form validation  
**target** **context** place to put response  
**enctype** application/x-www-form-urlencoded  
 multipart/form-data text/plain encoding type  
**<label>** associate element with caption  
**for** reference to **id** of related element

## GROUP FORMS

**<fieldset>** group of form elements  
**name** element name forms.elements api  
**form** associate fieldset with a form  
**disabled** avoid select this group items  
**<legend>** caption text for fieldset

**I Input elements** User input types

## USER INPUT DATA

**<input>** **<textarea>** specific & large text  
**name** element name form.elements api  
**autocomplete** on off autofill for input  
**autofocus** focus input when loaded  
**dirname** submit element directionality  
**form** associate input with a form  
**placeholder** user visual hint

## ONLY &lt;INPUT&gt; ELEMENT

**<input>** specific text input short text  
**type** text hidden search tel url email  
 number range color file password  
 datetime-local date time week month  
 checkbox radio submit image reset button  
**value** current value of input element  
**size** size of element in characters  
**list** associate with **id** of **<datalist>**  
**accept** hint for expected file in upload  
**checked** enable in radio or checkbox  
**multiple** allow multiple values

## ONLY IMAGE &lt;INPUT&gt; ELEMENT

**src** url or name of image button  
**alt** alternative text to image  
**width** **height** image width/height size

## ONLY &lt;TEXTAREA&gt; ELEMENT

**<textarea>** multiline text input large text  
**rows** **cols** number of lines and columns  
**wrap** wrap text

## ALTER FORM SUBMISSION ONLY SUBMIT &lt;INPUT&gt; &amp; &lt;BUTTON&gt;

**formaction** **formtarget** **formnovalidate**  
**formenctype** **formmethod**  
 attributes to alter main form submission

**R Ruby tags** Ruby Markup tags

## RUBY ELEMENTS

**<ruby>** ruby annotation E.Asian-like chars  
**<rp>** ruby fallback parenthesis wrapper  
**<rt>** ruby text pronunciation, translation...

**S Select data tags** Interactive combo

## SELECT ELEMENTS

**<select>** form elements collection  
**name** form name document.forms api  
**form** associate input with a form  
**size** size of element in characters  
**autocomplete** on off autofill for input  
**autofocus** focus input when loaded  
**disabled** avoid press button  
**required** required field default: optional  
**multiple** allow select multiple values  
**<datalist>** predefined and open data list

## SELECT CHILDREN ELEMENTS

**<option>** item from **<select>** or **<datalist>**  
**label** user-visible text instead content  
**value** item value for form submit  
**selected** options selected by default  
**disabled** avoid select this item option  
**<optgroup>** group of **<option>**  
**label** user-visible group text  
**disabled** avoid select this items

**B Generic Button** HTML Button

## HTML GENERIC &lt;BUTTON&gt;

**<button>** generic button container  
**name** element name form.elements api  
**type** submit reset button button type  
**value** button value for form submission  
**form** associate input with a form  
**autofocus** focus button when loaded  
**disabled** avoid press button

**D Deprecated tags** Obsolete elements

## DEPRECATED TAG

## RECOMMENDED TAG

**<applet>** java widgets **<embed>** **<object>**  
**<acronym>** abbreviation **<abbr>**  
**<basefont>** main font use CSS instead  
**<big>** bigger text use CSS font-size  
**<bgsound>** background sound **<audio>**  
**<blink>** flicker text use CSS animation  
**<center>** center text use CSS text-align  
**<dir>** directory list use lists instead **<ul>**  
**<font>** set font features use CSS instead  
**<frame>** **<frameset>** frames **<iframe>**  
**<marquee>** move text use CSS animation  
**<multicol>** col layout use CSS columns  
**<noframes>** frames fallback no supported  
**<isindex>** search in page **<input>**  
**<keygen>** keypair gen use webcrypto API  
**<listing>** preformatted text **<pre>** **<code>**  
**<menuitem>** context menu no supported  
**<nextid>** auto id generated no supported  
**<nobr>** no break use CSS instead  
**<noembed>** no embed fallback **<object>**  
**<plaintext>** plain text fragment **<pre>**  
**<rb>** **<rtc>** ruby base & container **<ruby>**  
**<spacer>** whitespace use CSS instead  
**<strike>** strikethrough text **<s>** **<del>**  
**<tt>** teletype text use CSS instead  
**<xmp>** code block use **<pre>** **<code>**

