



Document Outline	
<!DOCTYPE>	Version of (X)HTML
<html>	HTML document
<head>	Page information
<body>	Page contents

Comments
<!-- Comment Text -->

Page Information	
<base />	Base URL
<meta />	Meta data
<title>	Title
<link />	Relevant resource
<style>	Style resource
<script>	Script resource

Document Structure	
<h[1-6]>	Heading
<div>	Page section
	Inline section
<p>	Paragraph
 	Line break
<hr />	Horizontal rule

Links	
	Page link
	Email link
	Anchor
	Link to anchor

Text Markup	
	Strong emphasis
	Emphasis
<blockquote>	Long quotation
<q>	Short quotation
<abbr>	Abbreviation
<acronym>	Acronym
<address>	Address
<pre>	Pre-formatted text
<dfn>	Definition
<code>	Code
<cite>	Citation
	Deleted text
<ins>	Inserted text
<sub>	Subscript
<sup>	Superscript
<bdo>	Text direction

Lists	
	Ordered list
	Unordered list
	List item
<dl>	Definition list
<dt>	Definition term
<dd>	Term description

Forms	
<form>	Form
<fieldset>	Collection of fields
<legend>	Form legend
<label>	Input label
<input />	Form input
<select>	Drop-down box
<optgroup>	Group of options
<option>	Drop-down options
<textarea>	Large text input
<button>	Button

Tables	
<table>	Table
<caption>	Caption
<thead>	Table header
<tbody>	Table body
<tfoot>	Table footer
<colgroup>	Column group
<col />	Column
<tr>	Table row
<th>	Header cell
<td>	Table cell

Images and Image Maps	
	Image
<map>	Image Map
<area />	Area of Image Map

Common Character Entities		
"	"	Quotation mark
&	&	Ampersand
<	<	Less than
>	>	Greater than
@	@	"At" symbol
€	€	Euro
•	•	Small bullet
™	™	Trademark
£	£	Pound
 		Non-breaking space
©	©	Copyright symbol

Objects	
<object>	Object
<param />	Parameter

Empty Elements	
<area />	
<base />	<input />
 	<link />
<col />	<meta />
<hr />	<param />

Core Attributes	
class	style
id	title
<i>Note: Core Attributes may not be used in base, head, html, meta, param, script, style or title elements.</i>	

Language Attributes	
dir	lang
<i>Note: Language Attributes may not be used in base, br, frame, frameset, hr, iframe, param or script elements.</i>	

Keyboard Attributes	
accesskey	tabindex

Window Events	
onLoad	onUnload

Form Events	
onBlur	onReset
onChange	onSelect
onFocus	onSubmit

Keyboard Events	
onKeyDown	onKeyUp
onKeyPress	

Mouse Events	
onClick	onMouseout
onDbclick	onMouseover
onMouseDown	onMouseup
onMouseMove	



Boxes

margin *
margin-top
margin-right
margin-bottom
margin-left

padding *
padding-top
padding-right
padding-bottom
padding-left

border *
border-top *
border-bottom *
border-right *
border-left *

border-color *
border-top-color
border-right-color
border-bottom-color
border-left-color

border-style *
border-top-style
border-right-style
border-bottom-style
border-left-style

border-width *
border-top-width
border-right-width
border-bottom-width
border-left-width

Positioning

display
position
top
right
bottom
left
float
clear
z-index
direction
unicode-bidi
overflow
clip
visibility

Dimensions

width
min-width
max-width
height
min-height
max-height
line-height
vertical-align

Miscellaneous

content
quotes
counter-reset
counter-increment
marker-offset
list-style *
list-style-type
list-style-image
list-style-position

Shorthand properties are marked with *

SYNTAX

```
/* Comment */
@media type {
  selector {
    property: values;
  }
}
(Media type optional)
```

SELECTORS

	Styles apply to:
*	All elements
div	<div>
div *	Elements within <div>
div span	 within <div>
div, span	<div> and
div > span	 with <div> as parent
div + span	 preceded by <div> ... </div>
.class	Elements of class "class"
div.class	<div> of class "class"
#itemid	Element with id "itemid"
div#itemid	<div> with id "itemid"
a[class]	<a> with class attribute
a[class='x']	<a> when class is "x"
a[class~='x']	<a> when class is a list of space-separated values and one of those is 'x'
a[lang='en']	<a> when lang begins with "en"

