



Creating Content for Web Browser

Palm OS® 5 SDK Web Browser Update

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Designing Handheld Web Content

With the introduction of Palm OS® 5, Palm OS handhelds are breaking new ground in personal computing. PalmSource® Web Browser version 2.0 adds full-featured, proxyless web browsing to this innovative operating system.

This document will help you create web content that is ideally suited for viewing on Palm OS handhelds. If you've already created content for the Palm OS in the form of Web Clipping Applications (WCAs), this document will help you migrate those applications to online web pages.

This chapter discusses the following topics:

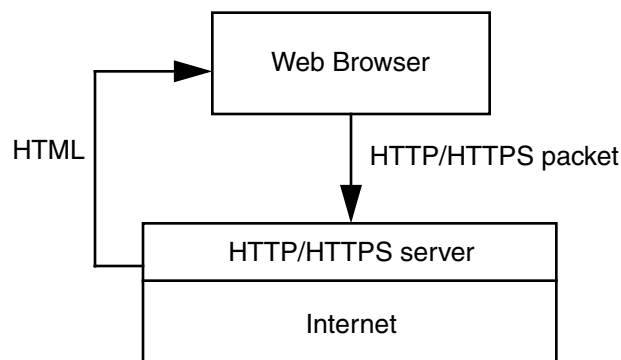
- [“A Look at the Architecture”](#) on page 2
- [“Detecting PalmSource Web Browser Access”](#) on page 3
- [“Designing for the Handheld Browsing Experience”](#) on page 3
- [“Converting Web Clipping Application Content”](#) on page 11
- [“Web Browser Support for Internet Standards”](#) on page 14
- [“For More Information”](#) on page 15

A Look at the Architecture

Palm OS version 4.1 and earlier used a Palm-hosted proxy server to minimize the amount of data that was transmitted to the handheld. This proxy server converted HTML into Compressed Markup Language (CML) format, which was then sent to the handheld. A special local file format, the Web Clipping Application (WCA), was developed to improve performance even more.

Increased wireless bandwidth and faster processors made it possible to simplify this process in Web Browser, as shown in [Figure 1.1](#).

Figure 1.1 Web Browser Transaction Path



Web Browser works very much like a desktop computer's web browser: it does not use a proxy server (unless the user chooses one) and it transmits HTML and other formats directly to the handheld. This also means that WCAs (also known as PQAs) are no longer necessary; in fact, because they depended on the proxy server, Web Browser will not support WCAs. For more information about converting your WCAs into online web applications, see [“Converting Web Clipping Application Content”](#) on page 11.

When you install Web Browser, it becomes the default Palm OS handler for some types of content, identified by their MIME types: text/html, image/gif, and image/jpeg.

Detecting PalmSource Web Browser Access

Because handhelds typically have smaller screen sizes and other physical characteristics that make them different from desktop computers, you will probably want to design pages specifically for handheld viewing. Your web server can detect Web Browser access requests by “sniffing” for the browser’s **user-agent string**. A simple server-side script can detect the access and display pages that work with the handheld’s configuration.

When Web Browser sends a request to the HTTP server, the following default string is included in the user-agent section of the request header:

```
Mozilla/4.0 (compatible; MSIE 6.0; Windows 95; PalmSource) NetFront/3.0
```

If the handheld manufacturer chose to enable the long version of this string, you can get information about hardware capabilities. For example, the long version might look like the following string:

```
Mozilla/4.0 (compatible; MSIE 6.0; Windows 95; PalmSource) NetFront/3.0; 8;  
320x320)
```

The last three numbers represent the color bit depth (8-bit), screen width (320), and screen height (320), respectively. The possible color values are 1, 2, 4, 8, and 16. The width and height are measured in pixels.

Once your script has detected a Web Browser access request, that script can redirect the user to a set of pages specifically designed for handheld viewing, or perform other processing.

Designing for the Handheld Browsing Experience

While the new browser will properly render current web sites, these web sites are generally not well suited for viewing on a small screen. Some will render poorly when confined to a small viewing area, and others will require the user to scroll around the page to see all of it. A site that is designed with handheld devices in mind can accommodate the inherent limitations of screen size, speed,

Designing Handheld Web Content

Designing for the Handheld Browsing Experience

bandwidth, and processing power and make your content accessible to an eager audience.

First impressions are important. Your site's users should have a handheld-optimized browsing experience from the beginning without tracking down a special URL or scrolling around a desktop-optimized page looking for a link to the "Handheld Version." For more information about redirecting users to optimized pages, see "[Detecting PalmSource Web Browser Access](#)" on page 3.

The following sections provide some hints for developing effective web sites under these constraints:

- [Mobility](#)
- [Connectivity](#)
- [Caching](#)
- [Screen Size and Resolution](#)
- [Navigation and Scrolling](#)
- [Tables and Frames](#)
- [Images and Color](#)
- [Forms](#)

Mobility

The handheld browsing experience is inherently different from the desktop browsing experience. Web site users will visit your site while riding the bus, waiting in line, or sitting in a café. Consider how this affects the structure, content, and presentation of your site.

Connectivity

The vast majority of Palm OS handhelds access the Internet through telephony-based connectivity solutions. While GPRS phones and WiFi/Bluetooth will eventually bring megabit speeds, common technology is limited to between 19.6 kbps and 56 kbps. Mobile users generally need to get to information quickly (especially when they're charged by the minute), so be mindful of download times. You must design your website to issue and return pages to users as quickly as possible. Avoid large graphics, background music, or

other data-heavy content, and consider distributing information in smaller chunks.

Caching

Consider taking advantage of Web Browser's local caching features to minimize the amount of downloaded data. For instance, if the home page of your web site rarely changes, you can set a large max-age for that page. This setting will force Web Browser to load the locally cached version of the page, simulating the functionality of most WCAs.

Web Browser lets you control caching with the following HTTP/1.1 header elements and directives. You may also send any of these elements in HTML META tag format, which will override the HTTP header elements.

See the HTTP/1.1 specification at <http://www.w3c.org> for more information about each header element and directive.

Cache-Control: max-age

The content is fresh for the specified number of seconds. This directive takes priority over the Expires element.

META tag example:

```
<meta http-equiv="max-age" content="300">
```

Cache-Control: no-cache

The content expires when received and will not be used without further revalidation with the web server. The content is never stored in the cache.

For compatibility with HTTP/1.0, Web Browser also supports the Pragma: no-cache directive.

META tag example:

```
<meta http-equiv="no-cache" content="true">
```

Cache-Control: must-revalidate

The content will be revalidated with the web server every time it is accessed.

META tag example:

```
<meta http-equiv="must-revalidate" content="true">
```

Cache-Control: no-store

Any content that has this directive will be removed from the cache at the end of the current browsing session. A session ends when Web Browser is no longer the current application. This means that if Web Browser sublaunches another application, no-store content will still be in the cache when control is returned to Web Browser.

META tag example:

```
<meta http-equiv="no-store" content="true">
```

Expires:"GMT-TIME-IN-ASCII"

The content expires at the specified time.

META tag example:

```
<meta http-equiv="expires" content="Fri, 02 Mar 2003 01:41:31 GMT">
```

Last-Modified:"GMT-TIME-IN-ASCII"

This element is used to determine the freshness of expired content. This information is sent to the web server. If the content is still fresh, the server returns a 304 (Not Modified) response and Web Browser displays the cached content. If it is not fresh, the server sends the fresh content.

META tag example:

```
<meta http-equiv="last-modified" content="Fri, 02 Mar 2001 01:41:31 GMT">
```

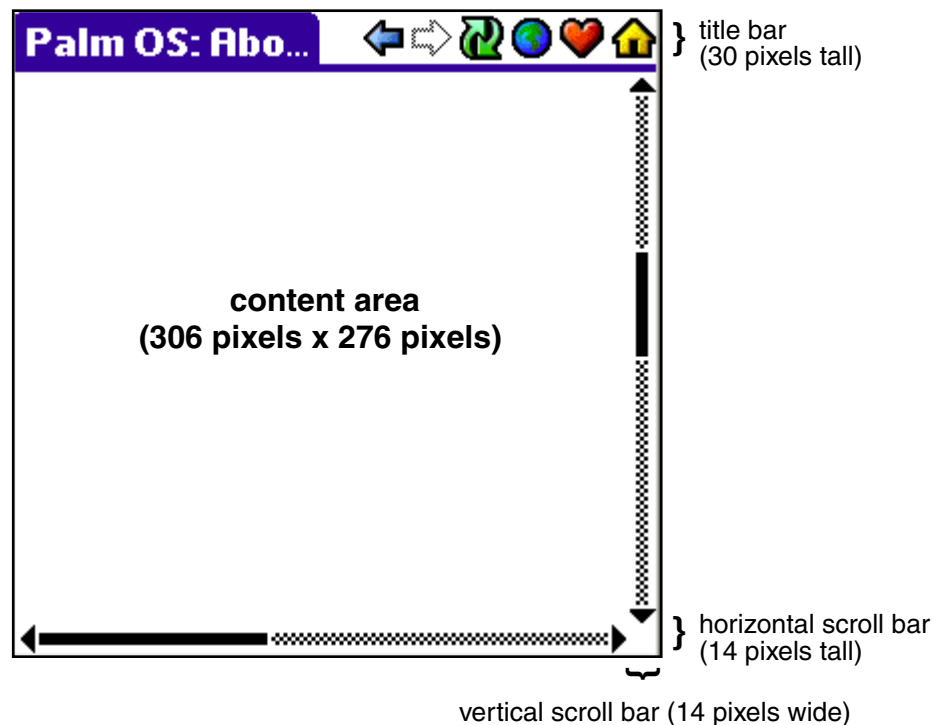
Screen Size and Resolution

You will need to reform your content to fit a screen that's less than a quarter the size of the smallest desktop screens. Common Palm OS handheld displays measure 160 x 160 pixels (low-resolution) or 320 x 320 pixels (high-resolution). Corresponding "tall screen" devices are forthcoming, measuring 160 x 240 pixels and 320 x 480 pixels. Future devices may introduce other screen sizes as well, including the 176 x 220 smart phone standard.

While much of the Palm OS is resolution-independent, Web Browser uses 1-to-1 pixel correlation. This means that Web Browser will not shrink your images and text to fit the screen. If you have a 640-pixel-wide table, only 320 pixels of that table's width will fit on a 320x320-pixel screen—and even less on a low-density screen.

