

# DHTML

# QUICK REFERENCE

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Chapters 10 through 13 detail how to find information about the different parts of your Web environment. The tables in this online resource present that information in a form you can quickly read. If there is more than one method to find a particular property, the preferred method is **bold**.

This online resource also includes a list of reserved words and other words you should avoid using for ID names, class names, or JavaScript variables.

- ◆ **Table C.1:** Common Event Handlers (Chapter 12)
- ◆ **Table C.2:** Finding Objects (Chapter 12)
- ◆ **Table C.3:** System Properties (Chapter 13)
- ◆ **Table C.4:** Browser Properties (Chapter 13)
- ◆ **Table C.5:** Page Properties (Chapter 13)
- ◆ **Table C.6:** Object Properties (Chapter 14)
- ◆ **Table C.7:** Event Properties (Chapter 15)

Table C.1

Common Event Handlers		
NAME	WHEN IT HAPPENS	APPLIES TO
onload	After an object is loaded	Documents and images
onunload	After the object is no longer loaded	Documents and images
onfocus	When an element is selected	Documents and forms
onblur	When an element is deselected	Documents and forms
onmouseover	When the mouse pointer passes over an area	All*
onmouseout	When the mouse pointer passes out of an area	All*
onClick	When the mouse button is clicked over an area	All*
onmousedown	While the mouse button is pressed	All*
onmouseup	When the mouse button is released	All*
onmousemove	As the mouse is moved	Document
onkeydown	While a keyboard key is pressed	Forms and document
onkeyup	When a keyboard key is released	Forms and document
onkeypress	When a keyboard key is pressed and immediately released	Forms and document
onresize**	When the browser window or a frame is resized	Document
onmove	When the browser window is moved	Document

\* Available only for anchor links and images in Netscape 4

\*\* Not supported by Internet Explorer 4

Table C.2

Finding Objects		
TO FIND	METHOD	COMPATIBILITY
Object	document.getElementById(objectID)	IE4, FF1, S1, O3.5
	document.all[objectID]	IE4, O3.5
	document.layers[objectID]	FF1 (only)

Table C.3

System Properties			
TO FIND	METHOD	VALUE TYPE	COMPATIBILITY
Operating system	navigator.appVersion	<string>	IE3, N2, S1, O3.5
Screen width (total)	screen.width	<pixels>	IE4, FF1, S1, O3.5
Screen height (total)	screen.height	<pixels>	IE4, FF1, S1, O3.5
Screen width (live)	screen.availWidth	<pixels>	IE4, FF1, S1, O3.5
Screen height (live)	screen.availHeight	<pixels>	IE4, FF1, S1, O3.5
Number of colors	screen.colorDepth	<number>	IE4, FF1, S1, O3.5

Table C.4

Browser Properties			
TO FIND	METHOD	VALUE TYPE	COMPATIBILITY
Browser name	<code>navigator.appName</code>	<string>	IE3, N2, S1, O3.5
Browser version	<code>parseInt(navigator.appVersion)</code>	<number>	IE3, N2, S1, O3.5
Browser window width	<code>window.outerWidth</code>	<pixels>	FF1, S1, O3.5
Browser window height	<code>window.outerHeight</code>	<pixels>	FF1, S1, O3.5

Table C.5

Page Properties			
TO FIND	METHOD	VALUE TYPE	COMPATIBILITY
URL	<code>self.location</code>	<string>	IE3, N2, S1, O3.5
Title	<code>document.title</code>	<string>	IE3, N2*, S1, O3.5
Visible width	<code>window.innerWidth</code>	<pixels>	FF1, S1, O3.5
	<b><code>document.body.clientWidth</code></b>	<pixels>	IE4, N7, S1, O3.5
Visible weight	<code>window.innerHeight</code>	<pixels>	FF1, S1, O3.5
	<b><code>document.body.clientHeight</code></b>	<pixels>	IE4, N7, S1, O3.5
Scroll position left	<code>window.pageXOffset</code>	<pixels>	FF1, S1, O3.5
	<b><code>document.body.scrollLeft</code></b>	<pixels>	IE4, N7, S1, O3.5
Scroll position top	<code>window.pageYOffset</code>	<pixels>	FF1, S1, O3.5
	<b><code>document.body.scrollTop</code></b>	<pixels>	IE4, N7, S1, O3.5

\*Buggy in Mac version of Netscape 4; returns file name instead of title.

