## jQuery Selectors

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| --- | --- | --- |
| **Selector** | **Example** | **Selects** |
| [**\***](http://www.w3schools.com/jquery/sel_all.asp) | $("\*") | All elements |
| [**#id**](http://www.w3schools.com/jquery/sel_id.asp) | $("#lastname") | The element with id=lastname |
| [**.class**](http://www.w3schools.com/jquery/sel_class.asp) | $(".intro") | All elements with class="intro" |
| [**element**](http://www.w3schools.com/jquery/sel_element.asp) | $("p") | All p elements |
| **.class.class** | $(".intro.demo") | All elements with the classes "intro" and "demo" |
|  |  |  |
| [**:first**](http://www.w3schools.com/jquery/sel_first.asp) | $("p:first") | The first p element |
| [**:last**](http://www.w3schools.com/jquery/sel_last.asp) | $("p:last") | The last p element |
| [**:even**](http://www.w3schools.com/jquery/sel_even.asp) | $("tr:even") | All even tr elements |
| [**:odd**](http://www.w3schools.com/jquery/sel_odd.asp) | $("tr:odd") | All odd tr elements |
|  |  |  |
| [**:eq(index)**](http://www.w3schools.com/jquery/sel_eq.asp) | $("ul li:eq(3)") | The fourth element in a list (index starts at 0) |
| [**:gt(no)**](http://www.w3schools.com/jquery/sel_gt.asp) | $("ul li:gt(3)") | List elements with an index greater than 3 |
| [**:lt(no)**](http://www.w3schools.com/jquery/sel_lt.asp) | $("ul li:lt(3)") | List elements with an index less than 3 |
| [**:not(selector)**](http://www.w3schools.com/jquery/sel_not.asp) | $("input:not(:empty)") | All input elements that are not empty |
|  |  |  |
| [**:header**](http://www.w3schools.com/jquery/sel_header.asp) | $(":header") | All header elements h1, h2 ... |
| [**:animated**](http://www.w3schools.com/jquery/sel_animated.asp) | $(":animated") | All animated elements |
|  |  |  |
| [**:contains(text)**](http://www.w3schools.com/jquery/sel_contains.asp) | $(":contains('W3Schools')") | All elements which contains the text |
| [**:empty**](http://www.w3schools.com/jquery/sel_empty.asp) | $(":empty") | All elements with no child (elements) nodes |
| **:hidden** | $("p:hidden") | All hidden p elements |
| [**:visible**](http://www.w3schools.com/jquery/sel_visible.asp) | $("table:visible") | All visible tables |
|  |  |  |
| **s1,s2,s3** | $("th,td,.intro") | All elements with matching selectors |
|  |  |  |
| [**[attribute]**](http://www.w3schools.com/jquery/sel_attribute.asp) | $("[href]") | All elements with a href attribute |
| [**[attribute=value]**](http://www.w3schools.com/jquery/sel_attribute_equal_value.asp) | $("[href='default.htm']") | All elements with a href attribute value equal to "default.htm" |
| [**[attribute!=value]**](http://www.w3schools.com/jquery/sel_attribute_notequal_value.asp) | $("[href!='default.htm']") | All elements with a href attribute value not equal to "default.htm" |
| [**[attribute$=value]**](http://www.w3schools.com/jquery/sel_attribute_end_value.asp) | $("[href$='.jpg']") | All elements with a href attribute value ending with ".jpg" |
| **[attribute^=value]** | $("[href^='jquery\_']") | All elements with a href attribute value starting with "jquery\_" |
|  |  |  |
| [**:input**](http://www.w3schools.com/jquery/sel_input.asp) | $(":input") | All input elements |
| [**:text**](http://www.w3schools.com/jquery/sel_input_text.asp) | $(":text") | All input elements with type="text" |
| [**:password**](http://www.w3schools.com/jquery/sel_input_password.asp) | $(":password") | All input elements with type="password" |
| [**:radio**](http://www.w3schools.com/jquery/sel_input_radio.asp) | $(":radio") | All input elements with type="radio" |
| [**:checkbox**](http://www.w3schools.com/jquery/sel_input_checkbox.asp) | $(":checkbox") | All input elements with type="checkbox" |
| [**:submit**](http://www.w3schools.com/jquery/sel_input_submit.asp) | $(":submit") | All input elements with type="submit" |
| [**:reset**](http://www.w3schools.com/jquery/sel_input_reset.asp) | $(":reset") | All input elements with type="reset" |
| [**:button**](http://www.w3schools.com/jquery/sel_input_button.asp) | $(":button") | All input elements with type="button" |
| [**:image**](http://www.w3schools.com/jquery/sel_input_image.asp) | $(":image") | All input elements with type="image" |
| [**:file**](http://www.w3schools.com/jquery/sel_input_file.asp) | $(":file") | All input elements with type="file" |
|  |  |  |
| [**:enabled**](http://www.w3schools.com/jquery/sel_input_enabled.asp) | $(":enabled") | All enabled input elements |
| [**:disabled**](http://www.w3schools.com/jquery/sel_input_disabled.asp) | $(":disabled") | All disabled input elements |
| [**:selected**](http://www.w3schools.com/jquery/sel_input_selected.asp) | $(":selected") | All selected input elements |
| [**:checked**](http://www.w3schools.com/jquery/sel_input_checked.asp) | $(":checked") | All checked input elements |