Other screen elements, such as the Web Browser title bar and scroll bar, take up some of this limited space. [Figure 1.2](#) shows the actual content area for one common display size.

Figure 1.2 Display dimensions for a 320x320-pixel screen



Navigation and Scrolling

Consider how users will navigate your site using controls common to Palm OS handhelds. Remember that users will be using a stylus or jog dial instead of a mouse, which means that active feedback involving rollovers or “hovering” is significantly less useful. They will often use their handhelds one-handed, tapping on your links using their finger nails, so your target sizes may need to be increased to compensate for reduced dexterity.

Pages that are larger than the handheld’s screen will draw what they can in the available space and allow the user to scroll around the rest of the page (by using scrollbars or by “drag-scrolling”). As a rule of thumb, assume that things will render on a Palm OS handheld’s screen as they would in a desktop browser window sized to similar dimensions. This applies to framesets, tables, and so forth.

If your content absolutely requires scrolling, consider variations that limit scrolling to the vertical axis, as vertical scrolling is assisted by Palm OS hardware controls. For an example of how readability is improved by eliminating horizontal scrolling, see [Figure 1.3](#) and [Figure 1.4](#).

Figure 1.3 A web page with horizontal scrolling



Figure 1.4 A web page reformatted for Web Browser



Tables and Frames

Web Browser displays frames and tables as a desktop web browser would. However, because Web Browser displays on a small screen, you need to think about how wide tables and multiple frames will appear to the user.

Frames will be scaled to fit within the screen if they meet these two criteria:

- the frames are defined with absolute pixel widths
- and their dimensions are greater than the screen size

In this case, everything on the page will appear on the screen, but the page may look cluttered. The frameset size will be scaled to equal the screen size.

If you want your columns to retain the same absolute widths regardless of screen size, use tables. To specify an absolute table width, use a command like the following example. However, note that if none of the cells in a row or column contain text or graphics, the row or column will collapse to fit in the small screen.

```
<TABLE WIDTH = "120, 360"> graphic or text </TABLE>
```

If you use percentages instead of pixel widths, the table will be scaled to fit the screen. If you define a relative column width using an asterisk, that column will be scaled to fit in the screen.

You can also use the absolute-positioning features of style sheets (CSS) to preserve the layout of your page.

Images and Color

Beyond the variations in standard screen resolution and color depth, different Palm OS hardware manufacturers use different physical components. Some screens are sharper, brighter, or more saturated than others. Test your pages on several different handhelds to ensure that your color selections render well across the handhelds in your intended audience.

In particular, remember that compressed graphics will balloon back to their original size in RAM after downloading. Web Browser does not scale graphics to fit on the small screen, so you may want to

design a handheld-specific page that uses smaller graphics. Reducing the size and number of colors will also help reduce the download times for the user.

Forms

Many web sites include a form that the user fills out and submits to perform a very specific task, such as searching for airline flight information. Rather than present users with the entire home page for your site, you may choose to display a simple page with a few links that take users directly to the tasks they want to perform. Text or image links at the top or bottom of the page can ensure access to the rest of your site if necessary.

Note that forms in Web Browser use native Palm OS buttons and pop-up menus, just as in other Palm OS applications. Take the button size into account when designing your form layout.

Converting Web Clipping Application Content

With the introduction of the new Web Browser, older Web Clipping Applications (WCAs, also known as PQAs) must be converted to simple online content for a small screen device. First, consider these points:

- The WCA Builder application is no longer supported. You will no longer need to build a WCA.
- A separate WCA viewer does not exist in Palm OS 5; local pages or images will no longer reside on the device. All web pages that have references to local content will no longer work.

All WCA-specific meta tags, variables, attributes, special strings, and input types need to be removed. The following tables describe all items that should be removed. For more information about how these tags were used, see the *Web Clipping Developer's Guide*.

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Converting Web Clipping Application Content

Table 1.1 WCA-specific meta tags

Meta-tags	Description	Action
LocalIcon	Includes images or HTML pages in your application that have not been referenced on local pages.	Change all LocalIcon references to images on the server.
PalmComputingPlatform	The web page is web-clipping friendly. This tag was strongly encouraged for all web clipping pages.	Developer can choose to remove. This tag does nothing if it remains in the web page.
PalmDoNotCache	The page is not cached on the device, and type-ahead is disabled on the page.	Remove. This tag is no longer supported.
PalmHREFStyle	Specifies URLs as full or indexed.	Remove. This tag is no longer necessary.
PalmLauncherName	The name that is displayed for your application in the Palm OS Applications Launcher.	Remove. This tag is no longer necessary.
PalmLauncherRevision	The version number of your web clipping application.	Remove. This tag is no longer necessary.
PalmLargeIconFilename /PalmSmallIconFilename	The name of the icon file to associate with your web clipping application in the icon view of the Palm OS Applications Launcher.	Remove. This tag is no longer necessary.
PalmPostEncoding	The encoding to use for posting form data in your application.	Remove. This tag is no longer necessary.
PalmPQABitDepth	The maximum depth bit-depth for images included in your web clipping application.	Remove. This tag is no longer necessary.
PalmPQAVersion	The minimum version of the Viewer required to run your web clipping application.	Remove. This tag is no longer necessary.

Table 1.2 WCA-specific attributes and special strings

Attribute/string	Description	Action
Palm and PalmCall	Launches or sublaunches a Palm OS application.	Keep. These attributes are still available. See <i>Integrating Palm OS Applications with Web Browser</i> for more details.
PalmBinary	Allows downloading of a binary file.	Remove. This attribute is no longer supported.
PalmStyle	Specifies exchange of full or indexed URL for a specific link.	Remove. This tag is no longer necessary.

Table 1.3 WCA-specific input types

Input type	Description	Action
DatePicker	Displays the Palm OS date selector.	Remove. This input type is no longer supported.
TimePicker	Displays the Palm OS time selector.	Remove. This input type is no longer supported.

Table 1.4 WCA-specific variables

Variables	Description	Action
%DeviceID	Replaced by the proxy server with the device ID of the Palm Powered handheld.	Remove. This variable is no longer supported.
%Location	Replaced by the proxy server with location information.	Remove. This variable is no longer supported.
%WCDevCaps	Replaced by the device with device-specific information.	Remove. This variable is no longer supported.
%ZipCode	Replaced by the proxy server with the 5-digit zip code (or postal code) of the user's current base station.	Remove. This variable is no longer supported.

Table 1.5 Additional WCA-specific tags

Tags	Description	Action
Button	Creates a labelled hyperlink button.	Developer can choose to remove. This tag does nothing if it remains in the web page.
SmallScreenIgnore	Specifies web page content that is ignored by web clipping.	Developer can choose to remove. This tag does nothing if it remains in the web page.

Web Browser Support for Internet Standards

Web Browser supports common Internet standards as described in the following sections:

- [HTML Support](#)
- [Scripting Support](#)
- [Other Standards](#)

HTML Support

Web Browser 2.0 supports the WC3 HTML 4.01 standard, plus some extra tags for compatibility.

Scripting Support

Web Browser 2.0 supports the ECMAScript (ECMA-262) standard, which is a unified standard based on JavaScript. It incorporates most aspects of the W3C Document Object Model (DOM). Most web pages designed with JavaScript 1.3 or JScript 5.0 will be compatible with Web Browser. Test your scripts in Web Browser to ensure compatibility.

If your script includes an unsupported function, the script will continue on to the next function. Most script errors will fail silently. However, the `window.open` function will fail with an error if the command is the result of a user action, such as clicking on a link that

opens a popup window. Other situations, such as calling the `window.open` function ONLOAD, will result in a silent failure.

Web Browser does not support other client-side scripting languages such as VBScript. Web Browser ignores the `SCRIPT` and `NOSCRIPT` HTML tags, so it will not recognize these scripts.

Other Standards

Web Browser supports parts of both the CSS1 and CSS2 standards. Most style sheets written with either of these standards will work in Web Browser.

Web Browser does not support Java (embedded in web pages) or XML at this time.

For More Information

Use the following table to find more information about the topics discussed in this chapter:

Topic	Chapter, Document, or Web Page
supported HTML elements	Chapter 2
supported style sheet elements	Chapter 3
supported scripting functions and document objects	Chapter 4
designing Palm OS applications that work with Web Browser	<i>Integrating Palm OS Applications with Web Browser</i>
Web Clipping	<i>Web Clipping Developer's Guide</i> (http://www.palmos.com/dev/support/docs)
Palm OS Simulator (for testing web pages)	http://www.palmos.com/dev/tools/simulator

Designing Handheld Web Content

For More Information

HTML Support Reference

The following tables will help you learn the differences between the HTML elements defined in the W3C HTML 4.01 specification and those supported by PalmSource® Web Browser. Elements that are supported in one set but not in the other are highlighted in **bold** text. If an element does not appear in the table, then Web Browser does not support that element.

- [Table 2.1, “Head elements”](#)
- [Table 2.2, “Body and text elements”](#)
- [Table 2.3, “Font and style elements”](#)
- [Table 2.4, “List elements”](#)
- [Table 2.5, “Table and frame elements”](#)
- [Table 2.6, “Link elements”](#)
- [Table 2.7, “Images and other object elements”](#)
- [Table 2.8, “Form elements”](#)
- [Table 2.9, “Other elements”](#)

HTML Support Reference

Table 2.1 Head elements

Tag	Attribute	HTML 4.01	WB 2.0	Notes
HTML		Y	Y	
	version	Y	Y	
	xmins	N	Y	
HEAD		Y	Y	
	profile	Y	N	
TITLE		Y	Y	
META		Y	Y	
	http-equiv	Y	Y	
	name	Y	N	
	content	Y	N	¹
	scheme	Y	N	

1. The META tag supports both content type and caching attributes. For instance: <META http-equiv=Content-Type content="text/html; charset=shift_jis"> and <META http-equiv=cache-control content=no-cache> are both valid statements.