**Table C.6**

<b>Object Properties</b>			
<b>TO FIND</b>	<b>METHOD</b>	<b>VALUE TYPE</b>	<b>COMPATIBILITY</b>
Object ID	evt.target.id evt.srcElement.id	<string> <string>	FF1, S1, O3.5 IE4, O3.5
Width	<b>offsetWidth</b> style.width*	<length> <length>	IE4, FF1, S1, O3.5 IE4, FF1, S1, O3.5
Height	<b>offsetHeight</b> style.height*	<length> <length>	IE4, FF1, S1, O3.5 IE4, FF1, S1, O3.5
Left position	offsetLeft <b>pixelLeft</b> style.left*	<length> <length> <length>	FF1, S1, O3.5 IE4, FF1, S1, O3.5 IE4, FF1, S1, O3.5
Top position	offsetTop <b>pixelTop</b> style.top*	<length> <length> <length>	FF1, S1, O3.5 IE4, FF1, S1, O3.5 IE4, FF1, S1, O3.5
Z-index	style.zIndex*	<number>	IE4, FF1, S1, O3.5
Visibility	style.visibility*	visible hidden show hide	IE4, FF1, S1, O3.5 IE4, FF1, S1, O3.5 FF1 (only) FF1 (only)
Clip area	<b>style.clip[]**</b> style.clipBottom style.clipLeft style.clipRight style.clipTop	<array> <length> <length> <length> <length>	IE4, FF1, S1, O3.5 IE4 (Win) IE4 (Win) IE4 (Win) IE4 (Win)

\*Requires that the value be set using JavaScript before it can be read.

\*\* The most reliable way to find the clip area is by querying the clip array as discussed in "Determining an Object's Properties" in Chapter 12.

**Table C.7**

<b>Event Properties</b>			
<b>TO FIND</b>	<b>METHOD</b>	<b>VALUE TYPE</b>	<b>COMPATIBILITY</b>
Event type	evt.type	<string>	IE4, FF1, S1, O3.5
Key pressed	evt.charCode evt.keyCode	<number> <number>	FF1 IE4, FF1
Shift key	evt.shiftKey	<boolean>	IE4, FF1, O3.5, S1
Control key	evt.ctrlKey	<boolean>	IE4, FF1, O3.5, S1
Alt/Option key	evt.altKey	<boolean>	IE4, FF1, O3.5, S1
Command key	evt.metaKey	<boolean>	FF1
Mouse button pressed	evt.button	<string>	IE4, FF1, S1, O3.5
Left mouse position (screen)	evt.screenX	<length>	IE4, FF1, S1, O3.5
Top mouse position (screen)	evt.screenY	<length>	IE4, FF1, S1, O3.5
Left mouse position (window)	evt.clientX	<length>	IE4, FF1, S1, O3.5
Left mouse position (screen)	evt.clientY	<length>	IE4, FF1, S1, O3.5

## Reserved Words

When you are creating names for a CSS class, CSS ID, or JavaScript variable, keep in mind that the browser has dibs on certain words. I recommend not using these.

That said, it's OK to combine different words to form compound words, even if both words are on the reserved list. For example, although `new` and `label` would not make good variable names, `newLabel` would be fine.

## JavaScript and Java reserved words

The following words are part of the JavaScript or Java language and should be avoided at all costs:

