

HTML Cheat Sheet for Transition to HTML 5

Transition to HTML 5

How To Code HTML, What's **New** and ~~Obsolete HTML Tags and Attributes~~

A great quick reference for the transition from HTML 4 to HTML 5. Designed to help authors create polyglot HTML documents, this can also help in creating HTML 4 and XHTML documents, in addition to upgrading to HTML 5. Most HTML cheat sheets, usually based on the technical specifications for a specific version of HTML, show only the valid features in that version of the HTML specs. In contrast, this one helps developers transition from earlier versions of HTML by indicating new features in HTML 5 with a "**New**" flag and using a strike-through font to indicate the tags and attributes previously used in HTML 4, XHTML 1 and earlier versions that are now obsolete in HTML 5.

For a quick reference of HTML character entities, see the [HTML character codes reference](#).

Required or recommended HTML attributes for the HTML tags are shown in bold.

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HTML Page Structure

<i>pagename.html</i>	Purpose	Attributes
<code><?xml version="1.0" encoding="UTF-8"?></code>	xml declaration , recommended	version, encoding
<code><?xml-stylesheet type="text/xsl" href="/template.xsl"?></code>	stylesheet processing instruction , optional	type, href
<code><!DOCTYPE html></code>	document type declaration , recommended	PUBLIC , SYSTEM
<code><html xmlns="http://www.w3.org/1999/xhtml" lang="en"></code>	<code><html></code> top element tag , required	xmlns manifest version common
<code><head></code>	head section , required	profile common
<code><title>...</title></code>	title tag , required	common attributes
... other head section tags ...	HTML Head Section Tags	
<code></head></code>	End of <code><head></code> section	
<code><body></code>	<code><body></code> tag , required	alink background bgscolor link onafterprint onbeforeprint onhashchange onmessage onoffline ononline onpopstate onredo onstorage onundo text vlink common
... body tags ...	HTML Body Tags	
<code></body></code>	End of body of HTML document	
<code></html></code>	End of HTML document	

HTML Character Entities

Character	Named Entity	Decimal	Hexadecimal
" - double quotes	"	"	"
& - ampersand	&	&	&
' - apostrophe / single quote	'	'	'
< - less than sign	<	<	<

<body> Tags

HTML Tag	Purpose	Attributes
<code></code>	hypertext link	href accesskey charset eords hreflang media ping rel rev shape target type
<code></code>	../definitions/placemark link (anchor)	id name

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Character	Named Entity	Decimal	Hexadecimal	HTML Tag	Purpose	Attributes
> - greater than sign	>	>	>	<abbr>	acronym or abbreviation	clear common
non-breaking space	 	 	 	<acronym>	acronyms, deprecated	
¢ - cents sign	¢	¢	¢	<address>	contact information for ancestor <article> or <body>	common
© - copyright symbol	©	©	©	<applet>	Java applets, deprecated	
® - registered trademark	®	®	®	<area/>	area inside image maps	accesskey alt coords href hreflang media nohref ping rel shape target type common
• - bullet	•	•	•	<article>	New sectioning tag for main article	pubdate common
™ - trademark	™	™	™	<aside>	New sectioning tag for sidebar	common
Miscellaneous				<audio>	New embedded audio content	autobuffer autoplay controls loop src common
HTML Tag	Purpose	Usage			bold keywords or other text with no extra importance	common
<!--...-->	comments	must not contain "--"		<bb>	New	type common
Tag and Attribute Coding						
Definition: Polyglot HTML Documents: HTML documents that can be parsed as either text/html or as an XML type such as application/xhtml+xml.						
Tags						
Properly Nested Tags						
<code><p>...</p> <p>... <P>...</P></code>						
<code><tr><td>...</td></tr> <tr><td>...</tr></td></code>						
Empty Tags						
<code>

</code>						
<code><hr/> <hr></code>						
<code></code>						
<code></code>						
Attributes						
Quoted Attributes						
<code><abbr title="Hypertext Markup Language">HTML</abbr></code>						
<code> <!-- ambiguous --></code>						
<code> <!-- / is part of URL --></code>						
<code><p id=back-to-top></code>						
<code><p id="back-to-top"></code>						
Style Attributes						
<code><table width="100%"></code>						
<code><table style="width: 100%"></code>						
<code><table class="wide"></code>						
Boolean Attributes						
<code><option selected="selected"/></code>						
<code><option selected/></code>						
<canvas>	New	height width common		<caption>	table caption	align common