Table 2.2 Body and text elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
BODY		Y	Y	
	onload	Y	Y	
	onunload	Y	Y	
	background	Y	Y	
	text	Y	Y	

Table 2.2 Body and text elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	link	Y	Y	
	vlink	Y	Y	
	alink	Y	Y	
	bgcolor	Y	Y	
	bgproperties	N	Y	
	bottommargin	N	Y	
	leftmargin	N	Y	
	rightmargin	N	Y	
	scroll	N	Y	
	topmargin	N	Y	
DIV, SPAN		Y	Y	
	align	Y	Y	
H1 – H6		Y	Y	
	align	Y	Y	
ADDRESS		Y	Y	
EM		Y	Y	
STRONG		Y	Y	
DFN		Y	Y	
CODE		Y	Y	
SAMP		Y	Y	
KBD		Y	Y	
VAR		Y	Y	
CITE		Y	Y	

HTML Support Reference

Table 2.2 Body and text elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
ABBR		Y	Y	
ACRONYM		Y	Y	
BLOCKQUOTE, Q		Y	Y	
	cite	Y	Y	
SUB		Y	Y	
SUP		Y	Y	
P		Y	Y	
	align	Y	Y	
BR		Y	Y	
	clear	Y	Y	
PRE		Y	Y	
	width	Y	N	
INS, DEL		Y	Y	
	cite	Y	N	
	datetime	Y	Y	
BLINK		N	Y	
MARQUEE		N	Y	

Table 2.3 Font and style elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
STYLE		Y	Y	
	type	Y	Y	

Table 2.3 Font and style elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	media	Y	Y	
	title	Y	Y	
CENTER		Y	Y	
TT		Y	Y	
I		Y	Y	
B		Y	Y	
BIG		Y	Y	
SMALL		Y	Y	
STRIKE		Y	Y	
S		Y	Y	
U		Y	Y	
FONT		Y	Y	
	size	Y	Y	
	color	Y	Y	
	face	Y	N	
BASEFONT		Y	Y	
	id	Y	Y	
	size	Y	Y	
	color	Y	Y	
	face	Y	N	
HR		Y	Y	
	align	Y	Y	
	noshade	Y	Y	

Table 2.3 Font and style elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	size	Y	Y	
	width	Y	Y	
	behavior	N	Y	
	bgcolor	N	Y	
	direction	N	Y	
	height	N	Y	
	hspace	N	Y	
	loop	N	Y	
	scrollamount	N	Y	
	scrolldelay	N	Y	
	vspace	N	Y	
	width	N	Y	
BDO		Y	N	

Table 2.4 List elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
UL		Y	Y	
	type	Y	Y	
	compact	Y	N	
OL		Y	Y	
	type	Y	Y	
	start	Y	Y	

Table 2.4 List elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	compact	Y	N	
LI		Y	Y	
	type	Y	Y	
	value	Y	Y	
	compact	Y	N	
DIR		Y	Y	
	compact	Y	N	
MENU		Y	Y	
	compact	Y	N	
DL		Y	Y	
	compact	Y	N	
DT		Y	Y	
DD		Y	Y	

Table 2.5 Table and frame elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
TABLE		Y	Y	
	summary	Y	Y	
	width	Y	Y	
	border	Y	Y	
	frame	Y	N	
	rules	Y	Y	

HTML Support Reference

Table 2.5 Table and frame elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	cellspacing	Y	Y	
	cellpadding	Y	Y	
	align	Y	Y	
	bgcolor	Y	Y	
	background	N	Y	
	bordercolor	N	Y	
CAPTION		Y	Y	
	align	Y	N	
THEAD, TFOOT, TBODY		Y	Y	
	align	Y	N	
	char	Y	N	
	charoff	Y	N	
	valign	Y	N	
	bgcolor	N	Y	
COLGROUP		Y	Y	
	span	Y	Y	
	width	Y	Y	
	align	Y	N	
	char	Y	N	
	charoff	Y	N	
	valign	Y	Y	
	bgcolor	N	Y	
COL		Y	Y	

Table 2.5 Table and frame elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	span	Y	Y	
	width	Y	Y	
	align	Y	N	
	char	Y	N	
	charoff	Y	N	
	valign	Y	Y	
	bgcolor	N	N	
TR		Y	Y	
	bgcolor	Y	Y	
	align	Y	Y	
	char	Y	N	
	charoff	Y	N	
	valign	Y	Y	
	background	N	Y	
	bordercolor	N	Y	
TH, TD		Y	Y	
	abbr	Y	N	
	axis	Y	N	
	headers	Y	N	
	scope	Y	N	
	rowspan	Y	Y	
	colspan	Y	Y	
	align	Y	Y	

Table 2.5 Table and frame elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	char	Y	N	
	charoff	Y	N	
	valign	Y	Y	
	nowrap	Y	Y	
	width	Y	Y	
	height	Y	Y	
	bgcolor	Y	Y	
	background	N	Y	
	bordercolor	N	Y	
FRAMESET		Y	N	
FRAME		Y	N	
NOFRAMES		Y	Y	
IFRAME		Y	N	

Table 2.6 Link elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
A		Y	Y	
	charset	Y	N	¹
	type	Y	N	¹
	name	Y	Y	
	href	Y	Y	
	hreflang	Y	N	¹

Table 2.6 Link elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	rel	Y	N	
	rev	Y	N	
	accesskey	Y	Y	
	shape	Y	N	
	coords	Y	N	
	tabindex	Y	Y	
	onfocus	Y	Y	
	onblur	Y	Y	
	target	Y	Y	
LINK		Y	Y	²
	charset	Y	N	
	href	Y	Y	
	hreflang	Y	N	
	type	Y	N	
	rel	Y	N	
	rev	Y	N	
	media	Y	N	¹
BASE		Y	Y	
	href	Y	Y	
	target	Y	Y	

1. These attributes are only partially supported in style sheets. Non-HTML content types and alternative media types are not supported.

2. LINK tag support is limited to <LINK rel=stylesheet href=(stylesheet URL)>; it does not support other media types.

HTML Support Reference

Table 2.7 Images and other object elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
IMG		Y	Y	
	src	Y	Y	
	alt	Y	Y	
	longdesc	Y	N	
	name	Y	Y	
	height	Y	Y	
	width	Y	Y	
	usemap	Y	N	
	ismap	Y	N	
	align	Y	Y	
	border	Y	Y	
	hspace	Y	Y	
	vspace	Y	Y	
OBJECT		Y	N	
PARAM		Y	N	
APPLET		Y	N	
MAP		Y	N	
AREA		Y	N	

Table 2.8 Form elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
FORM		Y	Y	¹
	action	Y	Y	
	method	Y	Y	
	enctype	Y	Y	
	accept	Y	N	
	name	Y	Y	
	onsubmit	Y	Y	
	onreset	Y	Y	
	accept-charset	Y	Y	
	target	Y	Y	
INPUT		Y	Y	
	disabled	Y	Y	
	tabindex	Y	N	
	accesskey	Y	Y	
	onfocus	Y	Y	
	onblur	Y	Y	
	onselect	Y	N	
	onchange	Y	Y	
	type = button	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = checkbox	Y	Y	

Table 2.8 Form elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	checked	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = file	Y	N	
	type = hidden	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = image	Y	Y	
	align	Y	Y	
	alt	Y	Y	
	border	N	Y	
	height	N	Y	
	ismap	Y	N	
	name	Y	Y	
	src	Y	Y	
	usemap	Y	N	
	value	Y	Y	
	width	N	Y	
	type = password	Y	Y	
	maxlength	Y	Y	
	name	Y	Y	
	size	Y	Y	
	value	Y	Y	

Table 2.8 Form elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	readonly	Y	Y	
	type = radio	Y	Y	
	checked	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = reset	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = submit	Y	Y	
	name	Y	Y	
	value	Y	Y	
	type = text	Y	Y	
	istyle	N	Y	
	maxlength	Y	Y	
	name	Y	Y	
	size	Y	Y	
	value	Y	Y	
	readonly	Y	Y	
BUTTON		Y	Y	
	name	Y	Y	
	value	Y	Y	
	type	Y	Y	
	disabled	Y	Y	

HTML Support Reference

Table 2.8 Form elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	tabindex	Y	N	
	accesskey	Y	Y	
	onfocus	Y	Y	
	onblur	Y	Y	
SELECT		Y	Y	
	name	Y	Y	
	size	Y	Y	
	multiple	Y	Y	
	disabled	Y	Y	
	tabindex	Y	N	
	onfocus	Y	N	
	onblur	Y	N	
	onchange	Y	Y	
	accesskey	N	Y	
OPTGROUP		Y	N	
OPTION		Y	Y	
	selected	Y	Y	
	disabled	Y	N	
	label	Y	N	
	value	Y	Y	
TEXTAREA		Y	Y	
	name	Y	Y	
	rows	Y	Y	

Table 2.8 Form elements (*continued*)

Element	Attribute	HTML 4.01	WB 2.0	Notes
	cols	Y	Y	
	disabled	Y	N	
	readonly	Y	N	
	tabindex	Y	N	
	accesskey	Y	Y	
	onfocus	Y	Y	
	onblur	Y	Y	
	onselect	Y	N	
	onchange	Y	Y	

1. This tag requires the action attribute to submit.

Table 2.9 Other elements

Element	Attribute	HTML 4.01	WB 2.0	Notes
ISINDEX		Y	N	
LABEL		Y	N	
FIELDSET		Y	N	
LEGEND		Y	N	
SCRIPT		Y	N	
NOSCRIPT		Y	N	

Style Sheet Support Reference

PalmSource® Web Browser version 2.0 supports various aspects of both the CSS1 and CSS2 standards. The following tables compare the Web Browser software's CSS support with the CSS1 and CSS2 standards:

[Table 3.1, "Boxes"](#) on page 36

[Table 3.2, "Alignment"](#) on page 42

[Table 3.3, "Auto-Generated Characters"](#) on page 45

[Table 3.4, "Colors and Backgrounds"](#) on page 46

[Table 3.5, "Fonts"](#) on page 47

[Table 3.6, "Text"](#) on page 50

[Table 3.7, "Tables"](#) on page 52

[Table 3.8, "User Interface"](#) on page 53

[Table 3.9, "Miscellaneous"](#) on page 54

[Table 3.10, "Audio Replay"](#) on page 57

[Table 3.11, "Page"](#) on page 57

[Table 3.12, "Selector Patterns"](#) on page 58

Style Sheet Support Reference

Table 3.1 Boxes

Properties	Values	CSS1	CSS2	WB 2.0
border		Y	Y	Y
	'border-width' 'border-style' <color>	Y	Y	Y
	inherit	Y	Y	Y
border-color		Y	Y	Y
	<color>{1,4}	Y	Y	Y
	transparent	Y	Y	Y
	inherit	Y	Y	Y
border-style		Y	Y	Y
	<border-style>{1,4}	Y	Y	Y
	inherit	Y	Y	Y
border-top		Y	Y	Y
	'border-top-width' 'border-top-style' 'border-top-color'	Y	Y	Y
	inherit	Y	Y	Y
border-right		Y	Y	Y
	'border-right-width' 'border-right-style' 'border-right-color'	Y	Y	Y
	inherit	Y	Y	Y
border-bottom		Y	Y	Y
	'border-bottom-width' 'border-bottom-style' 'border-bottom-color'	Y	Y	Y
	inherit	Y	Y	Y
border-left		Y	Y	Y
	'border-left-width' 'border-left-style' 'border-left-color'	Y	Y	Y
	inherit	Y	Y	Y
border-top-color		N	Y	Y

