

THE ULTIMATE HTML | CSS | PHP CHEATSHEET

w by: websitehostingrating



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COMPLETE HTML CHEATSHEET

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The art of coding can take years to fully master with all the tags, syntaxes and other elements of programming languages often intertwined. Even the more experienced developers can fall into the trap of forgetting the correct syntax for particular tasks. As such, it's unrealistic to expect more green web developers to have a flawless grasp of the art.

This is why cheat sheets for HTML, CSS, and PHP are extremely useful, regardless of how long you've been practicing. It serves as a quick guide to find the right commands and syntaxes, allowing you to focus on actual web development.

Below you'll find a visually inclined cheat sheet preceded by quick refreshers to aid you in your coding endeavors. We've also made it to be easily bookmarked, saved or printed for your convenience.

What is **HTML**?

HTML stands for Hypertext Markup Language – a code that's used to create the structure for a web page and its content. This markup language is comprised of a series of elements that used to make content appear or function a certain way and is a major part of the front-end code of every website.

For example, you can enclose or wrap different parts of the content – where the enclosing tags can make a word or image hyperlink to another page. You can also use this to italicize words, and make the fonts bigger or smaller, among others. As noted by W3, some of the other things HTML allows you to do include:

- Publishing online documents with headings, text, tables, lists, photos, etc.
- Retrieving online information at the click of a button via hypertext links.
- Designing forms for conducting transactions with remote services to search for information, make reservations, or order products, among other functions.
- Including spreadsheets, video clips, and other media and applications already in your documents.

So if you were to make the line "My dog is very sweet" stand by itself, you can specify that it is a paragraph by enclosing it in paragraphs tags (more on this later), which would look like:

<p>My dog is very sweet</p>

What is the difference between **HTML** and **HTML5**?

As the name suggests, HTML5 is the fifth version of the HTML standard. It supports the integration of video and audio into the language, which reduces the need for third-party plugins and elements. Below are the main differences between HTML and HTML5:

HTML:

Doesn't support audio and video without flash player support.

Uses cookies to store temporary data.

Doesn't allow JavaScript to run in the browser.

Allows for vector graphics by using different technologies like VML, Silver-light, and Flash, among others.

Doesn't allow drag and drop effects.

Works with all older browsers.

Less mobile-friendly.

Doctype declaration is long and complicated.

Doesn't have elements like nav and header, as well as attributes like charset, async, and ping.

Extremely difficult to get true GeoLocation of users by using a browser.

Can't handle inaccurate syntax.

HTML5

Supports audio and video controls with the use of <audio> and <video> tags.

Uses SQL databases and application cache to store offline data.

Allows JavaScript to work in the background with the use of JS Web worker API.

Vector graphics are a fundamental part of HTML5, much like SVG and canvas.

Allows drag and drop effects.

Make it possible to draw shapes.

Supports all new browsers like Firefox, Mozilla, Chrome, and Safari.

More mobile-friendly.

Doctype declaration is simple and easy.

Has new elements for web structures like nav, header, and footer, among others, and also has attributes of charset, async, and ping.

Makes character encoding simple and easy.

Allows for tracking of user GeoLocation by using JS GeoLocation API.

Capable of handling inaccurate syntax.

Additionally, there are many elements of **HTML** that have either been modified or removed from **HTML5**. These include:

<**applet**> - Changed to <**object**>
<**acronym**> - Changed to <**abbr**>
<**dir**> - Changed to <**ul**>
<**frameset**> - Removed
<**frame**> - Removed
<**noframes**> - Removed
<**strike**> - No new tag. Uses CSS.
<**big**> - No new tag. Uses CSS.
<**font**> - No new tag. Uses CSS.
<**center**> - No new tag. Uses CSS.
<**tt**> - No new tag. Uses CSS.

Meanwhile, **HTML5** also includes a number of newly added elements. These include:

nav	rt
audio	details
figcaption	wbr
progress	header
command	footer
time	keygen
datalist	embed
video	article
figure	hgroup
meter	bdi
data	mark
section	output
time	source
aside	track
canvas	section
summary	ruby
rp	

Basic HTML Structure

```
<html>
  <head>
    <title>website title</title>
  </head>
  <body>
    website content...
  </body>
</html>
```

Common Tags for Blogs

<h?> - Heading (**h1** for largest to **h6** for smallest)
<p> - Text paragraph
 - bold
<i> - italic
 - hyperlink
<div> - Page divider
 - Show an image
 - Unordered list

 - Line break
 - change text color

Text Formatting

<h?> . . . </h?> - Heading (?=1 for largest to 6 for smallest e.g. **h1**)
 . . . - Bold text
<i> . . . </i> - Italic text
<u> . . . </u> - Underline text
<strike> . . . </strike> - Strikeout
^{. . .} - Superscript – smaller text placed below normal text
_{. . .} - Subscript – smaller text placed below normal text
<small> . . . </small> - Small – fine print size text
<tt> . . . </tt> - Typewriter text
<pre> . . . </pre> - Pre-formatted text
<blockquote> . . . </blockquote> - Text block quote
 . . . - Strong – shown as bold in most browsers
 . . . - Emphasis – shown as italics in most browsers
 . . . - Font tag obsolete (Use CSS) *

Section Divisions

<div> . . . </div> - Page content division or section
 . . . - Section or text within other content
<p> . . . </p> - Text paragraph

 - Line break
<hr> - Basic horizontal line

<hr> Tag Attributes
size="?" - Line thickness in pixels
width="?" - Line width in pixels
width="??%" - Line width as percentage
color="#???????" - Line color *
align="?" - Horizontal alignment (left, center, right) *
noshade - No 3D cutout
<nobr> . . . </nobr> - Line break

Images

 - Basic image

 Tag Attributes
src="url" - Image URL or filename (required)
alt="text" - Alternate text (required)
align="?" - Image alignment with surrounding text *
width="???" - Image width (in pixels or %) *
height="???" - Image height (in pixels or %) *
border="???" - Border thickness (in pixels)
vspace="???" - Space above and below image (in pixels) *
hspace="???" - Space on either side of image (in pixels) *

Linking Tags

 link text - Basic link

<a> Tag Attributes
href="url" - URL of page to link to
name="?" - Name of link (name of anchor, or name of bookmark)
target="?" - Link of target location: _self, _blank, _top, _parent
href="url#bookmark" - Link to a bookmark (defined with name attribute)
href="mailto:email" - Link which initiates an email (dependent on user's email client)

Lists

 . . . – Ordered list
 . . . – Unordered list
 . . . – List item (within ordered or unordered)
<ol type="?"> – Ordered list type: A, a, I, i, 1
<ol start="??"> – Ordered list starting value
<ul type="?"> – Unordered list bullet type: disc, circle, square
<li value="??"> – List item value (changes current and subsequent items)
<li type="??"> – List item type (changes only current item)
<dl> . . . </dl> – Definition list
<dt> . . . </dt> – Term or phrase being defined
<dd> . . . </dd> – Detailed definition of term

Tables

<table> . . . </table> – Define a table

<table> Tag attributes
border="?" – Thickness of outside border
bordercolor="#???????" – Border color
cellspacing="?" – Space between cells (pixels)
cellpadding="?" – Space between cell wall and content
align="?" – Horizontal alignment: left, center, right *
bgcolor="#???????" – Background color *
width="?" – Table width (pixels or %) *
height="?" – Table height (pixels or %) *
<tr> . . . </tr> – Table row within table
<th> . . . </th> – Header cell within table row
<td> . . . </td> – Table header within table row

<td> Tag Attributes
colspan="?" – Number of columns the cell spans across (cell merge)
rowspan="?" – Number of rows a cell spans across (cell merge)
width="?" – Cell width (pixels or %) *
bgcolor="#???????" – Background color *
align="?" – Horizontal alignment: left, center, right *
valign="?" – Vertical alignment: top, middle, bottom *
nowrap – Force no line breaks in a particular cell

Frames

<frameset> . . . </frameset> – Define the set of frames

<frameset> Tag Attributes

`Rows="??,??,..."` – Define row sizes and number of rows (size in pixels or %)
`cols="??,??,..."` – Define column sizes and number of columns (size in pixels or %)
`noresize="noresize"` – User cannot resize any frames in frameset
<frame> . . . </frame>

<frame> Tag Attributes

`src="url"` – Location of HTML file for a frame
`name="***"` – Unique name of frame window
`marginwidth="?"` – Horizontal margin spacing inside frame (pixels)
`marginheight="?"` – Vertical margin spacing inside frame (pixels)
`noresize="noresize"` – Declare all frameset sizes as fixed
`scrolling="***"` – Can the user scroll inside the frame: yes, no, auto
`frameborder="?"` – Frame border: 1=yes, 2=no
`bordercolor="#????????"` – Border color *
<noframes> . . . </noframes> – Unframed content (for browsers not supporting frames)