<code>abstract</code>	<code>false</code>	<code>private</code>
<code>boolean</code>	<code>final</code>	<code>protected</code>
<code>break</code>	<code>finally</code>	<code>public</code>
<code>byte</code>	<code>float</code>	<code>return</code>
<code>case</code>	<code>for</code>	<code>short</code>
<code>catch</code>	<code>function</code>	<code>static</code>
<code>char</code>	<code>goto</code>	<code>super</code>
<code>class</code>	<code>if</code>	<code>switch</code>
<code>comment</code>	<code>implements</code>	<code>synchronized</code>
<code>const</code>	<code>import</code>	<code>this</code>
<code>continue</code>	<code>in</code>	<code>throw</code>
<code>debugger</code>	<code>instanceOf</code>	<code>throws</code>
<code>default</code>	<code>int</code>	<code>transient</code>
<code>delete</code>	<code>interface</code>	<code>true</code>
<code>do</code>	<code>label</code>	<code>try</code>
<code>double</code>	<code>long</code>	<code>typeof</code>
<code>else</code>	<code>native</code>	<code>var</code>
<code>enum</code>	<code>new</code>	<code>void</code>
<code>export</code>	<code>null</code>	<code>while</code>
<code>extends</code>	<code>package</code>	<code>with</code>

## Other words to avoid

Although not officially on the reserved list, the following words are used by JavaScript and will cause problems if you use them.

Remember that Netscape is case-sensitive, so uppercase letters make a difference. For example, `history` is not the same as `History`.

<code>alert</code>	<code>event</code>	<code>length</code>	<code>outerHeight</code>	<code>Select</code>
<code>Anchor</code>	<code>evt</code>	<code>Link</code>	<code>outerWidth</code>	<code>self</code>
<code>Area</code>	<code>FileUpload</code>	<code>location</code>	<code>Packages</code>	<code>setInterval</code>
<code>arguments</code>	<code>find</code>	<code>Location</code>	<code>pageXoffset</code>	<code>setTimeout</code>
<code>Array</code>	<code>focus</code>	<code>locationbar</code>	<code>pageYoffset</code>	<code>status</code>
<code>assign</code>	<code>Form</code>	<code>Math</code>	<code>parent</code>	<code>statusbar</code>
<code>blur</code>	<code>Frame</code>	<code>menubar</code>	<code>parseFloat</code>	<code>stop</code>
<code>Boolean</code>	<code>frames</code>	<code>MimeType</code>	<code>parseInt</code>	<code>String</code>
<code>Button</code>	<code>Function</code>	<code>moveBy</code>	<code>Password</code>	<code>Submit</code>
<code>callee</code>	<code>getClass</code>	<code>moveTo</code>	<code>personalbar</code>	<code>sun</code>
<code>caller</code>	<code>Hidden</code>	<code>name</code>	<code>Plugin</code>	<code>taint</code>
<code>captureEvents</code>	<code>hide</code>	<code>NaN</code>	<code>print</code>	<code>Text</code>
<code>Checkbox</code>	<code>history</code>	<code>navigate</code>	<code>prompt</code>	<code>Textarea</code>
<code>clearInterval</code>	<code>History</code>	<code>navigator</code>	<code>prototype</code>	<code>toolbar</code>
<code>clearTimeout</code>	<code>home</code>	<code>Navigator</code>	<code>Radio</code>	<code>top</code>
<code>close</code>	<code>Image</code>	<code>netscape</code>	<code>ref</code>	<code>toString</code>
<code>closed</code>	<code>Infinity</code>	<code>Number</code>	<code>RegExp</code>	<code>unescape</code>
<code>confirm</code>	<code>innerHeight</code>	<code>Object</code>	<code>releaseEvents</code>	<code>untaint</code>
<code>constructor</code>	<code>innerWidth</code>	<code>onblur</code>	<code>Reset</code>	<code>unwatch</code>
<code>Date</code>	<code>isFinite</code>	<code>onerror</code>	<code>resizeBy</code>	<code>valueOf</code>
<code>defaultStatus</code>	<code>isNaN</code>	<code>onfocus</code>	<code>resizeTo</code>	<code>watch</code>
<code>document</code>	<code>java</code>	<code>onload</code>	<code>routeEvent</code>	<code>window</code>
<code>Document</code>	<code>JavaArray</code>	<code>onunload</code>	<code>scroll</code>	<code>Window</code>
<code>Element</code>	<code>JavaClass</code>	<code>open</code>	<code>scrollBars</code>	
<code>escape</code>	<code>JavaScript</code>	<code>opener</code>	<code>scrollBy</code>	
<code>eval</code>	<code>JavaPackage</code>	<code>Option</code>	<code>scrollTo</code>	