Table 3.1 Boxes (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	<color>	N	Y	Y
	transparent	N	Y	Y
	inherit	N	Y	Y
border-right-color		N	Y	Y
	<color>	N	Y	Y
	transparent	N	Y	Y
	inherit	N	Y	Y
border-bottom-color		N	Y	Y
	<color>	N	Y	Y
	transparent	N	Y	Y
	inherit	N	Y	Y
border-left-color		N	Y	Y
	<color>	N	Y	Y
	transparent	N	Y	Y
	inherit	N	Y	Y
border-top-style		N	Y	Y
	none	N	Y	Y
	hidden	N	Y	Y
	dotted	N	Y	N
	dashed	N	Y	N
	solid	N	Y	Y
	double	N	Y	N
	groove	N	Y	N
	ridge	N	Y	N
	inset	N	Y	N
	outset	N	Y	N

Style Sheet Support Reference

Table 3.1 Boxes (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	inherit	N	Y	Y
border-right-style		N	Y	Y
	none	N	Y	Y
	hidden	N	Y	Y
	dotted	N	Y	N
	dashed	N	Y	N
	solid	N	Y	Y
	double	N	Y	N
	groove	N	Y	N
	ridge	N	Y	N
	inset	N	Y	N
	outset	N	Y	N
	inherit	N	Y	Y
border-bottom-style		N	Y	Y
	none	N	Y	Y
	hidden	N	Y	Y
	dotted	N	Y	N
	dashed	N	Y	N
	solid	N	Y	Y
	double	N	Y	N
	groove	N	Y	N
	ridge	N	Y	N
	inset	N	Y	N
	outset	N	Y	N
	inherit	N	Y	Y
border-left-style		N	Y	Y

Table 3.1 Boxes (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	none	N	Y	Y
	hidden	N	Y	Y
	dotted	N	Y	N
	dashed	N	Y	N
	solid	N	Y	Y
	double	N	Y	N
	groove	N	Y	N
	ridge	N	Y	N
	inset	N	Y	N
	outset	N	Y	N
	inherit	N	Y	Y
border-top-width		Y	Y	Y
	thin	Y	Y	Y
	medium	Y	Y	Y
	thick	Y	Y	Y
	<length>	Y	Y	Y
	inherit	Y	Y	Y
border-right-width		Y	Y	Y
	thin	Y	Y	Y
	medium	Y	Y	Y
	thick	Y	Y	Y
	<length>	Y	Y	Y
	inherit	Y	Y	Y
border-bottom-width		Y	Y	Y
	thin	Y	Y	Y

Style Sheet Support Reference

Table 3.1 Boxes (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	medium	Y	Y	Y
	thick	Y	Y	Y
	<length>	Y	Y	Y
	inherit	Y	Y	Y
border-left-width		Y	Y	Y
	thin	Y	Y	Y
	medium	Y	Y	Y
	thick	Y	Y	Y
	<length>	Y	Y	Y
	inherit	Y	Y	Y
border-width		Y	Y	Y
	<border-width>{1,4}	Y	Y	Y
	inherit	Y	Y	Y
margin		Y	Y	Y
	<margin-width>{1,4}	Y	Y	Y
	inherit	Y	Y	Y
margin-top		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	auto	Y	Y	Y
	inherit	Y	Y	Y
margin-right		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	auto	Y	Y	Y
	inherit	Y	Y	Y

Table 3.1 Boxes (continued)

Properties	Values	CSS1	CSS2	WB 2.0
margin-bottom		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	auto	Y	Y	Y
	inherit	Y	Y	Y
margin-left		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	auto	Y	Y	Y
	inherit	Y	Y	Y
padding		Y	Y	Y
	<padding-width>{1,4}	Y	Y	Y
	inherit	Y	Y	Y
padding-top		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y
padding-right		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y
padding-bottom		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y
padding-left		Y	Y	Y

Style Sheet Support Reference

Table 3.1 Boxes (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y

Table 3.2 Alignment

Properties	Values	CSS1	CSS2	WB 2.0
clear		Y	Y	Y
	none	Y	Y	Y
	left	Y	Y	Y
	right	Y	Y	Y
	both	Y	Y	Y
	inherit	Y	Y	Y
float		Y	Y	Y
	left	Y	Y	Y
	right	Y	Y	Y
	none	Y	Y	Y
	inherit	Y	Y	Y
height		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	auto	Y	Y	Y
	inherit	Y	Y	Y
width		Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y

Table 3.2 Alignment (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	auto	Y	Y	Y
	inherit	Y	Y	Y
max-width		N	Y	Y
	<length>	N	Y	N
	<percentage>	N	Y	N
	none	N	Y	Y
	inherit	N	Y	N
min-height		N	Y	Y
	<length>	N	Y	N
	<percentage>	N	Y	N
	inherit	N	Y	N
max-height		N	Y	Y
	<length>	N	Y	N
	<percentage>	N	Y	N
	none	N	Y	Y
	inherit	N	Y	N
min-width		N	Y	Y
	<length>	N	Y	N
	<percentage>	N	Y	N
	inherit	N	Y	N
bottom		N	Y	N
	<length>	N	Y	N
	<percentage>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
clip		N	Y	N

Style Sheet Support Reference

Table 3.2 Alignment (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	<shape>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
left		N	Y	Y
	<length>	N	Y	Y
	<percentage>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
overflow		N	Y	N
	visible	N	Y	N
	hidden	N	Y	N
	scroll	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
position		N	Y	Y
	static	N	Y	Y
	relative	N	Y	Å~
	absolute	N	Y	Y
	fixed	N	Y	N
	inherit	N	Y	N
	<length>	N	Y	N
	<percentage>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
top		N	Y	Y
	<length>	N	Y	Y

Table 3.2 Alignment (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	<percentage>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
visibility		N	Y	Y
	visible	N	Y	Y
	hidden	N	Y	Y
	collapse	N	Y	N
	inherit	N	Y	Y
z-index		N	Y	Y
	auto	N	Y	Y
	<integer>	N	Y	Y
	inherit	N	Y	Y

Table 3.3 Auto-Generated Characters

Properties	Values	CSS1	CSS2	WB 2.0
	[<string> <uri> <counter> attr(N) open-quote close-quote no-open-quote no-close-quote]+	N	Y	N
	inherit	N	Y	N
counter-increment		N	Y	N
	[<identifier> <integer>?]+	N	Y	N
	none	N	Y	N
	inherit	N	Y	N
counter-reset		N	Y	N
	[<identifier> <integer>?]+	N	Y	N
	none	N	Y	N

Style Sheet Support Reference

Table 3.3 Auto-Generated Characters (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	inherit	N	Y	N
quotes		N	Y	N
	[<string> <string>]+	N	Y	N
	none	N	Y	N
	inherit	N	Y	N

Table 3.4 Colors and Backgrounds

Properties	Values	CSS1	CSS2	WB 2.0
background		Y	Y	Y
	'background-color' 'background-image' 'background-repeat' 'background-attachment' 'background-position'	Y	Y	Y
	inherit	Y	Y	Y
background-attachment		Y	Y	Y
	scroll	Y	Y	Y
	fixed	Y	Y	Y
	inherit	Y	Y	Y
background-color		Y	Y	Y
	<color>	Y	Y	Y
	transparent	Y	Y	Y
	inherit	Y	Y	Y
background-image		Y	Y	Y
	<uri>	Y	Y	Y
	none	Y	Y	Y
	inherit	Y	Y	Y

Table 3.4 Colors and Backgrounds (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
background-position		Y	Y	Y
	<percentage>{1,2}	Y	Y	Y
	<length>{1,2}	Y	Y	Y
	[top center bottom] [left center right]	Y	Y	Y
	inherit	Y	Y	Y
background-repeat		Y	Y	Y
	repeat	Y	Y	Y
	repeat-x	Y	Y	Y
	repeat-y	Y	Y	Y
	no-repeat	Y	Y	Y
	inherit	Y	Y	Y
color		Y	Y	Y
	<color>	Y	Y	Y
	inherit	Y	Y	Y

Table 3.5 Fonts

Properties	Values	CSS1	CSS2	WB 2.0
font		Y	Y	Y
	['font-style' 'font-variant' 'font-weight']?'font-size' [/ 'line-height']? 'font-family'	Y	Y	Y
	caption	Y	Y	Y
	icon	Y	Y	N
	menu	Y	Y	N
	message-box	Y	Y	N
	small-caption	Y	Y	N
	status-bar	Y	Y	N

Style Sheet Support Reference

Table 3.5 Fonts (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	inherit	Y	Y	Y
font-family		Y	Y	Y
	[[<family-name> <generic-family>],]* [<family-name> <generic-family>]	Y	Y	Y
	inherit	Y	Y	Y
font-size		Y	Y	Y
	<absolute-size>	Y	Y	Y
	<relative-size>	Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y
font-size-adjust		N	Y	N
	number	N	Y	N
	none	N	Y	N
	inherit	N	Y	N
font-stretch		N	Y	N
	normal	N	Y	N
	wider	N	Y	N
	narrower	N	Y	N
	ultra-condensed	N	Y	N
	extra-condensed	N	Y	N
	condensed	N	Y	N
	semi-condensed	N	Y	N
	semi-expanded	N	Y	N
	expanded	N	Y	N
	extra-expanded	N	Y	N