Forms

<form> . . . </form> – Form input group declaration

<form> Tag Attributes

`action="url"` – URL of Form Script
`method="***"` – Method of Form: get, post
`enctype="***"` – For file upload: enctype="multipart/form-data"
<input> . . . </input> – input field within form

<input> Tag Attributes

`type="***"` – Input field type: text, password, checkbox, submit, etc.
`name="***"` – Form field name (for form processing script)
`value="***"` – Value of input field
`size="***"` – Field size
`maxlength="?"` – Maximum length of input data field
`checked` – Mark selected field in radio button group of checkbox
<select> . . . </select> – Select options from the drop down list

<select> Tag Attributes

`name="***"` – Drop down combo box name (for form processing script)
`size="?"` – Number of selectable options
`multiple` – Allow multiple selections
<option> . . . </option>

<option> Tag Attributes

`value="***"` – Option value
`selected` – Set option as default selection
<textarea> . . . </textarea> – Large area for text input

<textarea> – Text Tag Attributes

`name="***"` – Text area name (for form input processing)
`rows="?"` – Number of rows of text shown
`cols="?"` – Number of columns (characters per rows)
`wrap="***"` – Word wrapping: off, hard, soft

Special Characters

< – < – Less-than symbol
> – > – Greater-than symbol
& – & – Ampersand
" – " – Quotation mark
© – © – Copyright symbol
™ – ™ – Trademark symbol
 – A space (nonbreaking space)
&#??; – ISO 8859-1 character – replace ?? with the iso code

Miscellaneous Tags

<!-- . . . -> – Comment within HTML source code
<!DOCTYPE html . . . > – Document type definition
<meta> . . . </meta> – META information tag

<meta> Tag Attributes
 name="***" – Meta name: description, keywords, author
 http-equiv="***" – HTTP equivalent info: title, etc.
 content="***" – Link content relationship tag
 <link>

<link> Tag Attributes
 rel="***" – Type of forward relationship
 http="url" – URL of object or file being linked
 type="***" – Type of object or file, eg: text/css
 title="***" – Link title (optional)

Body Background and Colors

<body> Tag Attributes
 background="url" – Background image *
 bgcolor="#???????" – Background color *
 text="#???????" – Document text color
 link="#???????" – Link color *
 vlink="#???????" – Visited link color *
 alink="#???????" – Active link color *
 bgproperties="fixed" – Background properties – "Fixed" = non-scrolling watermark *
 leftmargin="?" – Side margin size in pixels (Internet Explorer) *
 topmargin="?" – Top margin size in pixels (Internet Explorer) *

**Tags marked with (*) should still work even if they've been superseded by CSS, which is the recommended way to change the font, color, spacing, border, and alignment of HTML elements.

COMPLETE CSS CHEATSHEET

by: websitehostingrating

What is **CSS**?

Cascading Style Sheets or **CSS** describes how **HTML** elements will be displayed onscreen. Because it can control multiple pages' layouts at the same time, it can save you a lot of time and effort.

What is the Difference Between **HTML** and **CSS**?

While HTML and CSS are both languages used to build webpages and applications, they have different functions. HTML is what you use to dictate the structure and the content that will be displayed on the webpage. CSS, on the other hand, is used for the modification of the design of the HTML elements on the webpage (including layout, visual effects, and background color). Together, HTML and CSS make up a webpage interface.

What is **CSS** Syntax?

CSS Syntax is made up of a selector and a declaration block. The selector determines the HTML element to be styled while the declaration block contains one or more declarations or pairs of CSS a property name and a value with a colon between them. Declarations are separated by semicolons and declaration blocks are always enclosed in curly braces.

For example, if you wish to modify the way your heading 1 looks, your CSS syntax would look like something like this:

```
h1 {color:red; font-size:16pc;}
```

CSS is easy enough to use. The challenge is that there are a lot of selectors and declarations that remembering them all is difficult if not impossible. You don't have to memorize them, though. Here's a cheat sheet for CSS and CSS3 that you can use anytime.

Backgrounds

background
background-image
background-position
background-size
background-repeat
background-attachment
background-origin
background-clip
background-color

background-image
url | Gradients | none

background-position
top left | top center | top right
| center left | center center | center right |
bottom left | bottom center | bottom right
x% y%
X-pos y-pos

background-size
length
%
auto | cover | contain

background-repeat
repeat | repeat-x | repeat-y | no-repeat

background-attachment
scroll | fixed | local

background-origin
border-box | padding-box | content-box

background-clip
border-box | padding-box | content-box | no-clip

background-color
color
transparent

Border

| | |
|--|---|
| border | border-top-color |
| border-width | border-color |
| border-style | border-top-width |
| border-color | thin medium thick length |
| border-width | border-bottom |
| thin medium thick length | border-bottom-width |
| border-style | border-style |
| none hidden dotted
dashed solid double
groove ridge inset outset | border-color |
| border-color | border-bottom-color |
| color | border-color |
| border-left | border-bottom-style |
| border-left-width | border-style |
| border-style | border-break |
| border-color | border-width |
| border-left-style | border-style |
| border-style | color |
| border-left-color | close |
| border-left-width | box-shadow |
| thin medium thick length | inset [length, length, length, length
<color>] |
| border-right | none |
| border-right-width | border-collapse |
| border-style | collapse separate |
| border-color | border-image |
| border-right-style | image |
| border-style | [number / % border-width stretch repeat
round] |
| border-right-color | none |
| border-right-width | border-radius |
| thin medium thick length | border-radius |
| border-top | border-top-right-radius |
| border-top-width | border-bottom-right-radius |
| border-style | border-bottom-left-radius |
| border-color | border-top-left-radius |
| border-top-style | border-top-right-radius |
| border-style | length |
| border-top-width | border-bottom-right-radius |
| thin medium thick length | length |
| border-top-color | border-bottom-left-radius |
| color | length |

Table

border-collapse
collapse | separate

empty-cells
show | hide

border-spacing
length length

table-layout
auto | fixed

caption-side
top | bottom | left | right

Box Model

float
left | right | none

height
auto
length
%

max-height
none
length
%

max-width
none
length
%

min-height
none
length
%

width
auto
%
length

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

margin-bottom
auto
length
%

margin-left
auto
height
%

margin-right
auto
height
%

margin-top
auto
length
%

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

padding-bottom
length
%

padding-left
length
%

padding-right
length
%

padding-top
length
%

display
none | inline | block | inline-block |
list-item | run-in | compact | table |
inline-table | table-row-group |
table-header-group | table-footer-group |
table-row | table-column-group |
table-column | table-cell | table-caption | ruby |
ruby-base | ruby-text | ruby-base-group |
ruby-text-group | inline-flex | inline-grid |
contents

overflow
visible | hidden | scroll |
auto | no-display | no-content
overflow-x
overflow-y

overflow-style
auto | marquee-line | marqueeblock

overflow-x
visible | hidden | scroll |
auto | no-display | no-content

rotation
angle

rotation-point
position (paired value off-set)

visibility
visible | hidden | collapse

clear
left | right | both | none

Font

font
font-style
font-variant
font-weight
font-size/line-height
font-family
caption | icon | menu | messagebox
| small-caption | status-bar

vfont-size-adjust
none | inherit
number

font-family
serif | sans-serif | monospace | cursive | fantasy
} system-ui | emoji | math | fangsong |
inherit | initial | unset

font-style
normal | italic | oblique |
Inherit

font-variant
normal | small-caps | inherit

font-size
xx-small | x-small | small |
medium | large | x-large | xxlarge
| smaller | larger |
inherit
length
%

font-weight
normal | bold | bolder | lighter
| 100 | 200 | 300 | 400 | 500 |
600 | 700 | 800 | 900 | inherit

Color

color
inherit
color

opacity
inherit
number

Column

column-count
auto
number

column-fill
auto | balance

column-gap
normal
length

column-rule
column-rule-width
column-rule-style
column-rule-color

column-rule-style
border-style

columns
column-width
column-count

column-rule-width
thin | medium | thick
length

column-width
auto
length

column-span
1 | all

Colors

color name - red, blue, green, dark green
rgb (x,y,z) - red = rgb(255,0,0)
rgb (x%,y%,z%) - red = rgb (100%,0,0)
rgba (x,y,z, alpha) - red = rgba (255,0,0,0)
#rrggbb - red = #ff0000 (or shorthand - #f00)
hsl - red = hsl (0, 100%, 50%)

flavor - an accent color (usually chosen by the user) that is used to customized the UI of the user agent itself

currentColor - computer value of the 'currentColor' keyword is the computed value of the 'color' property