**I Interactive tags** Other elements

## OTHER FORM ELEMENTS

**<output>** result of calculation  
**name** element name forms.elements api  
**form** associate input with a form  
**for** associate result to other element  
**<progress>** show a bar progress  
**value** current value of bar progress  
**max** max value of bar progress  
**<meter>** show a known range meter  
**value** current value of meter  
**low** limit of low range  
**high** limit of high range  
**min** lower bound of range  
**max** upper bound of range  
**optimum** optimum value in gauge

## OTHER INTERACTIVE ELEMENTS

**<details>** disclosure widget html accordion  
**open** keep accordion opened  
**<summary>** caption or title for **<details>**  
**<dialog>** window box container dialog box  
**open** keep dialog opened

**V Validations** HTML validations

## USER INPUT DATA

## TEXT VALIDATIONS

## &lt;INPUT&gt; &amp; &lt;TEXTAREA&gt;

**minlength** **maxlength** min/max length

## GENERAL VALIDATIONS

## &lt;INPUT&gt; &amp; &lt;TEXTAREA&gt;

**required** required field default: optional  
**disabled** avoid edit field not send  
**readonly** avoid edit field send

## NUMBER VALIDATIONS

## ONLY &lt;INPUT&gt;

**min** **max** min/max value number  
**step** granularity step between values

## POWERFUL VALIDATIONS

## ONLY &lt;INPUT&gt;

**pattern** **REGEXP** pattern for test validation

**A ARIA Attributes** Accesible elements

## ACCESIBLE RICH INTERNET APPLICATIONS

**role** specify accessible role for element  
 complementary list listitem main navigation  
 region tab alert application article banner  
 button cell checkbox contentinfo dialog  
 document feed figure form grid gridcell  
 heading img listbox row rowgroup search  
 switch table tabpanel textbox timer  
**aria-checked** true false mixed  
**aria-selected** set current state

## LABELS

**aria-label** specify a string as label  
**aria-labelledby** specify **id** as label elem

## RELATIONSHIPS

**aria-owns** set **id** element as child  
**aria-activedescendant** set **id** as active  
**aria-describedby** set **id** as description  
**aria-posinset** specify position in set  
**aria-setsize** specify size of set

**G** Groups tags Block elements

## GENERAL GROUP TAGS

**<div>** generic division or layer block  
**<p>** text paragraph  
**<hr>** thematic break  
**<pre>** preformatted text  
**<main>** dominant contents  
**<blockquote>** section with quote  
**<cite>** link to url with quotation source

## LISTS &amp; TERMS

**<ul>** **<ol>** unordered & orderer list  
**start** first value of list  
**reversed** backwards list  
**type** **1** **a** **A** **i** **I** kind of marker  
**<li>** item from **<ul>** or **<ol>** list  
**value** ordinal value of item  
**<dl>** description list container  
**<dt>** **<dd>** description term name & value

## FIGURE &amp; CAPTIONS

**<figure>** figure or concept  
**<figcaption>** caption or legend for figure

## SEMANTIC TAGS

**<article>** entity content post, comment...  
**<section>** thematic group of content  
**<nav>** section with navigation links  
**<aside>** secondary content sidebar, menu  
**<h1>** **<h2>** ... **<h6>** heading section  
**<header>** introductory header group  
**<footer>** section footer group  
**<address>** contact information group

**T** Tables tags Tabular data

## TABLE ELEMENTS

**<table>** table container  
**<caption>** title of table optional  
**<thead>** table header includes headers  
**<tbody>** table body includes body data  
**<tfoot>** table footer includes summary

## COLUMNS

**<col>** **<colgroup>** col & group of columns  
**span** number of columns to span

## ITEMS

**<tr>** table row horizontal container  
**<th>** **<td>** table header & table cell data  
**colspan** number of columns to span  
**rowspan** number of rows to span  
**headers** one or more **id** of **<th>** elements

## ONLY FOR &lt;TH&gt; ELEMENT

**scope** **auto** **row** **col** **rowgroup** **colgroup**  
**abbr** short abbreviated description

**T** Target destination

## KEYWORDS &amp; TARGET DESTINATION

**target** browser destination  
**\_self** current place same page  
**\_blank** new place new tab page  
**\_parent** parent place else **\_self**  
**\_top** root parent place else **\_self**  
**name** custom place iframe or other