## jQuery Event Methods

Event methods trigger, or bind a function to an event for all matching elements.

Trigger example:

$("button").click() - triggers the click event for a button element.

Binding example:

$("button").click(function(){$("img").hide()}) - binds a function to the click event.

The following table lists all the methods used to handle events.

|  |  |
| --- | --- |
| Method | Description |
| [bind()](http://www.w3schools.com/jquery/event_bind.asp) | Add one or more event handlers to matching elements |
| [blur()](http://www.w3schools.com/jquery/event_blur.asp) | Triggers, or binds a function to the blur event of selected elements |
| [change()](http://www.w3schools.com/jquery/event_change.asp) | Triggers, or binds a function to the change event of selected elements |
| [click()](http://www.w3schools.com/jquery/event_click.asp) | Triggers, or binds a function to the click event of selected elements |
| [dblclick()](http://www.w3schools.com/jquery/event_dblclick.asp) | Triggers, or binds a function to the dblclick event of selected elements |
| [delegate()](http://www.w3schools.com/jquery/event_delegate.asp) | Add one or more event handlers to current, or future, specified child elements of the matching elements |
| [die()](http://www.w3schools.com/jquery/event_die.asp) | Remove all event handlers added with the live() function |
| [error()](http://www.w3schools.com/jquery/event_error.asp) | Triggers, or binds a function to the error event of selected elements |
| event.currentTarget | The current DOM element within the event bubbling phase |
| event.data | Contains the optional data passed to jQuery.fn.bind when the current executing handler was bound |
| [event.isDefaultPrevented()](http://www.w3schools.com/jquery/event_isdefaultprevented.asp) | Returns whether event.preventDefault() was called for the event object |
| event.isImmediatePropagationStopped() | Returns whether event.stopImmediatePropagation() was called for the event object |
| event.isPropagationStopped() | Returns whether event.stopPropagation() was called for the event object |
| [event.pageX](http://www.w3schools.com/jquery/event_pagex.asp) | The mouse position relative to the left edge of the document |
| [event.pageY](http://www.w3schools.com/jquery/event_pagey.asp) | The mouse position relative to the top edge of the document |
| [event.preventDefault()](http://www.w3schools.com/jquery/event_preventdefault.asp) | Prevents the default action of the event |
| event.relatedTarget | The other DOM element involved in the event, if any |
| [event.result](http://www.w3schools.com/jquery/event_result.asp) | This attribute contains the last value returned by an event handler that was triggered by this event, unless the value was undefined |
| event.stopImmediatePropagation() | Prevents other event handlers from being called |
| event.stopPropagation() | Prevents the event from bubbling up the DOM tree, preventing any parent handlers from being notified of the event |
| [event.target](http://www.w3schools.com/jquery/event_target.asp) | The DOM element that initiated the event |
| [event.timeStamp](http://www.w3schools.com/jquery/event_timestamp.asp) | This attribute returns the number of milliseconds since January 1, 1970, when the event is triggered |
| [event.type](http://www.w3schools.com/jquery/event_type.asp) | Describes the nature of the event |
| [event.which](http://www.w3schools.com/jquery/event_which.asp) | Which key or button was pressed for a key or button event |
| [focus()](http://www.w3schools.com/jquery/event_focus.asp) | Triggers, or binds a function to the focus event of selected elements |
| [focusin()](http://www.w3schools.com/jquery/event_focusin.asp) | Binds a function to the focusin event of selected elements |