Text

direction

ltr | rtl | inherit

hanging-punctuation

none | [start | end | endedge]

letter-spacing

normal

length

%

text-outline

none

color

length

unicode-bidi

normal | embed | bidi-override

white-space

normal | pre | nowrap | pre-wrap | pre-line

white-space-collapse

preserve | collapse | preserve-breaks |
discard

punctuation-trim

none | [start | end | adjacent]

text-align

start | end | left | right | center | justify

text-align-last

start | end | left | right | center | justify

text-decoration

none | underline | overline | line-through |
blink

text-shadow

none

color

length

word-break

normal | keep-all | loose | break-strict |
break-all

word-wrap

normal

nowrap

text-emphasis

none | [[accent | dot | circle | disc | [
before | after] ?]

text-indent

length

%

text-justify

auto | inter-word | interideograph
| inter-cluster | distribute | kashida |
tibetan

text-transform

none | capitalize | uppercase |
lowercase

text-wrap

normal | unrestricted | none | suppress

word-spacing

normal

length

%

List and Markers

list-style

list-style-type

list-style-position

list-style-image

list-style-type

none | asterisks | box | check | circle |
diamond | disc | hyphen | square |
decimal |
decimal-leading-zero | lower-roman |
upper-roman | lower-alpha |
upper-alpha | lower-greek | lower-latin |
upper-latin | hebrew | armenian |
georgian | cjk-ideographic | hiragana |
katakana | hiragana-iroha |
katakana-iroha | footnotes

list-style-image

none

url

marker-offset

auto

length

Speech

cue

cue-before

cue-after

cue-before

url [silent | x-soft | soft | medium | loud | x-loud |

none | inherit]

number

%

cue-after

url [silent | x-soft | soft | medium | loud | x-loud |

none | inherit]

number

%

mark

mark-before

mark-after

mark-before

string

mark-after

string

voice-pitch-range

x-low | low | medium | high | xhigh | inherit

number

voice-stress

strong | moderate | none | reduced | inherit

voice-volume

silent | x-soft | soft | medium | loud | x-loud |
inherit

number

%

pause

pause-before

pause-after

pause-before

none | x-weak | weak | medium | strong | x-strong
| inherit

time

pause-after

none | x-weak | weak | medium | strong | x-strong
| inherit

time

phonemes

string

voice-duration

time

voice-family

Inherit | [<specific-voice, age, generic-voice,
number>]

voice-rate

x-slow | slow | medium | fast | x-fast | inherit

%

voice-pitch

x-low | low | medium | high | x-high | inherit

number

%

caption-side

top | bottom | left | right

rest

rest-before

rest-after

rest-before

none | x-weak | weak | medium | strong
| x-strong | inherit

time

rest-after

none | x-weak | weak | medium | strong
| x-strong | inherit

speak

none | normal | spell-out | digits |
literal-punctuation | no-punctuation |
inherit-number

Absolute Measurement

% percentage

cm centimeter

in inch

mm millimeter

pc pica (1p = 12 points)

pt point (1pt = 1/72 inch)

px pixels

Animations

animations
animation-name
animation-duration
animation-timing-function
animation-delay
animation-iteration-count
animation-direction

animation-name
none | IDENT
animation-duration
time

animation-timing-function
ease | linear | ease-in | ease-out | ease-in-out |
cubic-Bezier (number, number, number, number)

animation-delay
Time

animation-iteration-count
inherit
number

animation-direction
normal | alternate

animation-play-state
running | paused

Transitions

transitions
transition-property
transitions-duration
transitions-timing-function
transitions-delay

transitions-delay
time

transitions-duration
time

transitions-property
none | all

transition-timing-function
ease | linear | ease-in | ease-out | ease-in-out |
cubic-Bezier (number, number, number, number)

UI

appearance
normal | inherit | [icon | window | desktop |
work-space | document | tooltip | dialog | button |
push-button | hyperlink | radio-button | checkbox |
menu-item | tab | menu | menubar |
pull-down-menu | pop-up-menu | list-menu |
radio-group | checkbox-group | outline-tree | range
| field | combo-box | signature | password]

cursor
auto | crosshair | default | pointer | move | e-resize
| ne-resize | nw-resize | n-resize | se-resize |
sw-resize | s-resize | w-resize | text | wait | help
url

icon
auto | inherit
url

nav-index
auto | inherit
number

nav-up
auto | inherit <id> [current | root | <target-name>

nav-right
auto | inherit <id> [current | root | <target-name>

nav-down
auto | inherit <id> [current | root | <target-name>

nav-left
auto | inherit <id> [current | root | <target-name>

resize
none | both | horizontal | vertical | inherit

Angles

deg - degrees
grad - grads
rad - radians
turn - turns

Time

ms - milli-seconds
s - seconds

Frequency

Hz - hertz
kHz - kilo-hertz

Pseudo-class

: active - an activated element
: focus - an element while the element has focus
: hover - an element when you mouse over it
: link - an unvisited link
: disabled - an element while the element is disabled
: enabled - an element while the element is enabled
: checked - an element that is checked
: selection - an element that is currently selected or highlighted by the user
: lang - allows the author to specify a language to use in a specified element
: nth-child (n) - an element that is the n-th sibling
: nth-last-child (n) - an element that is the n-th sibling counting from the last sibling
: first-child - an element that is the first sibling
: last-child - an element that is the last sibling
: only-child - an element that is the only child
: nth-of-type (n) - an element that is the n-th sibling of its type
: nth-last-of-type (n) - an element that is the n-th sibling of its type counting from the last sibling
: last-of-type - an element that is the last sibling of its type
: first-of-type - an element that is the first sibling of its type
: only-of-type - an element that is the only child of its type
: empty - an element that has no children
: root - root element within the document
: not (x) - an element not represented by the argument 'x'
: target - a target element as specified by a target in a UR

Pseudo-element

: : first-letter - adds special style to the first letter of a text
: : first-line - adds special style to the first line of a text
: : before - inserts some content before the content of an element
: : after - inserts some content after the content of an element

Relative Measurement

| | |
|-----|---|
| ch | width of the "0" lyp found in the font for the font size used to render |
| em | 1em = current font size of current element |
| ex | x-height of the element's font |
| gd | the grid defined by 'layout-grid' |
| rem | the font size of the root element |
| vh | the viewport's height |
| vw | the viewport's width |
| vm | viewport's height or width, whichever is smaller of the two |

Selector Types

| Name | Info | Example |
|------------------|---|---|
| Universal | Any element | * { font: 10px Arial; } |
| Type | Any element of that type | h1 { text-decoration: underline; } |
| Grouping | Multiple elements of different types | h1, h2, h3 { font-family: Verdana; } |
| Class | Multiple elements of different types when you don't want to affect all instances of that type | .sampleClass
{ text-decoration: underline; } |
| Id | A single element type when you don't want to affect all instances of that type | #sampleID
{ text-decoration: underline; } |
| Descendant | An element that is below {in the document tree} another element - no matter how many levels below | #gallery h1
{ text-decoration: underline; } |
| Child | An element that is directly below (in the document tree) another element | #title > p {font-weight: bold; } |
| Adjacent Sibling | All elements that share the same parent and elements are in the same immediate sequence | h1 + p { font-style: italic; } |
| General Sibling | All elements that share the same parent and elements are in the same sequence (but not necessarily immediate) | h1 ~ p { font-style: italic; } |
| Attribute | An element that matches the attribute listed | E [selected] - att whatever the value
E [att="val"] - att with a specific value

E [rel="next"] - att with a value is a whitespace separated list
*[lang="en"] - att value either being exactly "val" or beginning with "val" immediately followed by " |
| | | "_" |
| | | E [att^="val"] - att value that begins with the prefix "val" |

Outline

outline
outline-color
outline-style
outline-width

outline-offset
inherit
length

outline-style
none | dotted | dashed | solid | double | groove |
ridge | inset | outset

outline-width
thin | medium | thick
length

3D/2D Transform

backface-visibility
visible | hidden

perspective
none
number

perspective-origin
[[percentage] | <length> | left | center |
right] [<percentage> | <length> | top | center |
bottom]?] <length>] | [[[left | center | right] | |
[top | center | bottom]] <length>]

transform

none | matrix | matrix3d | translate3d | translateX |
translateY | translateZ | scale | scale3d | scaleX |
scaleY | scaleZ | rotate | rotate3d | rotateX | rotateY
| rotateZ | skewX | skewY | skew | perspective

Ruby

ruby-align
auto | start | left | center | end | right |
distribute-letter | distribute-space | line-edge

ruby-overhang
auto | start | end | none

ruby-position
before | after | right | inline

ruby-span
attr(x) | none

Hyperlink

target
target-name
target-new
target-position

target-name
current | root | parent | new | modal
string

target-new
window | tab | none

target-position
above | behind | front | back

Positioning

bottom
auto
%
length

right
auto
%
length

clip
shape
auto

top
auto
%
length

left
auto
%
length

z-index
auto
number

position
static | relative | absolute | fixed

Generated Content

| | |
|---------------------------|-----------------------------|
| bookmark-label | hyphenate-lines |
| content | no-limit |
| attr | integer |
| string | |
| bookmark-level | hyphenate-resource |
| none | none |
| integer | url |
| bookmark-target | hyphens |
| self | none manual auto |
| url | |
| attr | |
| border-length | image-resolution |
| self | normal auto |
| url | dpi |
| attr | |
| content | hyphenate-before |
| normal none inhibit | auto |
| url | integer |
| counter-reset | hyphenate-character |
| none | auto |
| identifier number | string |
| crop | marks |
| auto | [crop cross] none |
| shape | |
| display | move-to |
| normal none list-item | normal here |
| float-offset | identifier |
| length length | |
| hyphenate-after | page-policy |
| auto | start first last |
| integer | |
| counter-increment | quotes |
| none | none |
| identifier number | string string string string |
| hyphenate-after | string-set |
| auto | identifier |
| integer | content-list |
| text-replace | |
| none | |
| <string> <string>]+ | |