Table 3.5 Fonts (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	ultra-expanded	N	Y	N
	inherit	N	Y	Y
font-style		Y	Y	Y
	normal	Y	Y	Y
	italic	Y	Y	Y
	oblique	Y	Y	Y
	inherit	Y	Y	Y
font-variant		Y	Y	N
	normal	Y	Y	N
	small-caps	Y	Y	N
	inherit	Y	Y	N
font-weight		Y	Y	Y
	normal	Y	Y	Y
	bold	Y	Y	Y
	bolder	Y	Y	Y
	lighter	Y	Y	Y
	100	Y	Y	Y
	200	Y	Y	Y
	300	Y	Y	Y
	400	Y	Y	Y
	500	Y	Y	Y
	600	Y	Y	Y
	700	Y	Y	Y
	800	Y	Y	Y
	900	Y	Y	Y
	inherit	Y	Y	Y

Style Sheet Support Reference

Table 3.5 Fonts (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
line-height		Y	Y	Y
	normal	Y	Y	Y
	number	Y	Y	Y
	<length>	Y	Y	Y
	<percentage>	Y	Y	Y
	inherit	Y	Y	Y

Table 3.6 Text

Properties	Values	CSS1	CSS2	WB 2.0
letter-spacing		Y	Y	N
	normal	Y	Y	N
	<length>	Y	Y	N
	inherit	Y	Y	N
text-align		Y	Y	Y
	left	Y	Y	Y
	right	Y	Y	Y
	center	Y	Y	Y
	justify	Y	Y	N
	<string>	Y	Y	N
	inherit	Y	Y	Y
text-decoration		Y	Y	Y
	none	Y	Y	Y
	underline overline line-through blink	Y	Y	Y
	inherit	Y	Y	Y
text-indent		Y	Y	L

Table 3.6 Text (continued)

Properties	Values	CSS1	CSS2	WB 2.0
	<length>	Y	Y	L
	<percentage>	Y	Y	L
	inherit	Y	Y	L
text-shadow		N	Y	N
	none	N	Y	N
	[<color> <length> <length> <length>? ,]* [<color> <length> <length> <length>?]	N	Y	N
	inherit	N	Y	N
text-transform		Y	Y	N
	capitalize	Y	Y	N
	uppercase	Y	Y	N
	lowercase	Y	Y	N
	none	Y	Y	N
	inherit	Y	Y	N
vertical-align		Y	Y	Y
	baseline	Y	Y	Y
	sub	Y	Y	Y
	super	Y	Y	Y
	top	Y	Y	Y
	text-top	Y	Y	Y
	middle	Y	Y	Y
	bottom	Y	Y	Y
	text-bottom	Y	Y	Y
	<percentage>	Y	Y	Y
	<length>	Y	Y	Y
	inherit	Y	Y	Y

Style Sheet Support Reference

Table 3.6 Text (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
word-spacing		Y	Y	N
	normal	Y	Y	N
	<length>	Y	Y	N
	inherit	Y	Y	N

Table 3.7 Tables

Properties	Values	CSS1	CSS2	WB 2.0
border-collapse		N	Y	N
	collapse	N	Y	N
	separate	N	Y	N
	inherit	N	Y	N
border-spacing		N	Y	N
	<length> <length>?	N	Y	N
	inherit	N	Y	N
caption-side		N	Y	N
	top	N	Y	N
	bottom	N	Y	N
	left	N	Y	N
	right	N	Y	N
	inherit	N	Y	N
empty-cells		N	Y	N
	show	N	Y	N
	hide	N	Y	N
	inherit	N	Y	N
table-layout		N	Y	N

Table 3.7 Tables (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	auto	N	Y	N
	fixed	N	Y	N
	inherit	N	Y	N

Table 3.8 User Interface

Properties	Values	CSS1	CSS2	WB 2.0
cursor		N	Y	N
	[<uri>]* [auto crosshair default pointer move e-resize ne-resize nw-resize n-resize se-resize sw-resize s-resize w-resize text wait help]	N	Y	N
	inherit	N	Y	N
outline		N	Y	N
	outline-color' 'outline-style' 'outline-width'	N	Y	N
	inherit	N	Y	N
outline-color		N	Y	N
	<color>	N	Y	N
	invert	N	Y	N
	inherit	N	Y	N
outline-style		N	Y	N
	<border-style>	N	Y	N
	inherit	N	Y	N
outline-width		N	Y	N
	<border-width>	N	Y	N
	inherit	N	Y	N

Style Sheet Support Reference

Table 3.9 Miscellaneous

Properties	Values	CSS1	CSS2	WB 2.0
direction		N	Y	N
	ltr	N	Y	N
	rtl	N	Y	N
	inherit	N	Y	N
display		Y	Y	Y
	inline	Y	Y	Y
	block	Y	Y	Y
	list-item	Y	Y	N
	run-in	N	Y	N
	compact	N	Y	N
	marker	N	Y	N
	table	N	Y	N
	inline-table	N	Y	N
	table-row-group	N	Y	N
	table-header-group	N	Y	N
	table-footer-group	N	Y	N
	table-row	N	Y	N
	table-column-group	N	Y	N
	table-column	N	Y	N
	table-cell	N	Y	N
	table-caption	N	Y	N
	none	Y	Y	Y
	inherit	Y	Y	Y
list-style		Y	Y	Y

Table 3.9 Miscellaneous (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	'list-style-type' 'list-style-position' 'list-style-image'	Y	Y	Y
	inherit	Y	Y	Y
list-style-image		Y	Y	Y
	<uri>	Y	Y	Y
	none	Y	Y	Y
	inherit	Y	Y	Y
list-style-position		Y	Y	Y
	inside	Y	Y	Y
	outside	Y	Y	Y
	inherit	Y	Y	Y
list-style-type		Y	Y	Y
	disc	Y	Y	Y
	circle	Y	Y	Y
	square	Y	Y	Y
	decimal	Y	Y	Y
	decimal-leading-zero	Y	Y	Y
	lower-roman	Y	Y	Y
	upper-roman	Y	Y	Y
	lower-greek	Y	Y	N
	lower-alpha	Y	Y	Y
	lower-latin	Y	Y	N
	upper-alpha	Y	Y	Y
	upper-latin	Y	Y	N
	hebrew	Y	Y	N
	armenian	Y	Y	N

Style Sheet Support Reference

Table 3.9 Miscellaneous (*continued*)

Properties	Values	CSS1	CSS2	WB 2.0
	georgian	Y	Y	N
	cjk-ideographic	Y	Y	N
	hiragana	Y	Y	N
	katakana	Y	Y	N
	hiragana-iroha	Y	Y	N
	katakana-iroha	Y	Y	N
	none	Y	Y	Y
	inherit	Y	Y	Y
marker-offset		N	Y	N
	<length>	N	Y	N
	auto	N	Y	N
	inherit	N	Y	N
unicode-bidi		N	Y	N
	normal	N	Y	N
	embed	N	Y	N
	bidi-override	N	Y	N
	inherit	N	Y	N
white-space		Y	Y	N
	normal	Y	Y	N
	pre	Y	Y	N
	nowrap	Y	Y	N
	inherit	Y	Y	N

Table 3.10 Audio Replay

Properties	Values	CSS1	CSS2	WB 2.0
azimuth	(omitted)	N	Y	N
cue	(omitted)	N	Y	N
cue-before	(omitted)	N	Y	N
cue-after	(omitted)	N	Y	N
elevation	(omitted)	N	Y	N
pause	(omitted)	N	Y	N
pause-before	(omitted)	N	Y	N
pause-after	(omitted)	N	Y	N
pitch	(omitted)	N	Y	N
pitch-range	(omitted)	N	Y	N
play-during	(omitted)	N	Y	N
richness	(omitted)	N	Y	N
speak	(omitted)	N	Y	N
speak-header	(omitted)	N	Y	N
speak-numeral	(omitted)	N	Y	N
speak-punctuation	(omitted)	N	Y	N
speech-rate	(omitted)	N	Y	N
stress	(omitted)	N	Y	N
voice-family	(omitted)	N	Y	N
volume	(omitted)	N	Y	N

Table 3.11 Page

Properties	Values	CSS1	CSS2	WB 2.0
marks	(omitted)	N	Y	N

Style Sheet Support Reference

Table 3.11 Page (*continued*)

orphans	(omitted)	N	Y	N
page	(omitted)	N	Y	N
page-break-before	(omitted)	N	Y	N
page-break-after	(omitted)	N	Y	N
page-break-inside	(omitted)	N	Y	N
size	(omitted)	N	Y	N
widows	(omitted)	N	Y	N

Table 3.12 Selector Patterns

Pattern	CSS1	CSS2	WB 2.0
*	N	Y	Y
E	Y	Y	Y
E F	Y	Y	Y
E > F	N	Y	Y
E:first-child	N	Y	Y
E:link	Y	Y	Y
E:visited	Y	Y	Y
E:active	Y	Y	Y
E:hover	N	Y	Y
E:focus	N	Y	Y
E:lang(c)	N	Y	N
E + F	N	Y	Y
E[foo]	N	Y	Y
E[foo="warning"]	N	Y	Y
E[foo~="warning"]	N	Y	Y
E[lang ="en"]	N	Y	Y

Table 3.12 Selector Patterns (*continued*)

DIV.warning	Y	Y	Y
E#myid	Y	Y	Y
E:first-letter	Y	Y	N
E:first-line	Y	Y	N
E:before	N	Y	N
E:after	N	Y	N
E, F	Y	Y	Y

Scripting and Document Object Support Reference

PalmSource® Web Browser fully supports common scripting and document object model (DOM) standards. This chapter describes Web Browser's support for each technology in the following sections:

- [“Scripting Support”](#) on page 62
- [“Document Object Support”](#) on page 62

Scripting Support

Web Browser is fully compliant with the ECMA-262 (ECMAScript) specification, third edition.

Web Browser also supports several String object methods that are not required by ECMA-262. These methods would be used by the `document.write` function to generate HTML. [Table 4.1](#) provides examples that show how to use these methods. “x” and “y” represent string values.

Table 4.1 Additional String methods

Example	Generated HTML
<code>anchor(x,y)</code>	<code>y</code>
<code>link(x,y)</code>	<code>y</code>
<code>fontcolor(x,y)</code>	<code>y</code>
<code>fontsize(x,y)</code>	<code>y</code>
<code>big(x)</code>	<code><big>x</big></code>
<code>blink(x)</code>	<code><blink>x</blink></code>
<code>bold(x)</code>	<code>x</code>
<code>fixed(x)</code>	<code><tt>x</tt></code>
<code>italics(x)</code>	<code><i>x</i></code>
<code>small(x)</code>	<code><small>x</small></code>
<code>strike(x)</code>	<code><strike>x</strike></code>
<code>sub(x)</code>	<code><sub>x</sub></code>
<code>sup(x)</code>	<code><sup>x</sup></code>

Document Object Support

Web Browser supports the W3C Document Object Model (DOM) Level 1 with a few exceptions. Supported objects are described in the following sections:

- [Core Document Objects](#)
- [Original DOM Objects](#)
- [DOM1 HTML Bindings](#)

NOTE: These sections only list the objects that Web Browser supports. If an object, attribute, method, or event handler does not appear in the table, then Web Browser does not support it.