| [focusout()](http://www.w3schools.com/jquery/event_focusout.asp) | Binds a function to the focusout event of selected elements |
| [hover()](http://www.w3schools.com/jquery/event_hover.asp) | Binds one or two functions to the hover event of selected elements |
| [keydown()](http://www.w3schools.com/jquery/event_keydown.asp) | Triggers, or binds a function to the keydown event of selected elements |
| [keypress()](http://www.w3schools.com/jquery/event_keypress.asp) | Triggers, or binds a function to the keypress event of selected elements |
| [keyup()](http://www.w3schools.com/jquery/event_keyup.asp) | Triggers, or binds a function to the keyup event of selected elements |
| [live()](http://www.w3schools.com/jquery/event_live.asp) | Add one or more event handlers to current, or future, matching elements |
| [load()](http://www.w3schools.com/jquery/event_load.asp) | Triggers, or binds a function to the load event of selected elements |
| [mousedown()](http://www.w3schools.com/jquery/event_mousedown.asp) | Triggers, or binds a function to the mouse down event of selected elements |
| [mouseenter()](http://www.w3schools.com/jquery/event_mouseenter.asp) | Triggers, or binds a function to the mouse enter event of selected elements |
| [mouseleave()](http://www.w3schools.com/jquery/event_mouseleave.asp) | Triggers, or binds a function to the mouse leave event of selected elements |
| [mousemove()](http://www.w3schools.com/jquery/event_mousemove.asp) | Triggers, or binds a function to the mouse move event of selected elements |
| [mouseout()](http://www.w3schools.com/jquery/event_mouseout.asp) | Triggers, or binds a function to the mouse out event of selected elements |
| [mouseover()](http://www.w3schools.com/jquery/event_mouseover.asp) | Triggers, or binds a function to the mouse over event of selected elements |
| [mouseup()](http://www.w3schools.com/jquery/event_mouseup.asp) | Triggers, or binds a function to the mouse up event of selected elements |
| [one()](http://www.w3schools.com/jquery/event_one.asp) | Add one or more event handlers to matching elements. This handler can only be triggered once per element |
| [ready()](http://www.w3schools.com/jquery/event_ready.asp) | Binds a function to the ready event of a document (when an HTML document is ready to use) |
| [resize()](http://www.w3schools.com/jquery/event_resize.asp) | Triggers, or binds a function to the resize event of selected elements |
| [scroll()](http://www.w3schools.com/jquery/event_scroll.asp) | Triggers, or binds a function to the scroll event of selected elements |
| [select()](http://www.w3schools.com/jquery/event_select.asp) | Triggers, or binds a function to the select event of selected elements |
| [submit()](http://www.w3schools.com/jquery/event_submit.asp) | Triggers, or binds a function to the submit event of selected elements |
| [toggle()](http://www.w3schools.com/jquery/event_toggle.asp) | Binds two or more functions to the toggle between for the click event for selected elements |
| [trigger()](http://www.w3schools.com/jquery/event_trigger.asp) | Triggers all events bound to the selected elements |
| [triggerHandler()](http://www.w3schools.com/jquery/event_triggerhandler.asp) | Triggers all functions bound to a specified event for the selected elements |
| [unbind()](http://www.w3schools.com/jquery/event_unbind.asp) | Remove an added event handler from selected elements |
| [undelegate()](http://www.w3schools.com/jquery/event_undelegate.asp) | Remove an event handler to selected elements, now or in the future |
| [unload()](http://www.w3schools.com/jquery/event_unload.asp) | Triggers, or binds a function to the unload event of selected elements |