**T** Text tags Inline elements

## TEXT SEMANTIC TAGS

**<em>** emphasized text replace for **<i>**  
**<strong>** important text replace for **<b>**  
**<mark>** highlight text replace for **<u>**  
**<i>** alternate voice/mood legacy tag  
**<b>** span w/o extra purposes legacy tag  
**<u>** non-textual data span legacy tag  
**<sub>** **<sup>** subscript and superscript  
**<small>** side comments small print  
**<var>** math or programming variable  
**<samp>** sample from computing system  
**<kbd>** user input (keyboard shortcut)  
**<dfn>** defining instance of a term  
**title** full term optional  
**<abbr>** abbreviation or acronym  
**title** expansion of abbreviation optional  
**<cite>** title of a work book, film, song...  
**<q>** quoted group from another source  
**cite** link to source url optional  
**<br>** line break visual enter  
**<wbr>** line break opportunity long words  
**<s>** no longer accurate/relevant strike text  
**<data>** associate machine-data to text  
**value** machine-readable value  
**<time>** associate machine-date to date  
**datetime** machine-readable date-time  
**<code>** fragment of computer code

**H** Hyperlinks Link to another resource

## HYPERLINKS &amp; AREA MAP

**<a>** **<area>** hyperlink / image map area  
**href** link to url or filename  
**hreflang** **code** doc language en, es...  
**download** download name empty valid  
**rel** **alternate** **author** **bookmark** **external** **help**  
**license** **prev** **next** **search** **tag** **opener** **nofollow**  
**noopener** **noreferrer**  
**target** **context** place to open link  
**ping** url list space-separated to ping  
**referrerpolicy** **mode** referer behaviour

## ATTRIBUTES ONLY FOR &lt;AREA&gt; ELEMENT

**shape** **rect** **circle** **poly**  
**coords** coords list for shape  
**alt** replacement text when no images

**E** Edit tags Edit elements

## TEXT SEMANTIC TAGS

**<ins>** **<del>** addition or removal from doc  
**cite** link to source quotation optional  
**datetime** date/time of change optional

**S** Security & Privacy Edit elements

## POLICIES &lt;IMG&gt;, &lt;VIDEO&gt;, &lt;AUDIO&gt;, &lt;LINK&gt; or &lt;SCRIPT&gt;

**crossorigin** CORS support  
**anonymous** **use-credentials**  
**referrerpolicy** set how referer works  
**no-referrer** **no-referrer-when-downgrade**  
**same-origin** **origin** **strict-origin** **unsafe-url**  
**origin-when-cross-origin** **strict-origin-when-cross-origin**

**I** Image tags Picture content

## IMAGES

**JPG** **PNG** **SVG** **WEBP** **JPGXR** **JPG2000** **GIF** **APNG**  
**<img>** image simple or legacy fallback  
**src** link to url image source required  
**alt** alternative text if no image required  
**width** **height** horizontal & vertical size  
**loading** set lazy loading strategy  
**auto** browser decides  
**lazy** candidate for lazy loading  
**eager** load right away  
**usemap** name of image map to use  
**ismap** image is part of server-side map  
**decoding** **sync** **async** **auto** hint to decode  
**<map>** image map used w/ **<a>** & **<area>**  
**name** imagemap used in **usemap**

## NEXT-GEN IMAGES

**<picture>** multiple image container  
**<source>** new alternative source image  
**src** link to url image source simple mode  
**type** MIME type optional  
**media** media query of resource media

## PICTURE &lt;SOURCE&gt; &amp; &lt;IMG&gt; ATTRIBUTES

**srcset** image list candidates comma-sep  
**width** a1.jpg 300w, a2.jpg 600w, ...  
**density** b1.jpg 1x, b2.jpg 2x, ...  
**sizes** final rendered width list 640w

**M** Multimedia tags

## VIDEO OR AUDIO CONTAINER ELEMENTS

**MP4** **WEBM** **HEVC** **AV1** **OGV** ← VIDEO  
**MP3** **AAC** **OGG** **OPUS** **FLAC** **WAV** ← AUDIO  
**<video>** **<audio>** media container  
**src** link to url video audio source  
**preload** hints how much buffering needs  
**auto** browser decides  
**metadata** fetch metadata only  
**none** save bandwidth and no download  
**autoplay** autoplay only if user interact  
**loop** restart when finished  
**muted** silence media by default  
**controls** show play, pause... controls