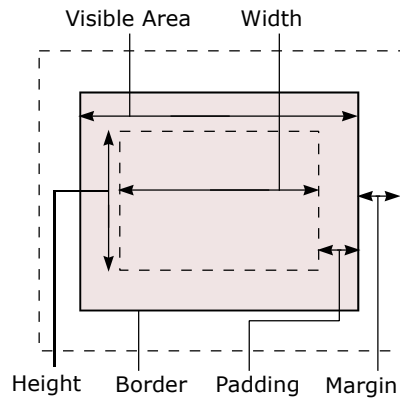
PSEUDO-SELECTORS

	Styles apply to:
:first-child	First child of element
:first-line	First line of element
:first-letter	First letter of element
:hover	Element when mouse over
:active	Active element
:focus	Element with focus
:link	Non-active, unvisited links without mouse over.
:visited	Visited links
:lang(lang)	Element with text of language "lang"

MEDIA TYPES (@media)

all	projection
braille	screen
embossed	speech
handheld	tty
print	tv

BOX MODEL



UNITS

px	Pixels
em	1em equal to font size of parent (same as 100%)
ex	Height of lower case "x"
%	Percentage
in	Inches
cm	Centimeters
mm	Millimeters
pt	1pt = 1/72in
pc	1pc = 12pt
#789abc	RGB Hex Notation
#acf	Equates to "#aacfff"
rgb(0,25,50)	Value (0 to 255) of each of red, green, and blue. May also be percentages
0	0 requires no unit

PROPERTIES THAT INHERIT

azimuth	list-style
border-collapse	list-style-image
border-spacing	list-style-position
caption-side	list-style-type
color	orphans
cursor	page
direction	page-break-inside
empty-cells	quotes
font	speak
font-family	speak-header
font-stretch	text-align
font-size	text-indent
font-size-adjust	text-transform
font-style	volume
font-variant	white-space
font-weight	widows
letter-spacing	word-spacing
line-height	

Paging

size
marks
page-break-before
page-break-after
page-break-inside
page
orphans
widows

Color / Background

color
* background
background-color
background-image
background-repeat
background-attachment
background-position

Fonts

* font
font-family
font-style
font-variant
font-weight
font-stretch
font-size
font-size-adjust

Text

text-indent
text-align
text-decoration
text-shadow
letter-spacing
word-spacing
text-transform
white-space

Tables

caption-side
table-layout
border-collapse
border-spacing
empty-cells
speak-header

Interface

cursor
* outline
outline-width
outline-style
outline-color

Aural

volume
speak
* pause
pause-before
pause-after
* cue
cue-before
cue-after
play-during
azimuth
elevation
speech-rate
voice-family
pitch
pitch-range
stress
richness
speak-punctuation
speak-numeral
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Methods

Object

toString
toLocaleString
valueOf
hasOwnProperty
isPrototypeOf
propertyIsEnumerable

String

charAt
charCodeAt
fromCharCode
concat
indexOf
lastIndexOf
localeCompare
match
replace
search
slice
split
substring
substr
toLowerCase
toUpperCase
toLocaleLowerCase
toLocaleUpperCase

RegExp

test
match
exec

Array

concat
join
push
pop
reverse
shift
slice
sort
splice
unshift

Number

toFixed
toExponential
toPrecision

Date

parse
toDate
toLocaleDateString
toLocaleTimeString
getDate
getDay
getFullYear
getHours
getMilliseconds
getMinutes
getMonth
getSeconds
getTime
getTimezoneOffset
getYear
setDate
setHours
setMilliseconds
setMinutes
setMonth
setSeconds
setYear
toLocaleTimeString

JavaScript

XMLHttpRequest

Safari, Mozilla, Opera:

```
var req = new XMLHttpRequest();
```

Internet Explorer:

```
var req = new  
ActiveXObject("Microsoft.XMLHTTP");
```

XMLHttpRequest Object Methods

```
abort()  
getAllResponseHeaders()  
getResponseHeader(header)  
open(method, URL)  
send(body)  
setRequestHeader(header, value)
```

XMLHttpRequest Object Properties

```
onreadystatechange  
readyState  
responseText  
responseXML  
status  
statusText
```

XMLHttpRequest readyState Values

0	Uninitiated
1	Loading
2	Loaded
3	Interactive
4	Complete

JAVASCRIPT IN HTML

External JavaScript File

```
<script type="text/javascript"  
src="javascript.js"></script>
```

Inline JavaScript

```
<script type="text/javascript">  
<!--  
    // JavaScript Here  
-->  
</script>
```

Functions

Window

```
alert  
blur  
clearTimeout  
close  
focus  
open  
print  
setTimeout
```

Built In

```
eval  
parseInt  
parseFloat  
isNaN  
isFinite  
decodeURI  
decodeURIComponent  
encodeURIComponent  
encodeURIComponent  
escape  
unescape
```

REGULAR EXPRESSIONS - FORMAT

Regular expressions in JavaScript take the form:
var RegEx = /pattern/modifiers;

REGULAR EXPRESSIONS - MODIFIERS

/g	Global matching
/i	Case insensitive
/s	Single line mode
/m	Multi line mode

REGULAR EXPRESSIONS - PATTERNS

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.