Line Box

alignment-adjust

auto | baseline | before-edge | text-before-edge | middle | central | after-edge | text-after-edge | ideographic | alphabetic | hanging | mathematical length %

alignment-baseline

baseline | use-script | before-edge | text-before-edge | after-edge | text-after-edge | central | middle | ideographic | alphabetic | hanging | mathematical

baseline-shift

baseline | sub | super length %

dominant-baseline

auto | use-script | no-change | reset-size | alphabetic | hanging | ideographic | mathematical | central | middle | text-after-edge | text-before-edge

drop-initial-after-align

alignment-baseline
drop-initial-after-align
central | middle | after-edge | text-after-edge | ideographic | alphabetic | mathematical %

drop-initial-before-align

caps-height
alignment-baseline
drop-initial-before-adjust
before-edge | text-before-edge | central | middle | hanging | mathematical
length %

drop-initial-value

initial
integer

drop-initial-size

auto
integer
%
line

inline-box-align

initial | last
integer

line-height

normal
number
length
%

line-stacking

line-stacking-strategy
line-stacking-ruby
line-stacking-shift

text-height

auto | font-size | text-size | max-size

vertical-align

baseline | sub | super | top | text-top | middle | bottom | text-bottom
length
%

Paged Media

fit

fill | hidden | meet | slice

fit-position

[top | center | bottom] | | [left | center | right]
length
%

image-orientation

auto
angle

orphans

integer

page

auto
identifier

page-break-after

auto | always | avoid | left | right

page-break-before

auto | always | avoid | left | right

page-break-inside

auto | avoid

size

auto | landscape | portrait
length

windows

integer

COMPLETE PHP CHEATSHEET

by: websitehostingrating

What is PHP?

PHP is an acronym for Hypertext Preprocessor, a popular open-source, HTML-embedded scripting language used for developing dynamic websites, web applications, or static websites. Since PHP is a server-side language, its scripts are executed on the server (not in the browser), and its output is a plain HTML on the browser.

This server-side scripting language runs on a variety of operating systems, including Windows, Mac OS, Linux, and Unix. It's also compatible with most servers such as Apache and IIS.

Compared to other languages like ASP and JSP, PHP is easy to learn for beginners. PHP also offers plenty of features that advanced-level developers need.

What is the Difference Between PHP and HTML?

Although both languages are crucial to web development, PHP and HTML are different in several ways.

The key difference lies in what the two languages are used for. HTML is used for client-side (or front-end) development, while PHP is used for server-side development. HTML is the language developers use for organizing content on a website, such as inserting text, images, tables, and hyperlinks, formatting text, and specifying colors.

Meanwhile, PHP is used to store and retrieve data from a database, perform logical operations, send and reply to emails, upload and download files, develop desktop applications, and more.

In terms of code type, HTML is static while PHP is dynamic. An HTML code is always the same each time it's opened, while PHP results vary depending on the user's browser.

For new developers, both languages are easy to learn, though the learning curve is shorter with HTML than PHP.

If you're a novice programmer who wants to be more proficient in PHP or expand your knowledge of it, here's a PHP cheat sheet you can quickly refer to. This cheat sheet consists of PHP functions—which are shortcuts for the widely used codes—that are built into the scripting language.

PHP Array Functions

array

Creates an array

array_change_key_case

Changes the case of all keys in an array

array_chunk

Splits an array into chunks

array_column

Returns the values from a single column

array_combine

Creates an array using one array for keys and another for its values

array_count_values

Counts all the values of an array

array_diff_assoc

Computes the difference of arrays with additional index check

array_diff_key

Computes the difference of arrays using keys for comparison

array_diff_uassoc

Computes the difference of arrays with additional index check, which is performed by a user-supplied callback function

array_diff_ukey

Computes the difference of arrays using a callback function on the keys for comparison

array_diff

Computes the difference of arrays

array_fill_keys

Fills an array with values, specifying keys

array_fill

Fills an array with values

array_filter

Filters elements of an array using a callback function

array_flip

Exchanges all keys with their associated values in an array

array_intersect_assoc

Computes the intersection of arrays with additional index check

array_intersect_key

Computes the intersection of arrays using keys for comparison

array_intersect_uassoc

Computes the intersection of arrays with additional index check, compares indexes by a callback function

array_intersect_ukey

Computes the intersection of arrays using a callback function on the keys for comparison

array_intersect

Computes the intersection of arrays

array_key_exists

Checks if the given key or index exists in the array

array_key_first

Gets the first key of an array

array_key_last

Gets the last key of an array

array_keys

Return all the keys or a subset of the keys of an array

array_map

Applies the callback to the elements of the given arrays

| | | | |
|--------------------------------|--|--------------------------------|---|
| array_merge_recursive | Merges one or more arrays recursively | array_udiff_assoc | Computes the difference of arrays with additional index check, compares data by a callback function |
| array_merge | Merges one or more arrays | array_udiff_uassoc | Computes the difference of arrays with additional index check, compares data and indexes by a callback function |
| array_multisort | Sorts multiple or multi-dimensional arrays | array_udiff | Computes the difference of arrays by using a callback function for data comparison |
| array_pad | Pads array to the specified length with a value | array_uintersect_assoc | Computes the intersection of arrays with additional index check, compares data by a callback function |
| array_pop | Pops the element off the end of array | array_uintersect_uassoc | Computes the intersection of arrays with additional index check, compares data and indexes by separate callback functions |
| array_product | Calculates the product of values in an array | array_uintersect | Computes the intersection of arrays, compares data by a callback function |
| array_push | Pushes one or more elements onto the end of array | array_unique | Removes duplicate values from an array |
| array_rand | Selects one or more random keys out of an array | array_unshift | Prepends one or more elements to the beginning of an array |
| array_reduce | Iteratively reduces the array to a single value using a callback function | array_values | Returns all the values of an array |
| array_replace_recursive | Replaces elements from passed arrays into the first array recursively | array_walk_recursive | Applies a user function recursively to every member of an array |
| array_replace | Replaces elements from passed arrays into the first array | array_walk | Applies a user supplied function to every member of an array |
| array_reverse | Returns an array with elements in reverse order | arsort | Sorts an array in reverse order and maintains index association |
| array_search | Searches the array for a given value and returns the first corresponding key if successful | asort | Sorts an array and maintain index association |
| array_shift | Shifts an element off the beginning of array | compact | Creates an array containing variables and their values |
| array_slice | Extracts a slice of the array | | |
| array_splice | Removes a portion of the array and replaces it with something else | | |
| array_sum | Calculates the sum of values in an array | | |

| | | | |
|--------------------|--|-------------------------------|--|
| count | Counts all elements in an array, or something in an object | reset | Sets the internal pointer of an array to its first element |
| current | Returns the current element in an array | rsort | Sorts an array in reverse order |
| each | Returns the current key and value pair from an array and advances the array cursor | shuffle | Shuffles an array |
| end | Sets the internal pointer of an array to its last element | sizeof | Alias of count |
| extract | Imports variables into the current symbol table from an array | sort | Sorts an array |
| in_array | Checks if a value exists in an array | uasort | Sorts an array with a user-defined comparison function and maintains index association |
| key_exists | Alias of array_key_exists | uksort | Sorts an array by keys using a user-defined comparison function |
| key | Fetches a key from an array | usort | Sorts an array by values using a user-defined comparison function |
| krsort | Sorts an array by key in reverse order | <h2>PHP String Functions</h2> | |
| ksort | Sorts an array by key | addcslashes | Quotes string with slashes in a C style |
| list | Assigns variables as if they were an array | addslashes | Quotes string with slashes |
| natcasesort | Sorts an array using a case insensitive "natural order" algorithm | bin2hex | Converts binary data into hexadecimal representation |
| natsort | Sorts an array using a "natural order" algorithm | chop | Alias of rtrim |
| next | Advances the internal pointer of an array | chr | Generates a single-byte string from a number |
| pos | Alias of current | chunk_split | Splits a string into smaller chunks |
| prev | Rewinds the internal array pointer | convert_cyr_string | Converts from one Cyrillic character set to another |
| range | Creates an array containing a range of elements | convert_uudecode | Decodes a uuencoded string |