**jQuery Effect Methods**

The following table lists all the jQuery methods for creating animation effects.

|  |  |
| --- | --- |
| **Method** | **Description** |
| [animate()](http://www.w3schools.com/jquery/eff_animate.asp) | Runs a custom animation on the selected elements |
| [clearQueue()](http://www.w3schools.com/jquery/eff_clearqueue.asp) | Removes all remaining queued functions from the selected elements |
| [delay()](http://www.w3schools.com/jquery/eff_delay.asp) | Sets a delay for all queued functions on the selected elements |
| [dequeue()](http://www.w3schools.com/jquery/eff_dequeue.asp) | Removes the next function from the queue, and then executes the function |
| [fadeIn()](http://www.w3schools.com/jquery/eff_fadein.asp) | Fades in the selected elements |
| [fadeOut()](http://www.w3schools.com/jquery/eff_fadeout.asp) | Fades out the selected elements |
| [fadeTo()](http://www.w3schools.com/jquery/eff_fadeto.asp) | Fades in/out the selected elements to a given opacity |
| [fadeToggle()](http://www.w3schools.com/jquery/eff_fadetoggle.asp) | Toggles between the fadeIn() and fadeOut() methods |
| [hide()](http://www.w3schools.com/jquery/eff_hide.asp) | Hides the selected elements |
| [queue()](http://www.w3schools.com/jquery/eff_queue.asp) | Shows the queued functions on the selected elements |
| [show()](http://www.w3schools.com/jquery/eff_show.asp) | Shows the selected elements |
| [slideDown()](http://www.w3schools.com/jquery/eff_slidedown.asp) | Slides-down (shows) the selected elements |
| [slideToggle()](http://www.w3schools.com/jquery/eff_slidetoggle.asp) | Toggles between the slideUp() and slideDown() methods |
| [slideUp()](http://www.w3schools.com/jquery/eff_slideup.asp) | Slides-up (hides) the selected elements |
| [stop()](http://www.w3schools.com/jquery/eff_stop.asp) | Stops the currently running animation for the selected elements |
| [toggle()](http://www.w3schools.com/jquery/eff_toggle.asp) | Toggles between the hide() and show() methods |

**jQuery HTML / CSS Methods**

The following table lists all the methods used to manipulate the HTML and CSS.

The methods below work for both HTML and XML documents. Exception: the html() method.