EVENT HANDLERS

onAbort	onMouseDown
onBlur	onMouseMove
onChange	onMouseOut
onClick	onMouseOver
onDbClick	onMouseUp
onDragDrop	onMove
onError	onReset
onFocus	onResize
onKeyDown	onSelect
onKeyPress	onSubmit
onKeyUp	onUnload
onLoad	

FUNCTIONS AND METHODS

A method is a type of function, associated with an object. A normal function is not associated with an object.

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DOM Methods

Document

```
clear  
createDocument  
createDocumentFragment  
createElement  
createEvent  
createEventObject  
createRange  
createTextNode  
getElementsByTagName  
getElementById  
write
```

Node

```
addEventListener  
appendChild  
attachEvent  
cloneNode  
createTextRange  
detachEvent  
dispatchEvent  
fireEvent  
getAttributeNS  
getAttributeNode  
hasChildNodes  
hasAttribute  
hasAttributes  
insertBefore  
removeChild  
removeEventListener  
replaceChild  
scrollIntoView
```

Form

```
submit
```

DOM Collections

```
item
```

Range

```
collapse  
createContextualFragment  
moveEnd  
moveStart  
parentElement  
select  
setStartBefore
```

Style

```
getPropertyValue  
setProperty
```

Event

```
initEvent  
preventDefault  
stopPropagation
```

XMLSerializer

```
serializeToString
```

XMLHTTP

```
open  
send
```

XMLDOM

```
loadXML
```

DOMParser

```
parseFromString
```

Methods

Request
BinaryRead

Response
AddHeader
AppendToLog
BinaryWrite
Clear
End
Flush
Redirect
Write

Application
Lock
Unlock

Session
Abandon

Server
CreateObject
Execute
GetLastError
HTMLEncode
MapPath
Transfer
URLEncode

Properties

Response
Buffer
CacheControl
Charset
ContentType
Expires
ExpiresAbsolute
IsClientConnected
Pics
Status

Request
TotalBytes

Session
CodePage
LCID
SessionID
Timeout

Server
ScriptTimeout

Error
ASPCode
ASPDescription
Category
Column
Description
File
Line
Number
Source

ASP / VBScript

REGULAR EXPRESSIONS - PATTERNS

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
[a-z]	Any lower-case letter
[A-Z]	Any upper-case letter
[0-9]	Any numeric digit
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.
\b	End of word
\n	New line
\r	Carriage return
\	Escape Character
\t	Tab
\s	White space
\w	Any word (= [A-Za-z0-9_])

DATE FUNCTION ARGUMENTS

yyyy	Year
q	Quarter
m	Month
y	Day of Year
d	Day
w	Weekday
ww	Week of Year
h	Hour
n	Minute
s	Second

REDIRECT WITH 301 HEADER

```
Response.Status="301 Moved Permanently"
Response.AddHeader "Location", "http://www.website.com"
Response.End
```

INCLUDING A FILE

```
<!--#include file="include.inc"-->
```

FUNCTION ARGUMENT ORDERS

DateAdd(Interval, Number, Date)
DateDiff(Interval, Date1, Date2)
InStr(Start, String, Substring, Compare)
FormatDateTime (Date, DateFormat)
Join(Array, Delimiter)
Left(String, Length)
Replace(Haystack, Needle, Replacement)
Split(Expression, Delimiter)

FILE MODES

1	Reading
2	Writing
3	Appending

COMMON LCID CODES

2057	English (UK)
1033	English (US)
1036	French (France)
1031	German (Germany)
1034	Spanish (Spain)

STRING CONSTANTS

VbCr	Carriage Return
VbCrLf	VbCr and Line Feed
VbFormFeed	Form Feed
VbLf	Line Feed
VbNullChar	Null Character
VbNullString	Null String
VbTab	Tab Character

COMPARISON CONSTANTS

0	VBBinaryCompare
1	VBTextCompare
2	VBDataBaseCompare

NAMED DATE CONSTANTS

0	vbGeneralDate
1	vbLongDate
2	vbShortDate
3	vbLongTime
4	vbShortTime

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Functions

String
FormatCurrency
InStr
LCase
Left
Len
Mid
Replace
Response.write
Right
String
StrReverse
Trim
UCase