Core Document Objects

[Table 4.2](#) states which of the core DOM1 objects Web Browser supports. Note that because Web Browser does not support XML yet, this table lists only the HTML-related objects.

Table 4.2 Core Document Objects

Objects	Attributes/Methods	Types	R/O	DOM1	WB 2.0
DOMImplementation	(Methods)				
	hasFeature (in DOMString feature, in DOMString version)	boolean	-	Y	Y
Document	(Attributes)				
	(Methods)				
	getElementsByTagName (in DOMString tagname)	NodeList	-	Y	Y
Node	(Attributes)				
	nodeName	DOMString	Y	Y	Y
	nodeValue	DOMString	N	Y	Y
	nodeType	unsigned short	Y	Y	Y
	parentNode	Node	Y	Y	Y
	childNodes	NodeList	Y	Y	Y
	firstChild	Node	Y	Y	Y
	lastChild	Node	Y	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.2 Core Document Objects (*continued*)

Objects	Attributes/Methods	Types	R/O	DOM1	WB 2.0
	previousSibling	Node	Y	Y	Y
	nextSibling	Node	Y	Y	Y
	attributes	NamedNodeMap	Y	Y	Y
	ownerDocument	Document	Y	Y	Y
	(Methods)				
	hasChildNodes()	boolean	-	Y	Y
NodeList	(Attributes)				
	length	unsigned long	Y	Y	Y
	(Methods)				
	item(in unsigned long index)	Node	-	Y	Y
NamedNodeMap	(Attributes)				
	length	unsigned long	Y	Y	Y
	(Methods)				
	getNamedItem(in DOMString name)	Node	-	Y	Y
	item(in unsigned long index)	Node	-	Y	Y
CharacterData	(Attributes)				
	data	DOMString	N	Y	Y
	length	unsigned long	Y	Y	Y
	(Methods)				
	substringData (in unsigned long offset, in unsigned long count)	DOMString	-	Y	Y
Attr	(Attributes)				
	name	DOMString	Y	Y	Y
	specified	boolean	Y	Y	Y
	value	DOMString	N	Y	Y
Element	(Attributes)				

Table 4.2 Core Document Objects (*continued*)

Objects	Attributes/Methods	Types	R/O	DOM1	WB 2.0
	tagName	DOMString	Y	Y	Y
	(Methods)				
	getAttribute(in DOMString name)	DOMString	-	Y	Y
	setAttribute (in DOMString name, in DOMString value)	void	-	Y	Y
	getAttributeNode (in DOMString name)	Attr	-	Y	Y
	getElementsByTagName (in DOMString name)	NodeList	-	Y	Y

Original DOM Objects

[Table 4.3](#) describes the Web Browser software's support for objects that were in the Original DOM. The original DOM was first implemented in Netscape Navigator 2+, and Microsoft Internet Explorer 3+. These objects are supported for compatibility with older scripts.

Table 4.3 Original DOM Objects

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
Navigator	(Attributes)				
	appName	DOMString	Y	Y	Y
	appName	DOMString	Y	Y	Y
	appVersion	DOMString	Y	Y	Y
	language	DOMString	Y	Y	Y
	mimeTypes	MimeTypeArray	Y	Y	Y
	platform	DOMString	Y	Y	Y
	plugins	PluginArray	Y	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.3 Original DOM Objects (*continued*)

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
	userAgent	DOMString	Y	Y	Y
MimeTypeArray	(Attributes)				
	length	unsigned long	Y	Y	Y
	.				
	[index]	MimeType	Y	Y	Y
	["name"]	MimeType	Y	Y	Y
	.name	MimeType	Y	N	Y
MimeType	(Attributes)				
	description	DOMString	Y	Y	Y
	enabledPlugin	Plugin	Y	Y	Y
	suffixes	DOMString	Y	Y	Y
	type	DOMString	Y	Y	Y
PluginArray	(Attributes)				
	length	unsigned long	Y	Y	Y
	(Methods)				
	refresh(in boolean reload)	void	-	Y	Y
	.				
	[index]	Plugin	Y	Y	Y
	["name"]	Plugin	Y	Y	Y
	.name	Plugin	Y	N	Y
Plugin	(Attributes)				
	description	DOMString	Y	Y	Y
	filename	DOMString	Y	Y	Y
	length	unsigned long	Y	Y	Y
	name	DOMString	Y	Y	Y
Screen	(Attributes)				

Scripting and Document Object Support Reference

Document Object Support

Table 4.3 Original DOM Objects (*continued*)

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
	availHeight	long	Y	Y	Y
	availWidth	long	Y	Y	Y
	colorDepth	long	Y	Y	Y
	height	long	Y	Y	Y
	pixelDepth	long	Y	Y	Y
	width	long	Y	Y	Y
WindowCollection	(Attributes)				
	length	unsigned long	Y	Y	Y
	.				
	[index]	Window	N	Y	Y
	["name"]	Window	N	Y	Y
	.name	Window	N	N	Y
Window	(Attributes)				
	closed	boolean	Y	Y	Y
	defaultStatus	DOMString	N	Y	S
	document	HTMLDocument	Y	Y	Y
	frames	WindowCollection	Y	Y	Y
	history	History	Y	Y	Y
	innerHeight	long	N	Y	Y
	innerWidth	long	N	Y	Y
	length	unsigned long	Y	Y	Y
	location	Location	N	Y	Y
	name	DOMString	N	Y	Y
	navigator	Navigator	Y	N	Y
	opener	Window	N	Y	Y
	parent	Window	Y	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.3 Original DOM Objects (*continued*)

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
	self	Window	Y	Y	Y
	status	DOMString	N	Y	S
	toolbar	Bar	Y	Y	Y
	top	Window	Y	Y	Y
	window	Window	Y	Y	Y
	(Methods)				
	alert(in DOMString message)	void	-	Y	Y
	back()	void	-	Y	Y
	clearInterval(in long intervalID)	void	-	Y	Y
	clearTimeout(in long timeoutID)	void	-	Y	Y
	close()	void	-	Y	Y
	confirm(in DOMString message)	boolean	-	Y	Y
	forward()	void	-	Y	Y
	home()	void	-	Y	Y
	open(in DOMString URL, in DOMString windowName , in DOMString windowFeatures)	Window	-	Y	Y
	prompt(in DOMString message, in DOMString inputDefault / in DOMString message, in long inputDefault)	DOMString	-	Y	Y
	scroll(in long x-coordinate, in long y-coordinate)	void	-	Y	Y
	scrollBy(in long horizontal, in long vertical)	void	-	Y	Y
	scrollTo (in long x-coordinate, in long y-coordinate)	void	-	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.3 Original DOM Objects (*continued*)

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
	setInterval(in DOMString expression, in long msec, in Function function, in long msec, in arg1, argN)	long	-	Y	Y
	setTimeout(in DOMString expression, in long msec, in Function function, in long msec, in arg1, argN)	long	-	Y	Y
	stop()	void	-	Y	Y
	(Event Handlers)				
	onblur	n/a	-	Y	Y
	onfocus	n/a	-	Y	Y
	onload	n/a	-	Y	Y
	onunload	n/a	-	Y	Y
	(Constructor)				
	new window()	n/a	-	Y	Y
History	(Attributes)				
	length	unsigned long	Y	Y	Y
	(Methods)				
	back()	void	-	Y	Y
	forward()	void	-	Y	Y
	go(in long delta / in DOMString location)	void	-	Y	Y
location	(Attributes)				
	hash	DOMString	N	Y	Y
	host	DOMString	N	Y	Y
	hostname	DOMString	N	Y	Y
	href	DOMString	N	Y	Y
	pathname	DOMString	N	Y	Y

Table 4.3 Original DOM Objects (*continued*)

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	Java Script 1.3	WB 2.0
	port	DOMString	N	Y	Y
	protocol	DOMString	N	Y	Y
	search	DOMString	N	Y	Y
	(Methods)				
	reload([in boolean forceGet])	void	-	Y	Y
	replace(in DOMString URL)	void	-	Y	Y
	toString()	DOMString	-	N	Y
Crypto	(Methods)				
	signText(text, selectionStyle [, authority1 [, authorityN...]])	DOMString	-	Y	S

DOM1 HTML Bindings

[Table 4.4](#) describes the Web Browser software's support for objects that are not defined in the core DOM1 specification. These objects bind the document object model to various HTML tags.