| | | | |
|---|---|--------------------------------------|--|
| <code>convert_uuencode</code> | Uuencodes a string | <code>levenshtein</code> | Calculates Levenshtein distance between two strings |
| <code>count_chars</code> | Returns information about characters used in a string | <code>localeconv</code> | Gets numeric formatting information |
| <code>crc32</code> | Calculates the crc32 polynomial of a string | <code>ltrim</code> | Strips whitespace (or other characters) from the beginning of a string |
| <code>crypt</code> | One-way string hashing | <code>md5_file</code> | Calculates the md5 hash of a given file |
| <code>echo</code> | Outputs one or more strings | <code>md5</code> | Calculates the md5 hash of a string |
| <code>explode</code> | Splits a string by a string | <code>metaphone</code> | Calculates the metaphone key of a string |
| <code>fprintf</code> | Writes a formatted string to a stream | <code>money_format</code> | Formats a number as a currency string |
| <code>get_html_translation_table</code> | Returns the translation table used by <code>htmlspecialchars</code> and <code>htmlentities</code> | <code>nl_langinfo</code> | Queries language and locale information |
| <code>hebrev</code> | Converts logical Hebrew text to visual text | <code>nl2br</code> | Inserts HTML line breaks before all newlines in a string |
| <code>hebrevc</code> | Converts logical Hebrew text to visual text with newline conversion | <code>number_format</code> | Formats a number with grouped thousands |
| <code>hex2bin</code> | Decodes a hexadecimally encoded binary string | <code>ord</code> | Converts the first byte of a string to a value between 0 and 255 |
| <code>html_entity_decode</code> | Converts HTML entities to their corresponding characters | <code>parse_str</code> | Parses the string into variables |
| <code>htmlentities</code> | Converts all applicable characters to HTML entities | <code>print</code> | Outputs a string |
| <code>htmlspecialchars_decode</code> | Converts special HTML entities back to characters | <code>printf</code> | Outputs a formatted string |
| <code>htmlspecialchars</code> | Converts special characters to HTML entities | <code>quoted_printable_decode</code> | Converts a quoted-printable string to an 8 bit string |
| <code>implode</code> | Joins array elements with a string | <code>quoted_printable_encode</code> | Converts an 8-bit string to a quoted-printable string |
| <code>join</code> | Alias of <code>implode</code> | <code>quotemeta</code> | Quotes meta characters |
| <code>lcfirst</code> | Makes a string's first character lowercase | | |

| | | | |
|-----------------------|---|----------------------|--|
| trim | Strips whitespace (or other characters) from the end of a string | strchr | Alias of strstr |
| setlocale | Sets locale information | strcmp | Binary safe string comparison |
| sha1_file | Calculates the sha1 hash of a file | strcoll | Locale-based string comparison |
| sha1 | Calculates the sha1 hash of a string | strcspn | Finds the length of initial segment not matching the mask |
| similar_text | Calculates the similarity between two strings | strip_tags | Strips HTML and PHP tags from a string |
| soundex | Calculates the soundex key of a string | stripcslashes | Un-quotes string quoted with addcslashes |
| sprintf | Returns a formatted string | stripos | Finds the position of the first occurrence of a case-insensitive substring in a string |
| sscanf | Parses input from a string according to a format | stripslashes | Un-quotes a quoted string |
| str_getcsv | Parses a CSV string into an array | stristr | Case-insensitive strstr |
| str_ireplace | Case-insensitive version of str_replace | strlen | Gets string length |
| str_pad | Pads a string to a certain length with another string | strnatcasecmp | Case-insensitive string comparisons using a "natural order" algorithm |
| str_repeat | Repeats a string | strnatcmp | String comparisons using a "natural order" algorithm |
| str_replace | Replaces all occurrences of the search string with the replacement string | strncasecmp | Binary safe case-insensitive string comparison of the first n characters |
| str_rot13 | Performs the rot13 transform on a string | strcmp | Binary safe string comparison of the first n characters |
| str_shuffle | Randomly shuffles a string | strpbrk | Searches a string for any of a set of characters |
| str_split | Converts a string to an array | strpos | Finds the position of the first occurrence of a substring in a string |
| str_word_count | Returns information about words used in a string | strrchr | Finds the last occurrence of a character in a string |
| strcasecmp | Binary safe case-insensitive string comparison | | |

| | | | |
|-----------------------|---|---------------------------------|--|
| strrev | Reverses a string | vfprintf | Writes a formatted string to a stream |
| stripos | Finds the position of the last occurrence of a case-insensitive substring in a string | vprintf | Outputs a formatted string |
| strrpos | Finds the position of the last occurrence of a substring in a string | vsprintf | Returns a formatted string |
| strspn | Finds the length of the initial segment of a string consisting entirely of characters contained within a given mask | wordwrap | Wraps a string to a given number of characters |
| strstr | Finds the first occurrence of a string | | |
| strtok | Tokenizes string | | |
| strtolower | Makes a string lowercase | doubleval | |
| strtoupper | Makes a string uppercase | empty | Determines if a variable is empty |
| strtr | Translates characters or replace substrings | floatval | Gets the float value of a variable |
| substr_compare | Binary safe comparison of two strings from an offset, up to length characters | get_defined_vars | Returns an array of all defined variables |
| substr_count | Counts the number of substring occurrences | get_resource_type | Returns the resource type |
| substr_replace | Replaces text within a portion of a string | gettype | Gets the type of a variable |
| substr | Returns part of a string | import_request_variables | Imports GET/POST/Cookie variables into the global scope |
| trim | Strips whitespace (or other characters) from the beginning and end of a string | intval | Gets the integer value of a variable |
| ucfirst | Makes a string's first character uppercase | is_array | Finds out if a variable is an array |
| ucwords | Uppercases the first character of each word in a string | is_bool | Finds out if a variable is a boolean |
| | | is_callable | Verifies that the contents of a variable can be called as a function |

| | | | |
|---------------------|---|--|---|
| is_countable | Verifies that the contents of a variable is a countable value | strval | Gets string value of a variable |
| is_double | Alias of <code>is_float</code> | unserialize | Creates a PHP value from a stored representation |
| is_float | Finds out if the type of a variable is float | unset | Unsets a given variable |
| is_int | Finds whether the type of a variable is integer | var_dump | Dumps information about a variable |
| is_integer | Alias of <code>is_int</code> | var_export | Outputs or returns a parsable string representation of a variable |
| is_iterable | Verifies that the contents of a variable is an iterable value | <h2>PHP Date/Time Functions</h2> | |
| is_long | Alias of <code>is_int</code> | checkdate | Validate a Gregorian date |
| is_null | Finds out if a variable is NULL | date_add | Alias of <code>DateTime::add</code> |
| is_numeric | Finds out if a variable is a number or a numeric string | date_create_from_format | Alias of <code>DateTime::createFromFormat</code> |
| is_object | Finds out if a variable is an object | date_create_immutable_from_format | Alias of <code>DateTimeImmutable::createFromFormat</code> |
| is_real | Alias of <code>is_float</code> | date_create_immutable | Alias of <code>DateTimeImmutable::__construct</code> |
| is_resource | Finds out if a variable is a resource | date_create | Alias of <code>DateTime::__construct</code> |
| is_scalar | Finds out if a variable is a scalar | date_date_set | Alias of <code>DateTime::setDate</code> |
| is_string | Find out if the type of a variable is string | date_default_timezone_get | Gets the default timezone used by all date/time functions in a script |
| isset | Determines if a variable is declared and is different than NULL | date_default_timezone_set | Sets the default timezone used by all date/time functions in a script |
| print_r | Prints human-readable information about a variable | date_diff | Alias of <code>DateTime::diff</code> |
| serialize | Generates a storable representation of a value | date_format | Alias of <code>DateTime::format</code> |
| settype | Sets the type of a variable | date_get_last_errors | Alias of <code>DateTime::getLastErrors</code> |