Date
Date
DateAdd
DatePart
DateSerial
Day
FormatDateTime
Hour
Minute
Month
MonthName
Now
Second
Weekday
WeekdayName
Year

Arrays
Join
Redim
Split
UBound

Mathematical
Abs
Atn
Cos
Exp
Log
Rnd (Randomize)
Round
Sin
Sqr
Sgn
Tan

Collections

Response
Cookies

Request
ClientCertificate
Cookies
Form
QueryString
ServerVariables

Application
Contents
StaticObjects

Session
Contents
StaticObjects



	REGULAR EXPRESSION SYNTAX	DATE FORMATTING	Regex
Arrays array_intersect array_merge array_pop array_push array_reverse array_walk count in_array	^ Start of string \$ End of string . Any single character (a b) a or b (...) Group section [abc] Item in range (a or b or c) [^abc] Not in range (not a or b or c) \s White space a? Zero or one of a a* Zero or more of a a+ One or more of a a{3} Exactly 3 of a a{3,} 3 or more of a a{3,6} Between 3 and 6 of a \ Escape character	Y 4 digit year 2005 y 2 digit year 05 F Long month January M Short month Jan m Month (leading zeros) 01 to 12 n Month 1 to 12 D Short day name Mon l Long day name Monday d Day (leading zeros) 01 to 31 j Day 1 to 31 h 12 Hour (leading zeros) 01 to 12 g 12 Hour 1 to 12 H 24 Hour (leading zeros) 00 to 23 G 24 Hour 0 to 23 i Minutes (leading zeros) 00 to 59 s Seconds (leading zeros) 00 to 59 w Day of week ¹ 0 to 6 z Day of year 0 to 365 W Week of year ² 1 to 53 t Days in month 28 to 31 a am or pm A AM or PM B Swatch Internet Time 000 to 999 S Ordinal Suffix st, nd, td, th T Timezone of machine GMT Z Timezone offset (seconds) O Difference to GMT (hours) +0200 I Daylight savings 1 or 0 L Leap year 1 or 0 U Seconds since Epoch ³ c ISO 8601 (PHP 5) r RFC 2822	ereg eregi ereg_replace eregi_replace split spliti preg_match preg_match_all preg_replace preg_split
Date and Time date mktime strtotime time	[^abc] Not in range (not a or b or c) \s White space a? Zero or one of a a* Zero or more of a a+ One or more of a a{3} Exactly 3 of a a{3,} 3 or more of a a{3,6} Between 3 and 6 of a \ Escape character [:punct:] Any punctuation symbol [:space:] Any space character [:blank:] Space or tab		Sessions session_destroy session_id session_start
Filesystem clearstatcache copy fclose fgets file filemtime filesize file_exists fopen fread fwrite is_dir is_file readfile	PCRE MODIFIERS i Case-insensitive s Period matches newline m ^ and \$ match lines U Ungreedy matching e Evaluate replacement x Pattern over several lines		Strings addslashes crypt echo explode implode md5 nl2br sprintf strip_tags stripslashes stristr strpos strrev strstr strtolower strtoupper str_replace substr trim
Headers header headers_sent setcookie			URLs rawurldecode rawurlencode urldecode urlencode
Mail mail			Variables empty is_array is_int is_null is_numeric is_object isset serialize unserialize
Numbers ceil floor number_format round	FUNCTION ARGUMENT ORDERS array_push (array, element) in_array (needle, haystack) explode (separator, string) split (pattern, string) preg_split (pattern, string) ereg (pattern, string) strpos (haystack, needle) str_replace (search, replace, string)		SuperGlobals \$_ENV \$_GET \$_POST \$_COOKIE \$_SESSION \$_SERVER \$_FILES \$_REQUEST \$GLOBALS
Miscellaneous define eval exit			
Network fsockopen			
PHP Options ini_get ini_restore ini_set phpinfo	fopen() MODES r Read r+ Read and write, prepend w Write, truncate w+ Read and write, truncate a Write, append a+ Read and write, append		
Execution exec			

1. date("w"): 0 is Sunday, 6 is Saturday.
2. Week that overlaps two years belongs to year that contains most days of that week. Hence week number for 1st January of a given year can return 53rd week if week belongs to previous year.
date("W", mktime(0, 0, 0, 12, 28, \$year)) always gives correct number of weeks in \$year.
3. The Epoch was the 1st January 1970.