## ONLY FOR &lt;VIDEO&gt; ELEMENT

**poster** cover image prior to playback  
**width** **height** horizontal & vertical size  
**playsinline** browser try play video inline

## VIDEO OR AUDIO CHILDREN ELEMENT

**<source>** new alternative source media  
**src** link to url media source  
**type** MIME type video/mp4; codecs='...'  
**<track>** external subtitles or tracks  
**src** link to url subtitle resource  
**srclang** language of the text track  
**label** user-visible name of the text track  
**kind** **subtitles** **captions** **descriptions**  
**chapters** **metadata**  
**default** set default enabled track



**E Embedded tags** External content

## EXTERNAL CONTENT (IFRAME)

**<iframe>** embedded content  
**src** link to url resource website, file, ...  
**srcdoc** document content html syntax  
**name** name context for **target** attribute  
**loading** **auto** **lazy** **eager** lazy load iframe  
**allowfullscreen** allow iframe fullscreen  
**allowpaymentrequest** allow payments  
**width** **height** horizontal & vertical sizes

## &lt;IFRAME&gt; SECURITY, PRIVACY &amp; POLICY ATTRIBUTES

**sandbox** **allow-forms** **allow-modals**  
**allow-orientation-lock** **allow-pointer-lock**  
**allow-popups-to-escape-sandbox** **allow-scripts**  
**allow-same-origin** **allow-presentation**  
**allow-top-navigation-by-user-activation**  
**allow-top-navigation** **allow-popups**  
**allow** **feature** allow access to feature  
**ambient-light-sensor** **autoplay** **accelerometer**  
**camera** **display-capture** **document-domain**  
**encrypted-media** **fullscreen** **geolocation**  
**gyroscope** **magnetometer** **microphone** **mid**  
**payment** **picture-in-picture** **speaker** **sync-xhr**  
**usb** **wake-lock** **webauthn** **vr**  
**referrerpolicy** **mode** referer behaviour

## LEGACY EMBED/OBJECT TAGS

**<embed>** external non-html content  
**src** link to url resource  
**type** type of embedded resource  
**width** **height** horizontal & vertical sizes  
**<object>** external resource multipurpose  
**data** link to url resource  
**type** type of embedded resource  
**name** name context for **target** attribute  
**usemap** name of image map to use  
**form** associates element with form **id**  
**width** **height** horizontal & vertical sizes  
**<param>** external resource multipurpose  
**name** **value** name & value of parameter

## EXPERIMENTAL TAGS

**<portal>** guest embedded content ~iframe  
**src** link to url resource website, file, ...  
**referrerpolicy** **mode** referer behaviour

**S SVG paths** Scalar Vectorial Graphics

## POWERFUL PATHS

**<path>** define a outline of a shape  
**d** command/coords space-separated  
**pathLength** total length of the path

## PATH COMMANDS GUIDE

<b>M</b> <b>m</b>	Move to	path begins · M10,30
<b>Z</b> <b>z</b>	Close path	path ends · Z
<b>L</b> <b>l</b>	Line to	draw line · L90,90
<b>H</b> <b>h</b>	Horiz line to	horizontal line · H40
<b>V</b> <b>v</b>	Vert line to	vertical line · V20
<b>C</b> <b>c</b>	Cubic Bézier	C30,90 25,10 50,10
<b>S</b> <b>s</b>	Smooth C. B.	S70,90 90,90
<b>Q</b> <b>q</b>	Quadratic Bézier	Q90,60 50,90
<b>T</b> <b>t</b>	Smooth Q. B.	T30,0 30,0 30,0 30,0
<b>A</b> <b>a</b>	Elliptical Arc	A20,20 0,0,1 50,30

**S SVG tags** Scalar Vectorial Graphics

## MAIN TAGS

**<svg>** svg container standalone svg  
**viewBox** **minx** **miny** **width** **height**  
**width** **height** viewport size  
**preserveAspectRatio** **align** **option**  
**align** **none** **x\*\*\*Y\*\*\*** **Min** **Mid** **Max**  
**option** **meet** **slice**  
**<g>** related group container

## SVG METADATA

**<title>** short text title alternative  
**<desc>** detailed textual information  
**<metadata>** metadata elems. container

## CONTENT FOR REUSE

**<defs>** referenced elements container  
**<symbol>** set reuse template no render  
**<use>** reference another element reuse  
**href** a url link to be cloned for rendering  
**<switch>** reference another element  
**<\*\*\*>** direct child of **<switch>**  
**systemLanguage** **code**