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```
<option selected=""/>
<option selected="true"/>
<option selected="yes"/>
```

Definitions of Acronyms and Abbreviations

Defined term, not definition, in title attribute

A `<dfn title="short for weblog">blog</dfn>` is an online journal.

A `<dfn title="blog">blog or weblog</dfn>` is an online journal.

A `<dfn>blog</dfn>`, short for `<dfn>weblog</dfn>`, is an online journal.

<dfn> gets default title from an <abbr> tag that is its only content

`<dfn><abbr title="National Association for Stock Car Auto Racing">NASCAR</abbr></dfn>` sanctions many different motor races

Override default title on <dfn> when expanding acronyms

`<dfn title="TLA"><abbr title="Three Letter Acronym">TLA</abbr></dfn>` stands for "Three Letter Acronym"

or, look up the acronym in the [Acronym Finder](#) at [Acronyms .net](#) and just copy-and-paste the code

Namespaces

Namespace	URI Declaration	Purpose
xmlns="http://www.w3.org/1999/xhtml"		HTML
xmlns:html="http://www.w3.org/1999/xhtml"		
xmlns:mathml="http://www.w3.org/1998/Math/MathML"		MathML
xmlns:svg="http://www.w3.org/2000/svg"		SVG
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"		XML schema instance document
"http://www.w3.org/XML/1998/namespace" (implicit)		XML

<head> Section Tags

HTML Tag	Purpose	Attributes
<base/>	base URL for other URLs in the document	href target
<basefont>	base font, deprecated	
<isindex>	input field to submit keyword-based query, deprecated	
<link/>	reference to external resource	href rel charset hreflang media rev sizes target title type common
<meta http-equiv="...">/>	HTTP header equivalent	http-equiv content charset

HTML Tag	Purpose	Attributes
<center>	centered blocks, deprecated	
<cite>	citation	common
<code>	program code	common
<col/>	table column	align char charoff span valign width common
<colgroup>	group of table columns	align char charoff span valign width common
<command/>	New	accesskey checked default disabled hidden icon label radiogroup type common
<datagrid>	New	disabled common
<datalist>	New	common
<dd>	definition description	common
	deleted text	cite datetime common
<details>	New	open common
<dialog>	New	common
<dir>	directory listing, deprecated	
<div>	division	align common
<dfn>	inline defined term	title="defined term" title="definition" common
<dl>	definition list	compact common
<dt>	term defined in list	common
	emphasized text	common
<embed/>	New	height src type width common
<fieldset>		disabled form name common
<figure>	New	common
<fn>	footnotes, deprecated	
	font, deprecated	
<footer>	New footer section	common
<form>	form	accept accept-charset action data enctype method replace

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HTML Tag	Purpose	Attributes	HTML Tag	Purpose	Attributes
<meta name="..." />	document metadata	name content charset scheme common	<frame>	frames, deprecated	target common
<script>	dynamic HTML script	async charset defer language src type	<frameset>	top level element for a web page with frames, deprecated	
<style>	style definitions	media type scoped title	<h1> <h2> <h3>	heading levels 1-6	align common
<title>	page title	common	<h4> <h5> <h6>		
HTML Metatags			<header>	New header section	
HTML Metatag	Purpose	Content	<hgroup>	New group of headings for section	common
http-equiv="Cache-Control"	cache control		<hr/>	horizontal rule for a thematic break	align noshade size width common
http-equiv="Content-Disposition"	embedded content or attachment		<i>	italics for technical terms, phrases in other languages, etc.	common
http-equiv="Content-Language"	equivalent to HTTP Content-Language header , deprecated		<iframe>	inline frame	align frameborder height longdesc marginheight marginwidth name sandbox seamless scrolling src width common
http-equiv="Content-Type"	content media type			image	align alt border height hspace ismap longdesc name src usemap vspace width common
http-equiv="Default-Style"			<input/>	input field or control	accept accesskey-align alt autocomplete autofocus checked disabled form formaction formenctype formmethod formnovalidate formtarget height list max maxlength min multiple name pattern placeholder readonly required size src step type value width common
http-equiv="Expires"	cache expiration date		<ins>	inserted text	cite datetime common
http-equiv="Refresh"	refresh or redirect		<kbd>	keyboard input	common
http-equiv="X-UA-Compatible"	user agent compatibility		<label>	label for form control	for common
name="author"	author		<legend>		accesskey-align common
name="classification"				list item	type value (only)
name="copyright"	copyright notice				
name="description"	description				
name="formatter"					
name="generator"					
name="google"	Google archive directive				
name="googlebot"	Google robot directive				
name="HandheldFriendly"	for pages designed for handheld devices	content="true"			
name="keywords"	keywords				
name="rating"	rating				
name="robots"	robots directive				
name="verify"					
name="viewport"	viewport size for				

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HTML Metatag	Purpose	Content	HTML Tag	Purpose	Attributes
	small-screen / handheld devices				common
Common Attributes					
Attribute	Purpose	Example			
accesskey="..."	single case-insensitive character to change focus, deprecated		<mark>	New mark selected text	common
class="..."	space-separated list of class names for CSS or dynamic selection	class="todo high" matches .todo and .high selectors in CSS	<map>	image map	name common
contenteditable="..."	New		<menu>	menu list	compact label type common
contextmenu="..."	New		<meter>	New meter or gauge	high low max min optimum value common
data-*="..."	New author-defined attributes		<nav>	New navigation section	common