|  |  |  |
| --- | --- | --- |
| **Method** | | **Description** |
| [addClass()](http://www.w3schools.com/jquery/html_addclass.asp) | | Adds one or more classes (for CSS) to selected elements |
| [after()](http://www.w3schools.com/jquery/html_after.asp) | | Inserts content after selected elements |
| [append()](http://www.w3schools.com/jquery/html_append.asp) | | Inserts content at the end of selected elements |
| [appendTo()](http://www.w3schools.com/jquery/html_appendto.asp) | | Inserts content at the end of selected elements |
| [attr()](http://www.w3schools.com/jquery/html_attr.asp) | | Sets or returns an attribute and value of selected elements |
| [before()](http://www.w3schools.com/jquery/html_before.asp) | | Inserts content before selected elements |
| [clone()](http://www.w3schools.com/jquery/html_clone.asp) | | Makes a copy of selected elements |
| [css()](http://www.w3schools.com/jquery/css_css.asp) | | Sets or returns one or more style properties for selected elements |
| [detach()](http://www.w3schools.com/jquery/html_detach.asp) | | Removes (but keeps a copy of) selected elements |
| [empty()](http://www.w3schools.com/jquery/html_empty.asp) | | Removes all child elements and content from selected elements |
| [hasClass()](http://www.w3schools.com/jquery/html_hasclass.asp) | | Checks if any of the selected elements have a specified class (for CSS) |
| [height()](http://www.w3schools.com/jquery/css_height.asp) | | Sets or returns the height of selected elements |
| [html()](http://www.w3schools.com/jquery/html_html.asp) | | Sets or returns the content of selected elements |
| [innerHeight()](http://www.w3schools.com/jquery/html_innerheight.asp) | | Returns the height of an element (includes padding, but not border) |
| [innerWidth()](http://www.w3schools.com/jquery/html_innerwidth.asp) | | Returns the width of an element (includes padding, but not border) |
| [insertAfter()](http://www.w3schools.com/jquery/html_insertafter.asp) | | Inserts HTML markup or elements after selected elements |
| [insertBefore()](http://www.w3schools.com/jquery/html_insertbefore.asp) | | Inserts HTML markup or elements before selected elements |
| [offset()](http://www.w3schools.com/jquery/css_offset.asp) | | Sets or returns the position (relative to the document) for selected elements |
| [offsetParent()](http://www.w3schools.com/jquery/css_offsetparent.asp) | | Returns the first parent element that is positioned |
| [outerHeight()](http://www.w3schools.com/jquery/html_outerheight.asp) | | Returns the height of an element (includes padding and border) |
| [outerWidth()](http://www.w3schools.com/jquery/html_outerwidth.asp) | | Returns the width of an element (includes padding and border) |
| [position()](http://www.w3schools.com/jquery/css_position.asp) | | Returns the position (relative to the parent element) of the first selected element |
| [prepend()](http://www.w3schools.com/jquery/html_prepend.asp) | | Inserts content at the beginning of selected elements |
| [prependTo()](http://www.w3schools.com/jquery/html_prependto.asp) | | Inserts content at the beginning of selected elements |
| prop() | | Sets or returns the value property of selected elements |
| [remove()](http://www.w3schools.com/jquery/html_remove.asp) | | Removes selected elements |
| [removeAttr()](http://www.w3schools.com/jquery/html_removeattr.asp) | | Removes an attribute from selected elements |
| [removeClass()](http://www.w3schools.com/jquery/html_removeclass.asp) | | Removes one or more classes (for CSS) from selected elements |
| removeProp() | | Removes a property for selected elements |
| [replaceAll()](http://www.w3schools.com/jquery/html_replaceall.asp) | | Replaces selected elements with new content |
| [replaceWith()](http://www.w3schools.com/jquery/html_replacewith.asp) | | Replaces selected elements with new content |
| [scrollLeft()](http://www.w3schools.com/jquery/css_scrollleft.asp) | | Sets or returns the horizontal position of the scrollbar for the selected elements |
| [scrollTop()](http://www.w3schools.com/jquery/css_scrolltop.asp) | | Sets or returns the vertical position of the scrollbar for the selected elements |
| [text()](http://www.w3schools.com/jquery/html_text.asp) | | Sets or returns the text content of selected elements |
| [toggleClass()](http://www.w3schools.com/jquery/html_toggleclass.asp) | | Toggles between adding/removing one or more classes (for CSS) from selected elements |
| [unwrap()](http://www.w3schools.com/jquery/html_unwrap.asp) | | Removes the parent element of the selected elements |
| [val()](http://www.w3schools.com/jquery/html_val.asp) | | Sets or returns the value attribute of the selected elements (form elements) |
| [width()](http://www.w3schools.com/jquery/css_width.asp) | | Sets or returns the width of selected elements |
| [wrap()](http://www.w3schools.com/jquery/html_wrap.asp) | | Wraps specified HTML element(s) around each selected element |
| [wrapAll()](http://www.w3schools.com/jquery/html_wrapall.asp) | | Wraps specified HTML element(s) around all selected elements |
| [wrapInner()](http://www.w3schools.com/jquery/html_wrapinner.asp) | | Wraps specified HTML element(s) around the content of each selected element |
|  | |  |

**jQuery AJAX Methods**

AJAX is the art of exchanging data with a server, and update parts of a web page - without reloading the whole page.