## BASIC SHAPES

**<rect>** define a rectangle  
**x** **y** horizontal & vertical position  
**width** **height** horizontal & vertical sizes  
**rx** **ry** horizontal & vertical radius  
**<circle>** define a circle  
**cx** **cy** horizontal & vertical center coord  
**r** radius of the circle  
**<ellipse>** define a ellipse  
**rx** **ry** horizontal & vertical radius  
**cx** **cy** horizontal & vertical center coord  
**<line>** define a line segment  
**x1** **y1** start point (x,y) of line segment  
**x2** **y2** end point (x,y) of line segment  
**pathLength** total length of the path  
**<polyline>** **<polygon>** line / closed shape  
**points** set of coords space-separated  
**pathLength** total length of the path

## TEXT &amp; IMAGE ELEMENTS

**<text>** **<tspan>** text layer & text container  
**x** **y** start position of text  
**dx** **dy** relative position of descendant  
**lengthAdjust** **spacing** **spacingAndGlyphs**  
**rotate** **number** rotate degrees per glyph  
**textLength** **number** length per glyph  
**<textPath>** put text on path  
**path** equivalent of **d** attribute **<path>**  
**href** url reference to **<path>**  
**startOffset** **length** offset from start path  
**method** **align** **stretch** how render glyph  
**spacing** **exact** **auto** space between glyph  
**side** **left** **right** side of the path to render  
**lengthAdjust** **spacing** **spacingAndGlyphs**  
**textLength** **number** length per glyph  
**<image>** set reference to image  
**href** a url link to image to rendering  
**preserveAspectRatio** **align** **option**  
**crossorigin** CORS support

**S Scripting tags** Javascript elements

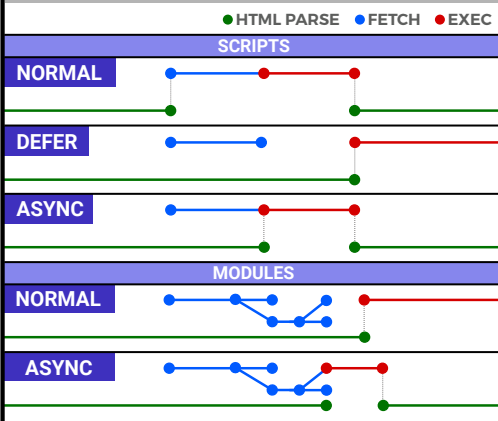
## SCRIPTING ELEMENTS

**<script>** include dynamic script  
**src** link to script.js instead inline script  
**type** associate fieldset with a form  
**text/javascript** javascript file default .js  
**application/json** JSON data block file .json  
**module** javascript module module .mjs  
**nomodule** fallback for old browsers  
**defer** defer script execution  
**async** exec script when available

## SECURITY &amp; PRIVACY

**referrerpolicy** **mode** referer behaviour  
**crossorigin** **mode** CORS support  
**integrity** verify integrity hash of **src** file

## SCRIPT DOWNLOAD &amp; PARSE MODES

**S Other scripting tags** Javascript elements

## JAVASCRIPT-RELATED TAGS

**<noscript>** show if no scripting enabled  
**<template>** inert html fragments to clone  
**<slot>** create separate DOM trees  
**name** name of shadow tree slot  
**<canvas>** rendering graphs, art, etc...  
**width** **height** horizontal & vertical size  
**<custom-elem>** user custom element tag

**S SVG Attrs** Style SVG attributes

## STYLE SVG ATTRIBUTES

## FILL SHAPE

**fill** **black** **color** fills shape with a color  
**fill-rule** **nonzero** **evenodd** algorithm inside  
**fill-opacity** **1** **opacity** alpha channel

## LINE (STROKE)

**stroke** **none** **color** set color line  
**stroke-width** **1** **width** set width line  
**stroke-opacity** **1** **opacity** alpha channel  
**stroke-linecap** **butt** **round** **square** limit type  
**stroke-linejoin** **miter** **miter-clip** **round** **bevel** **arcs**  
**stroke-miterlimit** **4** **number** limit on ratio  
**stroke-dasharray** **none** **number array** pattern  
**stroke-dashoffset** **0** **number** array offset

## OTHERS (CSS ATTRIBUTES)

**transform** **css transform** apply transform  
**class** **id** **style** html attributes inherit