| | |
|---|---|
| <code>date_interval_create_from_date_string</code> | gettimeofday
Gets current time |
| Alias of <code>DateInterval::createFromDateString</code> | |
| <code>date_interval_format</code> | <code>gmdate</code>
Formats a GMT/UTC date/time |
| Alias of <code>DateInterval::format</code> | |
| <code>date_isodate_set</code> | <code>gmmktime</code>
Gets Unix timestamp for a GMT date |
| Alias of <code>DateTime::setISODate</code> | |
| <code>date_modify</code> | <code>gmstrftime</code>
Formats a GMT/UTC time/date according to locale settings |
| Alias of <code>DateTime::modify</code> | |
| <code>date_offset_get</code> | <code>idate</code>
Formats a local time/date as integer |
| Alias of <code>DateTime::getOffset</code> | |
| <code>date_parse_from_format</code> | <code>localtime</code>
Gets the local time |
| Gets info about given date formatted according to the specified format | |
| <code>date_parse</code> | <code>microtime</code>
Returns Unix timestamp with microseconds |
| Returns associative array with detailed info about given date | |
| <code>date_sub</code> | <code>mkttime</code>
Gets Unix timestamp for a date |
| Alias of <code>DateTime::sub</code> | |
| <code>date_sun_info</code> | <code>strftime</code>
Formats a local time/date according to locale settings |
| Returns an array with information about sunset/sunrise and twilight begin/end | |
| <code>date_sunrise</code> | <code>strptime</code>
Parse a time/date generated with strftime |
| Returns time of sunrise for a given day and location | |
| <code>date_sunset</code> | <code>strtotime</code>
Parses about any English textual datetime description into a Unix timestamp |
| Returns time of sunset for a given day and location | |
| <code>date_time_set</code> | <code>time</code>
Return current Unix timestamp |
| Alias of <code>DateTime::setTime</code> | |
| <code>date_timestamp_get</code> | <code>timezone_abbreviations_list</code>
Alias of <code>DateTimeZone::listAbbreviations</code> |
| Alias of <code>DateTime::getTimestamp</code> | |
| <code>date_timestamp_set</code> | <code>timezone_identifiers_list</code>
Alias of <code>DateTimeZone::listIdentifiers</code> |
| Alias of <code>DateTime::setTimestamp</code> | |
| <code>date_timezone_get</code> | <code>timezone_location_get</code>
Alias of <code>DateTimeZone::getLocation</code> |
| Alias of <code>DateTime::getTimezone</code> | |
| <code>date_timezone_set</code> | <code>timezone_name_from_abbr</code>
Returns the timezone name from abbreviation |
| Alias of <code>DateTime::setTimezone</code> | |
| <code>date</code> | <code>timezone_name_get</code>
Alias of <code>DateTimeZone::getName</code> |
| Formats a local time/date | |
| <code>getdate</code> | <code>timezone_offset_get</code>
Alias of <code>DateTimeZone::getOffset</code> |
| Gets date/time information | |

| | | | | |
|---------------------------------|---|--|--|--|
| timezone_open | Alias of DateTimeZone::__construct | decoct | Decimal to octal | |
| timezone_transitions_get | Alias of DateTimeZone::getTransitions | deg2rad | Converts the number in degrees to the radian equivalent | |
| timezone_version_get | Gets the version of the timezonedb | exp | Calculates the exponent of e | |
| <h2>PHP Math Functions</h2> | | | expm1 | |
| abs | Absolute value | floor | Returns exp(number) - 1, computed in a way that is accurate even when the value of number is close to zero | |
| acos | Arc cosine | fmod | Rounds fractions down | |
| acosh | Inverse hyperbolic cosine | getrandmax | Returns the floating point remainder (modulo) of the division of the arguments | |
| asin | Arc sine | hexdec | Shows the largest possible random value | |
| asinh | Inverse hyperbolic sine | hypot | Hexadecimal to decimal | |
| atan2 | Arc tangent of two variables | intdiv | Calculates the length of the hypotenuse of a right-angle triangle | |
| atan | Arc tangent | is_finite | Integer division | |
| atanh | Inverse hyperbolic tangent | is_infinite | Finds out if a value is a legal finite number | |
| base_convert | Converts a number between arbitrary bases | is_nan | Finds out if a value is infinite | |
| bindec | Binary to decimal | lcg_value | Finds out if a value is not a number | |
| ceil | Rounds fractions up | log10 | Combined linear congruential generator | |
| cos | Cosine | log1p | Base-10 logarithm | |
| cosh | Hyperbolic cosine | Returns log(1 + number), computed in a way that is accurate even when the value of number is close to zero | | |
| decbin | Decimal to binary | | | |
| dechex | Decimal to hexadecimal | | | |

log
Natural logarithm

max
Finds the highest value

min
Finds the lowest value

mt_getrandmax
Shows the largest possible random value

mt_rand
Generates a random value via the Mersenne Twister Random Number Generator

mt_srand
Seeds the Mersenne Twister Random Number Generator

octdec
Octal to decimal

pi
Get the value of pi

pow
Exponential expression

rad2deg
Converts the radian number to the equivalent number in degrees

rand
Generates a random integer

round
Rounds a float

sin
Sine

sinh
Hyperbolic sine

sqrt
Square root

srand
Seeds the random number generator

tan
Tangent

tanh
Hyperbolic tangent

PHP Calendar Functions

cal_days_in_month
Returns the number of days in a month for a given year and calendar

cal_from_jd
Converts from Julian Day Count to a supported calendar

cal_info
Returns information about a particular calendar

cal_to_jd
Converts from a supported calendar to Julian Day Count

easter_date
Gets the Unix timestamp for midnight on Easter of a given year

easter_days
Gets the number of days after March 21 on which Easter falls for a given year

frenchtojd
Converts a date from the French Republican Calendar to a Julian Day Count

gregoriantojd
Converts a Gregorian date to Julian Day Count

jddayofweek
Returns the day of the week

jdmonthname
Returns a month name

jdtofrench
Converts a Julian Day Count to the French Republican Calendar

jdtogregorian
Converts Julian Day Count to Gregorian date

jdtojewish
Converts a Julian day count to a Jewish calendar date

jdtojulian
Converts a Julian Day Count to a Julian Calendar Date

jdtonix
Converts Julian Day to Unix timestamp

jewishtojd

Converts a date in the Jewish Calendar to Julian Day Count

juliantojd

Converts a Julian Calendar date to Julian Day Count

unixtojd

Converts Unix timestamp to Julian Day

PHP Directory Functions

chdir

Changes the directory

chroot

Changes the root directory

closedir

Closes the directory handle

dir

Returns an instance of the Directory class

getcwd

Gets the current working directory

opendir

Opens the directory handle

readdir

Reads entry from directory handle

rewinddir

Rewinds the directory handle

scandir

Lists files and directories inside the specified path

PHP Error Handling Functions

debug_backtrace

Generates a backtrace

debug_print_backtrace

Prints a backtrace

error_clear_last

Clears the most recent error

error_get_last

Gets the last occurred error

error_log

Sends an error message to the defined error handling routines

error_reporting

Sets which PHP errors are reported

restore_error_handler

Restores the previous error handler function

restore_exception_handler

Restores the previously defined exception handler function

set_error_handler

Sets a user-defined error handler function

set_exception_handler

Sets a user-defined exception handler function

trigger_error

Generates a user-level error/warning/notice message

user_error

Alias of trigger_error

PHP Filter Functions

filter_has_var

Checks if variable of specified type exists

filter_id

Returns the filter ID belonging to a named filter

filter_input_array

Gets external variables and optionally filters them

filter_input

Gets a specific external variable by name and optionally filters it

filter_list

Returns a list of all supported filters

filter_var_array

Gets multiple variables and optionally filters them

filter_var

Filters a variable with a specified filter

PHP Mail Functions

ezmlm_hash

Calculates the hash value needed by EZMLM

mail

Sends mail

PHP Filesystem Functions

basename

Returns trailing name component of path

chgrp

Changes file group

chmod

Changes file mode

chown

Changes file owner

clearstatcache

Clears file status cache

copy

Copies file

delete

Sees unlink or unset

dirname

Returns a parent directory's path

disk_free_space

Returns available space on filesystem or disk partition

disk_total_space

Returns the total size of a filesystem or disk partition

diskfreespace

Alias of disk_free_space

fclose

Closes an open file pointer

feof

Tests for end-of-file on a file pointer

fflush

Flushes the output to a file

fgetc

Gets character from file pointer

fgetcsv

Gets line from file pointer and parse for CSV fields

fgets

Gets line from file pointer

fgetss

Gets line from file pointer and strip HTML tags

file_exists

Checks whether a file or directory exists

file_get_contents

Reads entire file into a string

file_put_contents

Writes data to a file

file

Reads entire file into an array

fileatime

Gets last access time of file

filectime

Gets inode change time of file

filegroup

Gets file group

fileinode

Gets file inode

filemtime

Gets file modification time

fileowner

Gets file owner

fileperms

Gets file permissions

filesize

Gets file size

flock

Portable advisory file locking

fnmatch

Matches filename against a pattern

fopen

Opens file or URL

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| fpassthru | Outputs all remaining data on a file pointer | is_writeable | Alias of <code>is_writable</code> |
| fputcsv | Formats line as CSV and write to file pointer | lchgrp | Changes group ownership of symlink |
| fputs | Alias of <code>fwrite</code> | lchown | Changes user ownership of symlink |
| fread | Binary-safe file read | link | Creates a hard link |
| fscanf | Parses input from a file according to a format | linkinfo | Gets information about a link |
| fseek | Seeks on a file pointer | lstat | Gives information about a file or symbolic link |
| fstat | Gets information about a file using an open file pointer | mkdir | Makes a directory |
| ftell | Returns the current position of the file read/write pointer | move_uploaded_file | Moves an uploaded file to a new location |
| truncate | Truncates a file to a given length | parse_ini_file | Parses a configuration file |
| fwrite | Binary-safe file write | parse_ini_string | Parses a configuration string |
| glob | Finds pathnames matching a pattern | pathinfo | Returns information about a file path |
| is_dir | Tells if the filename is a directory | pclose | Closes process file pointer |
| is_executable | Tells if the filename is executable | popen | Opens process file pointer |
| is_file | Tells if the filename is a regular file | readfile | Outputs a file |
| is_link | Tells if the filename is a symbolic link | readlink | Returns the target of a symbolic link |
| is_readable | Tells if a file exists and is readable | realpath_cache_get | Gets realpath cache entries |
| is_uploaded_file | Tells if the file was uploaded via HTTP POST | realpath_cache_size | Gets realpath cache size |
| is_writable | Tells if the filename is writable | realpath | Returns canonicalized absolute pathname |