Table 4.4 DOM1 HTML Bindings

Objects	Attributes/Methods/Event Handlers/Constructors	Types	R/O	DOM1	WB 2.0
Event	(Attributes)				
	screenX	integer	N	N	Y
	screenY	integer	N	N	Y
	target		N	N	Y
	type	string	N	N	Y
	bubbles	boolean	N	N	Y
	cancelable	boolean	N	N	Y
	view		N	N	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	clientX		N	N	Y
	clientY		N	N	Y
HTMLFrameElement	(Attributes)				
	frameBorder	DOMString	N	Y	Y
	longDesc	DOMString	N	Y	Y
	marginHeight	DOMString	N	Y	Y
	marginWidth	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	noResize	boolean	N	Y	Y
	scrolling	DOMString	N	Y	Y
	src	DOMString	N	Y	Y
	the same as window		-	N	Y
	(Methods)				
	the same as window		-	N	Y
HTMLDocument	(Attributes)				
	alinkColor		N	N	Y
	all	HTMLCollection	Y	N	Y
	anchors	HTMLCollection	Y	Y	Y
	applets	HTMLCollection	Y	Y	Y
	bgColor		N	N	Y
	body	HTMLElement	N	Y	Y
	cookie	DOMString	N	Y	Y
	domain	DOMString	Y	Y	Y
	embeds		Y	N	Y
	fgColor		N	N	Y
	forms	HTMLCollection	Y	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	height		N	N	Y
	images	HTMLCollection	Y	Y	Y
	lastModified		Y	N	Y
	linkColor		N	N	Y
	links	HTMLCollection	Y	Y	Y
	location	Location	N	N	Y
	plugins		Y	N	Y
	referrer	DOMString	Y	Y	Y
	styleSheets	styleSheetList	Y	N	Y
	title	DOMString	N	Y	Y
	URL	DOMString	Y	Y	Y
	vlinkColor		N	N	Y
	width		N	N	Y
	(Methods)				
	close()	void	-	Y	Y
	getElementById (in DOMString elementId)	Element	-	Y	Y
	getElementsByName (in DOMString elementName)	NodeList	-	Y	Y
	open()	void	-	Y	Y
	write(in DOMString text)	void	-	Y	Y
	writeln(in DOMString text)	void	-	Y	Y
	(Event Handlers)				
	onclick	-	N	N	Y
	onmousedown	-	N	N	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup	-	N	N	Y
HTMLAnchorElement	(Attributes)				
	accessKey	DOMString	N	Y	Y
	charset	DOMString	N	Y	Y
	coords	DOMString	N	Y	Y
	href	DOMString	N	Y	Y
	hreflang	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	rel	DOMString	N	Y	Y
	rev	DOMString	N	Y	Y
	shape	DOMString	N	Y	Y
	tabIndex	long	N	Y	Y
	target	DOMString	N	Y	Y
	type	DOMString	N	Y	Y
	x		Y	N	Y
	y		Y	N	Y
	hash	DOMString	N	N	Y
	host	DOMString	N	N	Y
	hostname	DOMString	N	N	Y
	href	DOMString	N	N	Y
	pathname	DOMString	N	N	Y
	port	DOMString	N	N	Y
	protocol	DOMString	N	N	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	search	DOMString	N	N	Y
	(Methods)				
	blur()	void	-	Y	Y
	focus()	void	-	Y	Y
	(Event Handlers)				
	onclick		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
	onfocus		N	Y	Y
	onblur		N	Y	Y
HTMLAppletElement	(Attributes)				0
	align	DOMString	N	Y	S
	alt	DOMString	N	Y	S
	archive	DOMString	N	Y	S
	code	DOMString	N	Y	S
	codeBase	DOMString	N	Y	S
	height	DOMString	N	Y	S
	hspace	DOMString	N	Y	S
	name	DOMString	N	Y	S
	object	DOMString	N	Y	S
	vspace	DOMString	N	Y	S
	width	DOMString	N	Y	S
HTMLImageElement	(Attributes)				

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	align	DOMString	N	Y	Y
	alt	DOMString	N	Y	Y
	border	DOMString	N	Y	Y
	height	DOMString	N	Y	Y
	hspace	DOMString	N	Y	Y
	isMap	boolean	N	Y	Y
	longDesc	DOMString	N	Y	Y
	lowSrc	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	src	DOMString	N	Y	Y
	useMap	DOMString	N	Y	Y
	vspace	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	(Event Handlers)				
	onclick		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
	(Constructor)				
	new Image([width,] [height])		-	N	Y
HTMLAreaElement	(Attributes)				
	accessKey	DOMString	N	Y	Y
	alt	DOMString	N	Y	Y
	coords	DOMString	N	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	href	DOMString	N	Y	Y
	noHref	boolean	N	Y	Y
	shape	DOMString	N	Y	Y
	tabIndex	long	N	Y	Y
	target	DOMString	N	Y	Y
	the same as link				
	(Methods)				
	the same as link			N	Y
	(Event Handlers)				
	onblur		N	Y	Y
	onclick		N	Y	Y
	onfocus		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseup		N	Y	Y
	onMouseOut	-	N	N	Y
	onMouseOver	-	N	N	Y
HTMLLinkElement	(Attributes)				
	disabled	boolean	N	Y	Y
	charset	DOMString	N	Y	Y
	href	DOMString	N	Y	Y
	hreflang	DOMString	N	Y	Y
	media	DOMString	N	Y	Y
	rel	DOMString	N	Y	Y
	rev	DOMString	N	Y	Y
	target	DOMString	N	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
HTMLFormElement	(Attributes)				
	acceptCharset	DOMString	N	Y	Y
	action	DOMString	N	Y	Y
	elements	HTMLCollection	Y	Y	Y
	enctype	DOMString	N	Y	Y
	length	long	Y	Y	Y
	method	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	target	DOMString	N	Y	Y
	(Methods)				
	reset()	void	-	Y	Y
	submit()	void	-	Y	Y
	(Event Handlers)				
	onReset	-	N	N	Y
	onSubmit	-	N	N	Y
	onclick		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
HTMLButtonElement	(Attributes)				
	accessKey	DOMString	N	Y	Y
	disabled	boolean	N	Y	Y
	form	HTMLFormElement	Y	Y	Y
	name	DOMString	N	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	tabIndex	long	N	Y	Y
	type	DOMString	Y	Y	Y
	value	DOMString	N	Y	Y
	(Methods)				
	blur()	void	-	N	Y
	click()		-	N	Y
	focus()	void	-	N	Y
	(Event Handlers)				
	onBlur	-	N	N	Y
	onClick	-	N	N	Y
	onFocus	-	N	N	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onMouseDown	-	N	N	Y
	onMouseUp	-	N	N	Y
HTMLTextAreaElement	(Attributes)				
	accessKey	DOMString	N	Y	Y
	cols	long	N	Y	Y
	defaultValue	DOMString	N	Y	Y
	disabled	boolean	N	Y	Y
	form	HTMLFormElement	Y	Y	Y
	readOnly	boolean	N	Y	Y
	rows	long	N	Y	Y
	name	DOMString	N	Y	Y
	tabIndex	long	N	Y	Y

Scripting and Document Object Support Reference

Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	type	DOMString	Y	Y	Y
	value	DOMString	N	Y	Y
	(Methods)				
	blur()	void	-	Y	Y
	focus()	void	-	Y	Y
	(Event Handlers)				
	onBlur	-	N	N	Y
	onChange	-	N	N	Y
	onFocus	-	N	N	Y
	onclick		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
HTMLSelectElement	(Attributes)				
	disabled	boolean	N	Y	Y
	form	HTMLFormElement	Y	Y	Y
	length	long	Y	Y	Y
	multiple	boolean	N	Y	Y
	name	DOMString	N	Y	Y
	options	HTMLCollection	Y	Y	Y
	selectedIndex	long	N	Y	Y
	size	long	N	Y	Y
	tabIndex	long	N	Y	Y
	type	DOMString	Y	Y	Y

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	value	DOMString	N	Y	Y
	(Methods)				
	add(in HTMLElement element, in HTMLElement before)	void	-	Y	Y
	blur()	void	-	Y	Y
	focus()	void	-	Y	Y
	remove(in long index)	void	-	Y	Y
	(Event Handlers)				
	onBlur	-	N	N	Y
	onChange	-	N	N	Y
	onFocus	-	N	N	Y
	onclick		N	Y	Y
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
HTMLOptionElement	(Attributes)				
	defaultSelected	boolean	N	Y	Y
	disabled	boolean	N	Y	Y
	form	HTMLFormElement	Y	Y	Y
	index	long	N	Y	Y
	label	DOMString	N	Y	Y
	length		Y	N	Y
	selected	boolean	Y	Y	Y
	text	DOMString	Y	Y	Y

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	value	DOMString	N	Y	Y
	(Constructor)				
	new Option([text[, value[,defaultSelected[, selected]]]])		-	N	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLCollection	(Attributes)				
	length	unsigned long	Y	Y	Y
	(Methods)				
	item(in unsigned long index)	Node	-	Y	Y
	namedItem (in DOMString name)	Node	-	Y	Y
	[index]	HTMLElement	N	N	Y
	["name"]	HTMLElement	N	N	Y
	.name	HTMLElement	N	N	Y
HTMLElement	(Attributes)				
	id	DOMString	N	Y	Y
	title	DOMString	N	Y	Y
	lang	DOMString	N	Y	Y
	dir	DOMString	N	Y	Y
	style	CSS2Properties	Y	Y	Y
	className	DOMString	N	Y	Y
HTMLHtmlElement	(Attributes)				
	version	DOMString	N	Y	Y

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Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
HTMLHeadElement	(Attributes)				
	profile	DOMString	N	Y	Y
HTMLTitleElement	(Attributes)				
	text	DOMString	N	Y	Y
HTMLMetaElement	(Attributes)				
	content	DOMString	N	Y	Y
	httpEquiv	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	scheme	DOMString	N	Y	Y
HTMLBaseElement	(Attributes)				
	href	DOMString	N	Y	Y
	target	DOMString	N	Y	Y
HTMLIsIndexElement	(Attributes)				
	form	HTMLFormElement	Y	Y	Y
	prompt	DOMString	N	Y	Y
HTMLBodyElement	(Attributes)				
	aLink	DOMString	N	Y	Y
	background	DOMString	N	Y	Y
	bgColor	DOMString	N	Y	Y
	link	DOMString	N	Y	Y
	text	DOMString	N	Y	Y
	vLink	DOMString	N	Y	Y
	clientWidth	long	N	N	Y
	clientHeight	long	N	N	Y
	(Event Handlers)				
	onclick		N	Y	Y

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	onmousedown		N	Y	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
	onmouseup		N	Y	Y
	onload		N	Y	Y
	onunload		N	Y	Y
HTMLOptGroupElement	(Attributes)				
	disabled	boolean	N	Y	Y
	label	DOMString	N	Y	Y
	(Event Handlers)				
HTMLInputElement	(Attributes)				
	defaultValue ¹	DOMString	N	Y	Y
	defaultChecked ²	boolean	N	Y	Y
	form ³	HTMLFormElement	Y	Y	Y
	accept	DOMString	N	Y	Y
	accessKey	DOMString	N	Y	Y
	align	DOMString	N	Y	Y
	alt	DOMString	N	Y	Y
	checked ²	boolean	N	Y	Y
	disabled	boolean	N	Y	Y
	maxLength	long	N	Y	Y
	name ³	DOMString	N	Y	Y
	readOnly	boolean	N	Y	Y
	size	DOMString	N	Y	Y
	src	DOMString	N	Y	Y