dir="..."			<noembed>	Alternate content to be displayed when the <embed/> tag is not supported, deprecated	No replacement needed since the embed tag has been standardized in HTML 5
draggable="..."	New		<noframes>	Alternate content to be displayed when frames are not supported, deprecated	No replacement needed since frames have been removed from the HTML 5 standard
id="..."			<noscript>	fallback content when scripting is disabled	common
hidden="..."	New		<object>	embedded object	align archive border classid codebase codetype data declare height hspace object standby type usemap vspace width common
lang="..."	ISO 639-1 language code, ISO 3166-1 country code, variant	lang="en" lang="en-US"		ordered list	compact reversed start type common
spellcheck="..."	New		<optgroup>	option group	disabled label common
style="..."	inline styles separated by semicolons		<option>	option in selection list	disabled label selected value common
tabindex="..."			<output>	New	form common
title="..."	title		<p>	paragraph	align common
xml:lang="..."	same as lang	use lang instead, without the "xml:" prefix	<param/>	parameter for object	name type value valuetype common
Event Attributes			<pre>	preformatted text	width common
onabort="..."	abort event		<progress>	New progress bar	max value common
onbeforeonload="..."	before onload event		<q>	quotation	cite common
onbeforeunload="..."	before unload event				
onblur="..."	lost focus event				
onchange="..."	content changed event				

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Attribute	Purpose	Example	HTML Tag	Purpose	Attributes
onclick="..."	mouse clicked event		<rp>	New parenthesized ruby text	common
oncontextmenu="..."	context menu event		<rt>	New ruby text	common
oncopy="..."	copy event		<ruby>	New ruby annotation	common
oncut="..."	cut event			strike-through text, deprecated	
ondblclick="..."	mouse double-clicked event		<samp>	sample program code	common
ondrag="..."	drag event		<section>	New section	cite common
ondragend="..."	drag ended event		<select>	selection list	autofocus data disabled form multiple name common
ondragenter="..."	drag entered event		<small>	smaller text for comments and legalese	common
ondragleave="..."	drag exited event		<source/>	New external media source	media src type common
ondragover="..."	drag over event			inline group	common
ondragstart="..."	drag start event		<strike>	strike-through text, deprecated	
ondrop="..."	drop event			text with greater importance	common
onerror="..."	error event		<sub>	subscript	common
onfocus="..."	gained focus event		<sup>	superscript	common
ongesturechange="..."	gesture change event		<table>	table layout	align bgcolor border cellpadding cellspacing frame rules summary width common
ongestureend="..."	end of gesture event		<tbody>	table body	align char charoff valign common
ongesturestart="..."	start of gesture event		<td>	table cell	abbr align axis bgcolor char charoff colspan headers height nowrap rowspan scope valign width common
onkeydown="..."	key pressed down event		<textarea>	text input area	accesskey autofocus cols disabled form maxlength name placeholder readonly required rows wrap common
onkeypress="..."	key pressed event		<tfoot>	table footer	align char charoff valign common
onkeyup="..."	key released event				
onload="..."	document loaded event				
onmousedown="..."	mouse button pressed down event				
onmousemove="..."	mouse moved event				
onmouseout="..."	mouse cursor exited event				
onmouseover="..."	mouse cursor entered event				
onmouseup="..."	mouse button released event				
onmousewheel="..."	mouse wheel rotated event				
onmove="..."	move event				

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Attribute	Purpose	Example	HTML Tag	Purpose	Attributes
onorientationchange="..."	device orientation changed event		<th>	table column heading	abbr align axis bgcolor char charoff height nowrap valign width common
onpaste="..."	paste event		<thead>	table heading	align char charoff valign common
onreset="..."	form reset event		<time>	New time and/or date	datetime common
onresize="..."	resize event		<tr>	table row	align bgcolor char charoff valign common
onscroll="..."	scroll event		<tt>	teletype text, deprecated	
onselect="..."	select event		<u>	underlined text, deprecated	
onsubmit="..."	form submit event			unordered list	compact type common
ontouchcancel="..."	touch cancelled event		<var>	variable	common
ontouchend="..."	touch ended event		<video>	New embedded video	autobuffer autoplay controls height loop poster src width common
ontouchmove="..."	touch move event		<xmp>	example code using preformatted text, deprecated	
ontouchstart="..."	touch started event				
onunload="..."	document unloaded event				
HTML Media Types and Expressions					
Media Type	Description				
all	for all device types, default				
aural	for speech synthesizers				
braille	for braille printers				
handheld	for handheld devices such as cell phones, PDAs and other mobile Internet devices				
print	for printers				
projection	for projection displays				
screen	for traditional computer-based web browsers				
tty	for teletypes and other media with fixed-width-character output				
tv	for televisions and similar devices with limited input capability				
screen,handheld	comma-separated "or"-ed list				
handheld and (min-width:200px)	expressions with media queries				
.htaccess					
Directive	Purpose				
DirectoryIndex /index.html	default page				

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Directive	Purpose	
ErrorDocument 404 /error.html	error page	
AddType application/xhtml+xml;charset=utf-8 html	HTML 5 media type	

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<s> tag... 6
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<sup> tag... 6
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<tfoot> tag... 6
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