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|---|--|
| rename | ftp_connect |
| Renames a file or directory | Opens an FTP connection |
| rewind | ftp_delete |
| Rewinds the position of a file pointer | Deletes a file on the FTP server |
| rmdir | ftp_exec |
| Removes the directory | Requests execution of a command on the FTP server |
| set_file_buffer | ftp_fget |
| Alias of stream_set_write_buffer | Downloads a file from the FTP server and saves to an open file |
| stat | ftp_fput |
| Gives information about a file | Uploads from an open file to the FTP server |
| symlink | ftp_get_option |
| Creates a symbolic link | Retrieves various runtime behaviours of the current FTP stream |
| tmpnam | ftp_get |
| Creates a file with unique file name | Downloads a file from the FTP server |
| tmpfile | ftp_login |
| Creates a temporary file | Logs in to an FTP connection |
| touch | ftp_mdtm |
| Sets access and modification time of file | Returns the last modified time of the given file |
| umask | ftp_mkdir |
| Changes the current umask | Creates a directory |
| unlink | ftp_mlsd |
| Deletes a file | Returns a list of files in the given directory |

PHP FTP Functions

| | |
|--|---|
| ftp_alloc | ftp_nb_continue |
| Allocates space for a file to be uploaded | Continues retrieving/sending a file (non-blocking) |
| ftp_append | ftp_nb_fget |
| Appends the contents of a file to another file on the FTP server | Retrieves a file from the FTP server and writes it to an open file (non-blocking) |
| ftp_cdup | ftp_nb_fput |
| Changes to the parent directory | Stores a file from an open file to the FTP server (non-blocking) |
| ftp_chdir | ftp_nb_get |
| Changes the current directory on a FTP server | Retrieves a file from the FTP server and writes it to a local file (non-blocking) |
| ftp chmod | ftp_nb_put |
| Sets permissions on a file via FTP | Stores a file on the FTP server (non-blocking) |
| ftp_close | ftp_nlist |
| Closes an FTP connection | Returns a list of files in the given directory |

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|------------------------------|---|---------------------------------------|---|
| <code>ftp_pasv</code> | Returns passive mode on or off | <code>dns_get_mx</code> | Alias of getmxrr |
| <code>ftp_put</code> | Uploads a file to the FTP server | <code>dns_get_record</code> | Fetches DNS Resource Records associated with a hostname |
| <code>ftp_pwd</code> | Returns the current directory name | <code>fsockopen</code> | Opens Internet or Unix domain socket connection |
| <code>ftp_quit</code> | Alias of <code>ftp_close</code> | <code>gethostbyaddr</code> | Gets the Internet host name corresponding to a given IP address |
| <code>ftp_raw</code> | Sends an arbitrary command to an FTP server | <code>gethostbyname</code> | Gets the IPv4 address corresponding to a given Internet host name |
| <code>ftp_rawlist</code> | Returns a detailed list of files in the given directory | <code>gethostbynamel</code> | Gets a list of IPv4 addresses corresponding to a given Internet host name |
| <code>ftp_rename</code> | Renames a file or a directory on the FTP server | <code>gethostname</code> | Gets the host name |
| <code>ftp_rmdir</code> | Removes a directory | <code>getmxrr</code> | Gets MX records corresponding to a given Internet host name |
| <code>ftp_set_option</code> | Set miscellaneous runtime FTP options | <code>getprotobyname</code> | Gets protocol number associated with protocol name |
| <code>ftp_site</code> | Sends a SITE command to the server | <code>getprotobyname</code> | Gets protocol name associated with protocol number |
| <code>ftp_size</code> | Returns the size of the given file | <code>getservbyname</code> | Gets port number associated with an Internet service and protocol |
| <code>ftp_ssl_connect</code> | Opens a Secure SSL-FTP connection | <code>getservbyport</code> | Get Internet service which corresponds to port and protocol |
| <code>ftp_systype</code> | Returns the system type identifier of the remote FTP server | <code>header_register_callback</code> | Calls a header function |

PHP Network Functions

| | | | |
|--------------------------------------|--|----------------------------|--|
| <code>checkdnsrr</code> | Checks DNS records corresponding to a given Internet host name or IP address | <code>header_remove</code> | Removes previously set headers |
| <code>closelog</code> | Closes connection to system logger | <code>header</code> | Sends a raw HTTP header |
| <code>define_syslog_variables</code> | Initializes all syslog related variables | <code>headers_list</code> | Returns a list of response headers sent (or ready to send) |
| <code>dns_check_record</code> | Alias of <code>checkdnsrr</code> | | |

headers_sent
Checks if or where headers have been sent

http_response_code
Get or Set the HTTP response code

inet_ntop
Converts a packed internet address to a human readable representation

inet_pton
Converts a human readable IP address to its packed in_addr representation

ip2long
Converts a string containing an (IPv4) Internet Protocol dotted address into a long integer

long2ip
Converts an long integer address into a string in (IPv4) Internet standard dotted format

openlog
Opens connection to system logger

pfsocopen
Opens persistent Internet or Unix domain socket connection

setcookie
Sends a cookie

setrawcookie
Sends a cookie without urlencoding the cookie value

socket_get_status
Alias of stream_get_meta_data

socket_set_blocking
Alias of stream_set_blocking

socket_set_timeout
Alias of stream_set_timeout

syslog
Generates a system log message

PHP SimpleXML Functions

simplexml_import_dom
Gets a SimpleXMLElement object from a DOM node

simplexml_load_file
Interprets an XML file into an object

simplexml_load_string
Interprets a string of XML into an object

PHP Zip Functions

zip_close
Closes a ZIP file archive

zip_entry_close
Closes a directory entry

zip_entry_compressedsize
Retrieves the compressed size of a directory entry

zip_entry_compressionmethod
Retrieves the compression method of a directory entry

zip_entry_filesize
Retrieves the actual file size of a directory entry

zip_entry_name
Retrieves the name of a directory entry

zip_entry_open
Opens a directory entry for reading

zip_entry_read
Reads from an open directory entry

zip_open
Opens a ZIP file archive

zip_read
Reads the next entry in a ZIP file archive

PHP MySQL Functions

mysqli::\$affected_rows
Gets the number of affected rows in a previous MySQL operation

mysqli::autocommit
Turns on or off auto-committing database modifications

mysqli::begin_transaction
Starts a transaction

mysqli::change_user
Changes the user of the specified database connection

mysqli::character_set_name
Returns the default character set for the database connection

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|---|---|---|---|
| <code>mysqli::close</code> | Closes a previously opened database connection | <code>mysqli::\$server_version</code> | Returns the version of the MySQL server as an integer |
| <code>mysqli::commit</code> | Commits the current transaction | <code>mysqli::get_warnings</code> | Gets the result of SHOW WARNINGS |
| <code>mysqli::\$connect_errno</code> | Returns the error code from last connect call | <code>mysqli::\$info</code> | Retrieves information about the most recently executed query |
| <code>mysqli::\$connect_error</code> | Returns a string description of the last connect error | <code>mysqli::init</code> | Initializes MySQLi and returns a resource for use with <code>mysqli_real_connect()</code> |
| <code>mysqli::__construct</code> | Opens a new connection to the MySQL server | <code>mysqli::\$insert_id</code> | Returns the auto generated id used in the latest query |
| <code>mysqli::debug</code> | Performs debugging operations | <code>mysqli::kill</code> | Asks the server to kill a MySQL thread |
| <code>mysqli::dump_debug_info</code> | Dumps debugging information into the log | <code>mysqli::more_results</code> | Checks if there are any more query results from a multi query |
| <code>mysqli::\$errno</code> | Returns the error code for the most recent function call | <code>mysqli::multi_query</code> | Performs a query on the database |
| <code>mysqli::\$error_list</code> | Returns a list of errors from the last command executed | <code>mysqli::next_result</code> | Prepares the next result from <code>multi_query</code> |
| <code>mysqli::\$error</code> | Returns a string description of the last error | <code>mysqli::options</code> | Sets options |
| <code>mysqli::\$field_count</code> | Returns the number of columns for the most recent query | <code>mysqli::ping</code> | Pings a server connection, or tries to reconnect if the connection has gone down |
| <code>mysqli::get_charset</code> | Returns a character set object | <code>mysqli::poll</code> | Poll connections |
| <code>mysqli::\$client_info</code> | Gets MySQL client info | <code>mysqli::prepare</code> | Prepares an SQL statement for execution |
| <code>mysqli::\$client_version</code> | Returns the MySQL client version as an integer | <code>mysqli::query</code> | Performs a query on the database |
| <code>mysqli::get_connection_stats</code> | Returns statistics about the client connection | <code>mysqli::real_connect</code> | Opens a connection to a mysql server |
| <code>mysqli::\$host_info</code> | Returns a string representing the type of connection used | <code>mysqli::real_escape_string</code> | Escapes special characters in a string for use in an SQL statement, taking into account the current charset of the connection |
| <code>mysqli::\$protocol_version</code> | Returns the version of the MySQL protocol used | | |
| <code>mysqli::\$server_info</code> | Returns the version of the MySQL server | | |