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	tabIndex	long	N	Y	Y
	type ³	DOMString	Y	Y	Y
	useMap	DOMString	N	Y	Y
	value ³	DOMString	N	Y	Y
	(Methods)				
	blur() ³	void	-	Y	Y
	focus() ³	void	-	Y	Y
	click() ⁴	void	-	Y	Y
	(Event Handlers)				
	onBlur ³	-	N	N	Y
	onChange ⁵	-	N	N	Y
	onClick ⁴	-	N	N	Y
	onFocus ³	-	N	N	Y
	onMouseDown ⁴	-	N	N	Y
	onMouseUp	-	N	N	Y
	onmousemove		N	Y	Y
	onmouseout		N	Y	Y
	onmouseover		N	Y	Y
HTMLLabelElement	(Attributes)				
	form	HTMLFormElement	Y	Y	Y
	accessKey	DOMString	N	Y	Y
	htmlFor	DOMString	N	Y	Y
HTMLFieldSetElement	(Attributes)				
	form	HTMLFormElement	Y	Y	Y
HTMLLegendElement	(Attributes)				
	form	HTMLFormElement	Y	Y	Y

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	accessKey	DOMString	N	Y	Y
	align	DOMString	N	Y	Y
HTMLUListElement	(Attributes)				
	compact	boolean	N	Y	Y
	type	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLLOListElement	(Attributes)				
	compact	boolean	N	Y	Y
	start	long	N	Y	Y
	type	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLDListElement	(Attributes)				
	compact	boolean	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLDirectoryElement	(Attributes)				
	compact	boolean	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLMenuElement	(Attributes)				
	compact	boolean	N	Y	Y
	(Event Handlers)				

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	(the same as HTMLImageElement)				
HTMLLIElement	(Attributes)				
	type	DOMString	N	Y	Y
	value	long	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLBlockquoteElement	(Attributes)				
	cite	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLDivElement	(Attributes)				
	align	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLParagraphElement	(Attributes)				
	align	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLHeadingElement	(Attributes)				
	align	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLQuoteElement	(Attributes)				

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Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	cite	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLPreElement	(Attributes)				
	width	long	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLBRElement	(Attributes)				
	clear	DOMString	N	Y	Y
HTMLBaseFontElement	(Attributes)				
	color	DOMString	N	Y	Y
	face	DOMString	N	Y	Y
	size	DOMString	N	Y	Y
HTMLFontElement	(Attributes)				
	color	DOMString	N	Y	Y
	face	DOMString	N	Y	Y
	size	DOMString	N	Y	Y
HTMLHRElement	(Attributes)				
	align	DOMString	N	Y	Y
	noShade	boolean	N	Y	Y
	size	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLModElement	(Attributes)				

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Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	cite	DOMString	N	Y	Y
	dateTime	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLObjectElement	(Attributes)				
	form	HTMLFormElement	Y	Y	Y
	code	DOMString	N	Y	Y
	align	DOMString	N	Y	Y
	archive	DOMString	N	Y	Y
	border	DOMString	N	Y	Y
	codeBase	DOMString	N	Y	Y
	codeType	DOMString	N	Y	Y
	data	DOMString	N	Y	Y
	declare	boolean	N	Y	Y
	height	DOMString	N	Y	Y
	hspace	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	standby	DOMString	N	Y	Y
	tabIndex	long	N	Y	Y
	type	DOMString	N	Y	Y
	useMap	DOMString	N	Y	Y
	vspace	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
HTMLParamElement	(Attributes)				
	name	DOMString	N	Y	Y
	type	DOMString	N	Y	Y

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Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	value	DOMString	N	Y	Y
	valueType	DOMString	N	Y	Y
HTMLMapElement	(Attributes)				
	areas	HTMLCollection	Y	Y	Y
	name	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLScriptElement	(Attributes)				
	text	DOMString	N	Y	Y
	htmlFor	DOMString	N	Y	Y
	event	DOMString	N	Y	Y
	charset	DOMString	N	Y	Y
	defer	boolean	N	Y	Y
	src	DOMString	N	Y	Y
	type	DOMString	N	Y	Y
HTMLTableElement	(Attributes)				
	caption	HTMLTableCaptionElement	N	Y	Y
	tHead	HTMLTableSectionElement	N	Y	Y
	tFoot	HTMLTableSectionElement	N	Y	Y
	rows	HTMLCollection	Y	Y	Y
	tBodies	HTMLCollection	Y	Y	Y
	align	DOMString	N	Y	Y
	bgColor	DOMString	N	Y	Y
	border	DOMString	N	Y	Y

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	cellPadding	DOMString	N	Y	Y
	cellSpacing	DOMString	N	Y	Y
	frame	DOMString	N	Y	Y
	rules	DOMString	N	Y	Y
	summary	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLTableCaptionElement	(Attributes)				
	align	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLTableColElement	(Attributes)				
	align	DOMString	N	Y	Y
	ch	DOMString	N	Y	Y
	chOff	DOMString	N	Y	Y
	span	long	N	Y	Y
	vAlign	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLTableSectionElement	(Attributes)				
	align	DOMString	N	Y	Y
	ch	DOMString	N	Y	Y
	chOff	DOMString	N	Y	Y

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	vAlign	DOMString	N	Y	Y
	rows	HTMLCollection	Y	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLTableRowElement	(Attributes)				
	rowIndex	long	N	Y	Y
	sectionRowIndex	long	N	Y	Y
	cells	HTMLCollection	N	Y	Y
	align	DOMString	N	Y	Y
	bgColor	DOMString	N	Y	Y
	ch	DOMString	N	Y	Y
	chOff	DOMString	N	Y	Y
	vAlign	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLTableCellElement	(Attributes)				
	cellIndex	long	N	Y	Y
	abbr	DOMString	N	Y	Y
	align	DOMString	N	Y	Y
	axis	DOMString	N	Y	Y
	bgColor	DOMString	N	Y	Y
	ch	DOMString	N	Y	Y
	chOff	DOMString	N	Y	Y
	colSpan	long	N	Y	Y
	headers	DOMString	N	Y	Y

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Document Object Support

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	height	DOMString	N	Y	Y
	noWrap	boolean	N	Y	Y
	rowSpan	long	N	Y	Y
	scope	DOMString	N	Y	Y
	vAlign	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	(Event Handlers)				
	(the same as HTMLImageElement)				
HTMLFrameSetElement	(Attributes)				
	cols	DOMString	N	Y	Y
	rows	DOMString	N	Y	Y
	(Event Handlers)				
	onload		N	Y	Y
	onunload		N	Y	Y
HTMLIFrameElement	(Attributes)				
	align	DOMString	N	Y	Y
	frameBorder	DOMString	N	Y	Y
	height	DOMString	N	Y	Y
	longDesc	DOMString	N	Y	Y
	marginHeight	DOMString	N	Y	Y
	marginWidth	DOMString	N	Y	Y
	name	DOMString	N	Y	Y
	scrolling	DOMString	N	Y	Y
	src	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
CSS2Properties	(Attributes)				

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	border	DOMString	N	Y	Y
	border-color	DOMString	N	Y	Y
	border-style	DOMString	N	Y	Y
	border-top	DOMString	N	Y	Y
	border-right	DOMString	N	Y	Y
	border-bottom	DOMString	N	Y	Y
	border-left	DOMString	N	Y	Y
	border-top-color	DOMString	N	Y	Y
	border-right-color	DOMString	N	Y	Y
	border-bottom-color	DOMString	N	Y	Y
	border-left-color	DOMString	N	Y	Y
	border-top-style	DOMString	N	Y	Y
	border-right-style	DOMString	N	Y	Y
	border-bottom-style	DOMString	N	Y	Y
	border-left-style	DOMString	N	Y	Y
	border-top-width	DOMString	N	Y	Y
	border-right-width	DOMString	N	Y	Y
	border-bottom-width	DOMString	N	Y	Y
	border-left-width	DOMString	N	Y	Y
	border-width	DOMString	N	Y	Y
	margin	DOMString	N	Y	Y
	margin-top	DOMString	N	Y	Y
	margin-right	DOMString	N	Y	Y
	margin-bottom	DOMString	N	Y	Y
	margin-left	DOMString	N	Y	Y
	padding	DOMString	N	Y	Y

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Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	padding-top	DOMString	N	Y	Y
	padding-right	DOMString	N	Y	Y
	padding-bottom	DOMString	N	Y	Y
	padding-left	DOMString	N	Y	Y
	clear	DOMString	N	Y	Y
	float	DOMString	N	Y	Y
	height	DOMString	N	Y	Y
	width	DOMString	N	Y	Y
	max-width	DOMString	N	Y	Y
	min-height	DOMString	N	Y	Y
	max-height	DOMString	N	Y	Y
	min-width	DOMString	N	Y	Y
	bottom	DOMString	N	Y	Y
	left	DOMString	N	Y	Y
	position	DOMString	N	Y	Y
	right	DOMString	N	Y	Y
	top	DOMString	N	Y	Y
	visibility	DOMString	N	Y	Y
	z-index	DOMString	N	Y	Y
	background	DOMString	N	Y	Y
	background-attachment	DOMString	N	Y	Y
	background-color	DOMString	N	Y	Y
	background-image	DOMString	N	Y	Y
	background-position	DOMString	N	Y	Y
	background-repeat	DOMString	N	Y	Y
	color	DOMString	N	Y	Y

Table 4.4 DOM1 HTML Bindings (*continued*)

Objects	Attributes/Methods/ Event Handlers/ Constructors	Types	R/O	DOM1	WB 2.0
	font	DOMString	N	Y	Y
	font-family	DOMString	N	Y	Y
	font-size	DOMString	N	Y	Y
	font-style	DOMString	N	Y	Y
	font-weight	DOMString	N	Y	Y
	line-height	DOMString	N	Y	Y
	letter-spacing	DOMString	N	Y	Y
	text-align	DOMString	N	Y	Y
	text-decoration	DOMString	N	Y	Y
	text-indent	DOMString	N	Y	Y
	vertical-align	DOMString	N	Y	Y
	word-spacing	DOMString	N	Y	Y
	direction	DOMString	N	Y	Y
	display	DOMString	N	Y	Y
	list-style	DOMString	N	Y	Y
	list-style-image	DOMString	N	Y	Y
	list-style-position	DOMString	N	Y	Y
	list-style-type	DOMString	N	Y	Y
	marker-offset	DOMString	N	Y	Y
	white-space	DOMString	N	Y	Y

1. Supported values: password, text
2. Supported values: checkbox, radio
3. Supported values: checkbox, file, hidden, password, radio, reset, submit, text
4. Supported values: checkbox, radio, reset, submit
5. Supported values: file, text