The following table lists all the jQuery AJAX methods:

|  |  |
| --- | --- |
| **Method** | **Description** |
| [$.ajax()](http://www.w3schools.com/jquery/ajax_ajax.asp) | Performs an AJAX request |
| [ajaxComplete()](http://www.w3schools.com/jquery/ajax_ajaxcomplete.asp) | Specifies a function to run when the AJAX request completes |
| [ajaxError()](http://www.w3schools.com/jquery/ajax_ajaxerror.asp) | Specifies a function to run when the AJAX request completes with an error |
| [ajaxSend()](http://www.w3schools.com/jquery/ajax_ajaxsend.asp) | Specifies a function to run before the AJAX request is sent |
| [$.ajaxSetup()](http://www.w3schools.com/jquery/ajax_ajaxsetup.asp) | Sets the default values for future AJAX requests |
| [ajaxStart()](http://www.w3schools.com/jquery/ajax_ajaxstart.asp) | Specifies a function to run when the first AJAX request begins |
| [ajaxStop()](http://www.w3schools.com/jquery/ajax_ajaxstop.asp) | Specifies a function to run when all AJAX requests have completed |
| [ajaxSuccess()](http://www.w3schools.com/jquery/ajax_ajaxsuccess.asp) | Specifies a function to run an AJAX request completes successfully |
| [$.get()](http://www.w3schools.com/jquery/ajax_get.asp) | Loads data from a server using an AJAX HTTP GET request |
| [$.getJSON()](http://www.w3schools.com/jquery/ajax_getjson.asp) | Loads JSON-encoded data from a server using a HTTP GET request |
| [$.getScript()](http://www.w3schools.com/jquery/ajax_getscript.asp) | Loads (and executes) a JavaScript from the a server using an AJAX HTTP GET request |
| [load()](http://www.w3schools.com/jquery/ajax_load.asp) | Loads data from a server and puts the returned data into the selected element |
| [$.param()](http://www.w3schools.com/jquery/ajax_param.asp) | Creates a serialized representation of an array or object (can be used as URL query string for AJAX requests) |
| [$.post()](http://www.w3schools.com/jquery/ajax_post.asp) | Loads data from a server using an AJAX HTTP POST request |
| [serialize()](http://www.w3schools.com/jquery/ajax_serialize.asp) | Encodes a set of form elements as a string for submission |
| [serializeArray()](http://www.w3schools.com/jquery/ajax_serializearray.asp) | Encodes a set of form elements as an array of names and values |

**jQuery Misc Methods**

|  |  |
| --- | --- |
| **Method** | **Description** |
| [data()](http://www.w3schools.com/jquery/misc_data.asp) | Attaches data to, or gets data from, selected elements |
| [each()](http://www.w3schools.com/jquery/misc_each.asp) | Run a function for each element matched by the jQuery selector |
| [get()](http://www.w3schools.com/jquery/misc_get.asp) | Get the DOM elements matched by the selector |
| [index()](http://www.w3schools.com/jquery/misc_index.asp) | Search for a given element from among the matched elements |
| [$.noConflict()](http://www.w3schools.com/jquery/misc_noconflict.asp) | Release jQuery's control of the $ variable |
| [$.param()](http://www.w3schools.com/jquery/misc_param.asp) | Creates a serialized representation of an array or object (can be used as URL query string for AJAX requests) |
| [removeData()](http://www.w3schools.com/jquery/misc_removedata.asp) | Removes a previously-stored piece of data |
| [size()](http://www.w3schools.com/jquery/misc_size.asp) | Return the number of DOM elements matched by the jQuery selector |
| [toArray()](http://www.w3schools.com/jquery/misc_toarray.asp) | Retrieve all the DOM elements contained in the jQuery set, as an array |