| | | | |
|---|---|--|--|
| <code>mysqli::real_query</code> | Executes an SQL query | <code>mysqli::\$thread_id</code> | Returns the thread ID for the current connection |
| <code>mysqli::reap_async_query</code> | Gets the result from async query | <code>mysqli::thread_safe</code> | Returns whether thread safety is given or not |
| <code>mysqli::refresh</code> | Refreshes tables or caches or resets the replication server information | <code>mysqli::use_result</code> | Initiates a result set retrieval |
| <code>mysqli::release_savepoint</code> | Removes the named savepoint from the set of savepoints of the current transaction | <code>mysqli::\$warning_count</code> | Returns the number of warnings from the last query for the given link |
| <code>mysqli::rollback</code> | Rolls back current transaction | | |
| <code>mysqli::rpl_query_type</code> | Returns RPL query type | | |
| <code>mysqli::savepoint</code> | Sets a named transaction savepoint | | |
| <code>mysqli::select_db</code> | Selects the default database for database queries | | |
| <code>mysqli::send_query</code> | Sends the query and return | | |
| <code>mysqli::set_charset</code> | Sets the default client character set | | |
| <code>mysqli::set_local_infile_default</code> | Unsets user defined handler for load local infile command | <code>libxml_clear_errors</code> | Clears libxml error buffer |
| <code>mysqli::set_local_infile_handler</code> | Sets callback function for LOAD DATA LOCAL INFILE command | <code>libxml_disable_entity_loader</code> | Disables the ability to load external entities |
| <code>mysqli::\$sqlstate</code> | Returns the SQLSTATE error from previous MySQL operation | <code>libxml_get_errors</code> | Retrieves array of errors |
| <code>mysqli::ssl_set</code> | Used for establishing secure connections using SSL | <code>libxml_get_last_error</code> | Retrieves last error from libxml |
| <code>mysqli::stat</code> | Gets the current system status | <code>libxml_set_external_entity_loader</code> | Changes the default external entity loader |
| <code>mysqli::stmt_init</code> | Initializes a statement and returns an object for use with <code>mysqli_stmt_prepare</code> | <code>libxml_set_streams_context</code> | Sets the streams context for the next libxml document load or write |
| <code>mysqli::store_result</code> | Transfers a result set from the last query | <code>libxml_use_internal_errors</code> | Disables libxml errors and allow user to fetch error information as needed |

PHP Libxml Functions

| | |
|--|--|
| <code>libxml_clear_errors</code> | Clears libxml error buffer |
| <code>libxml_disable_entity_loader</code> | Disables the ability to load external entities |
| <code>libxml_get_errors</code> | Retrieves array of errors |
| <code>libxml_get_last_error</code> | Retrieves last error from libxml |
| <code>libxml_set_external_entity_loader</code> | Changes the default external entity loader |
| <code>libxml_set_streams_context</code> | Sets the streams context for the next libxml document load or write |
| <code>libxml_use_internal_errors</code> | Disables libxml errors and allow user to fetch error information as needed |

PHP XML Parser Functions

| | |
|--|---|
| <code>utf8_decode</code> | Converts a string with ISO-8859-1 characters encoded with UTF-8 to single-byte ISO-8859-1 |
| <code>utf8_encode</code> | Encodes an ISO-8859-1 string to UTF-8 |
| <code>xml_error_string</code> | Gets XML parser error string |
| <code>xml_get_current_byte_index</code> | Gets current byte index for an XML parser |
| <code>xml_get_current_column_number</code> | Gets current column number for an XML parser |

| | | | |
|---|--|---|--|
| <code>xml_get_current_line_number</code> | Gets current line number for an XML parser | <code>xml_set_unparsed_entity_decl_handler</code> | Sets up unparsed entity declaration handler |
| <code>xml_get_error_code</code> | Gets XML parser error code | <code>connection_aborted</code> | Checks whether client disconnected |
| <code>xml_parse_into_struct</code> | Parses XML data into an array structure | <code>connection_status</code> | Returns connection status bitfield |
| <code>xml_parse</code> | Starts parsing an XML document | <code>constant</code> | Returns the value of a constant |
| <code>xml_parser_create_ns</code> | Creates an XML parser with namespace support | <code>define</code> | Defines a named constant |
| <code>xml_parser_create</code> | Creates an XML parser | <code>defined</code> | Checks if a given named constant exists |
| <code>xml_parser_free</code> | Frees an XML parser | <code>die</code> | Equivalent to exit |
| <code>xml_parser_get_option</code> | Gets options from an XML parser | <code>eval</code> | Evaluates a string as PHP code |
| <code>xml_parser_set_option</code> | Sets options in an XML parser | <code>exit</code> | Outputs a message and terminate the current script |
| <code>xml_set_character_data_handler</code> | Sets up character data handler | <code>get_browser</code> | Tells what the user's browser is capable of |
| <code>xml_set_default_handler</code> | Sets up default handler | <code>_halt_compiler</code> | Halts the compiler execution |
| <code>xml_set_element_handler</code> | Sets up start and end element handlers | <code>highlight_file</code> | Syntax highlighting of a file |
| <code>xml_set_end_namespace_decl_handler</code> | Sets up end namespace declaration handler | <code>highlight_string</code> | Syntax highlighting of a string |
| <code>xml_set_external_entity_ref_handler</code> | Sets up external entity reference handler | <code>hrtme</code> | Gets the system's high resolution time |
| <code>xml_set_notation_decl_handler</code> | Sets up notation declaration handler | <code>ignore_user_abort</code> | Sets whether a client disconnect should abort script execution |
| <code>xml_set_object</code> | Uses XML Parser within an object | <code>pack</code> | Packs data into binary string |
| <code>xml_set_processing_instruction_handler</code> | Sets up processing instruction (PI) handler | <code>php_check_syntax</code> | Checks the PHP syntax of (and execute) the specified file |
| <code>xml_set_start_namespace_decl_handler</code> | Sets up start namespace declaration handler | | |

PHP Miscellaneous Functions

| | |
|---------------------------------|--|
| <code>connection_aborted</code> | Checks whether client disconnected |
| <code>connection_status</code> | Returns connection status bitfield |
| <code>constant</code> | Returns the value of a constant |
| <code>define</code> | Defines a named constant |
| <code>defined</code> | Checks if a given named constant exists |
| <code>die</code> | Equivalent to exit |
| <code>eval</code> | Evaluates a string as PHP code |
| <code>exit</code> | Outputs a message and terminate the current script |
| <code>get_browser</code> | Tells what the user's browser is capable of |
| <code>_halt_compiler</code> | Halts the compiler execution |
| <code>highlight_file</code> | Syntax highlighting of a file |
| <code>highlight_string</code> | Syntax highlighting of a string |
| <code>hrtme</code> | Gets the system's high resolution time |
| <code>ignore_user_abort</code> | Sets whether a client disconnect should abort script execution |
| <code>pack</code> | Packs data into binary string |
| <code>php_check_syntax</code> | Checks the PHP syntax of (and execute) the specified file |

php_strip_whitespace

Returns source with stripped comments and whitespace

sapi_windows_cp_conv

Converts string from one codepage to another

sapi_windows_cp_get

Gets process codepage

sapi_windows_cp_is_utf8

Indicates if the codepage is UTF-8 compatible

sapi_windows_cp_set

Sets process codepage

sapi_windows_vt100_support

Gets or set VT100 support for the specified stream
associated to an output buffer of a Windows console

show_source

Alias of highlight_file

Sleep

Delays execution

sys_getloadavg

Gets system load average

time_nanosleep

Delays for a number of seconds and nanoseconds

time_sleep_until

Makes the script sleep until the specified time

uniqid

Generates a unique ID

unpack

Unpacks data from binary string

Usleep

Delays execution in microseconds