

The Window Object

[< Previous](#)[Next >](#)

Window Object

The window object represents an open window in a browser.

If a document contain frames (<iframe> tags), the browser creates one window object for the HTML document, and one additional window object for each frame.

Window Object Properties

Property	Description
<u>closed</u>	Returns a boolean true if a window is closed.
<u>console</u>	Returns the Console Object for the window. See also The Console Object .
<u>defaultStatus</u>	Deprecated.
<u>document</u>	Returns the Document object for the window. See also The Document Object .
<u>frameElement</u>	Returns the frame in which the window runs.
<u>frames</u>	Returns all window objects running in the window.
<u>history</u>	Returns the History object for the window. See also The History Object .

including scrollbars

<u>length</u>	Returns the number of <iframe> elements in the current window
<u>localStorage</u>	Allows to save key/value pairs in a web browser. Stores the data with no expiration date
<u>location</u>	Returns the Location object for the window. See also the The Location Object .
<u>name</u>	Sets or returns the name of a window
<u>navigator</u>	Returns the Navigator object for the window. See also The Navigator object .
<u>opener</u>	Returns a reference to the window that created the window
<u>outerHeight</u>	Returns the height of the browser window, including toolbars/scrollbars
<u>outerWidth</u>	Returns the width of the browser window, including toolbars/scrollbars
<u>pageXOffset</u>	Returns the pixels the current document has been scrolled (horizontally) from the upper left corner of the window
<u>pageYOffset</u>	Returns the pixels the current document has been scrolled (vertically) from the upper left corner of the window
<u>parent</u>	Returns the parent window of the current window
<u>screen</u>	Returns the Screen object for the window See also The Screen object
<u>screenLeft</u>	Returns the horizontal coordinate of the window relative to the screen
<u>screenTop</u>	Returns the vertical coordinate of the window relative to the screen
<u>screenX</u>	Returns the horizontal coordinate of the window relative to the screen
<u>screenY</u>	Returns the vertical coordinate of the window relative to the screen

<u>scrollY</u>	An alias of <u>pageYOffset</u>
<u>self</u>	Returns the current window
<u>status</u>	Deprecated. Avoid using it.
<u>top</u>	Returns the topmost browser window

Window Object Methods

Method	Description
<u>addEventListener()</u>	Attaches an event handler to the window
<u>alert()</u>	Displays an alert box with a message and an OK button
<u>atob()</u>	Decodes a base-64 encoded string
<u>blur()</u>	Removes focus from the current window
<u>btoa()</u>	Encodes a string in base-64
<u>clearInterval()</u>	Clears a timer set with setInterval()
<u>clearTimeout()</u>	Clears a timer set with setTimeout()

<u>focus()</u>	Sets focus to the current window
<u>getComputedStyle()</u>	Gets the current computed CSS styles applied to an element
<u>getSelection()</u>	Returns a Selection object representing the range of text selected by the user
<u>matchMedia()</u>	Returns a MediaQueryList object representing the specified CSS media query string
<u>moveBy()</u>	Moves a window relative to its current position
<u>moveTo()</u>	Moves a window to the specified position
<u>open()</u>	Opens a new browser window
<u>print()</u>	Prints the content of the current window
<u>prompt()</u>	Displays a dialog box that prompts the visitor for input
<u>removeEventListener()</u>	Removes an event handler from the window
<u>requestAnimationFrame()</u>	Requests the browser to call a function to update an animation before the next repaint
<u>resizeBy()</u>	Resizes the window by the specified pixels
<u>resizeTo()</u>	Resizes the window to the specified width and height
<u>scroll()</u>	Deprecated. Use <u>scrollTo()</u> instead.
<u>scrollBy()</u>	Scrolls the document by the specified number of pixels
<u>scrollTo()</u>	Scrolls the document to the specified coordinates
<u>setInterval()</u>	Calls a function or evaluates an expression at specified intervals (in milliseconds)
<u>setTimeout()</u>	Calls a function or evaluates an expression after a specified number of milliseconds
<u>stop()</u>	Stops the window from loading

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)[C](#)

Track your progress - it's free!

[Sign Up](#)[Log in](#)

COLOR PICKER



[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#) [JAVASCRIPT](#) [SQL](#) [PYTHON](#) [JAVA](#) [PHP](#) [HOW TO](#) [W3.CSS](#) [C](#)[GET CERTIFIED](#)[FOR TEACHERS](#)[FOR BUSINESS](#)[CONTACT US](#)

Top Tutorials

[HTML Tutorial](#)
[CSS Tutorial](#)
[JavaScript Tutorial](#)
[How To Tutorial](#)
[SQL Tutorial](#)
[Python Tutorial](#)
[W3.CSS Tutorial](#)
[Bootstrap Tutorial](#)
[PHP Tutorial](#)
[Java Tutorial](#)
[C++ Tutorial](#)
[jQuery Tutorial](#)

Top References

[HTML Reference](#)
[CSS Reference](#)
[JavaScript Reference](#)
[SQL Reference](#)
[Python Reference](#)
[W3.CSS Reference](#)
[Bootstrap Reference](#)
[PHP Reference](#)
[HTML Colors](#)
[Java Reference](#)
[Angular Reference](#)
[jQuery Reference](#)

Top Examples

[HTML Examples](#)
[CSS Examples](#)
[JavaScript Examples](#)
[How To Examples](#)
[SQL Examples](#)
[Python Examples](#)
[W3.CSS Examples](#)
[Bootstrap Examples](#)
[PHP Examples](#)
[Java Examples](#)
[XML Examples](#)
[jQuery Examples](#)

Get Certified

[HTML Certificate](#)
[CSS Certificate](#)
[JavaScript Certificate](#)
[Front End Certificate](#)
[SQL Certificate](#)
[Python Certificate](#)
[PHP Certificate](#)
[jQuery Certificate](#)
[Java Certificate](#)
[C++ Certificate](#)
[C# Certificate](#)
[XML Certificate](#)

[Tutorials ▼](#)[Exercises ▼](#)[Services ▼](#)[Sign Up](#)[Log in](#)[CSS](#)[JAVASCRIPT](#)[SQL](#)[PYTHON](#)[JAVA](#)[PHP](#)[HOW TO](#)[W3.CSS](#)[C](#)[FORUM](#) [ABOUT](#) [ACADEMY](#)

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning.

Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness

of all content. While using W3Schools, you agree to have read and accepted our [terms of use](#), [cookie and privacy policy](#).

[Copyright 1999-2025](#) by Refsnes Data. All Rights Reserved. [W3Schools is Powered by W3.CSS](#).