

# JavaScript API of the `<audio>` and `<video>` elements

## METHODS, PROPERTIES, AND EVENTS

The JavaScript API gives you powerful tools to manipulate the `<video>` element, as the video object provides many properties, methods and events.

The complete list of events can be found at [the W3C specification page](#), and numerous examples of each event can be found on many Web sites [such as this one](#).

The complete list of properties can be found at [the W3C HTML5 Video Events and API page](#). This page is interesting for Web developers because it shows an interactive view of the different values and events changing over time while the video is playing within the page.

**Click the picture to see it running online (or try the [direct link](#)), then play with the different buttons and look at the table of events and properties that will change in real time. The displayed names show the properties, events, and methods from the API.**



	<b>ended (readonly)</b>	<b>abort</b>
	<b>error</b>	<b>empty</b>
	<b>paused (readonly)</b>	<b>emptied</b>
	<b>muted</b>	<b>waiting</b>
	<b>seeking</b>	<b>loadedmetadata</b>
	<b>volume</b>	
	<b>height</b>	
	<b>width</b>	
	<b>seekable (readonly)</b>	
	<b>played (readonly)</b>	

Let's see now, through a set of examples, how to use the most important of these properties, methods, and events...

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## KNOWLEDGE CHECK 2.2.6 (NOT GRADED)

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The W3C specification about the JavaScript API associated to `<audio>` and `<video>` elements, proposes an interactive demonstration of the different properties/methods/events; it's a must see for all web developers interested in multimedia. Try it and guess what properties indicate the length of the video in seconds and the name of a valid event that is sent while the video is being played...

☐ `currentTime` and `play`

☐ `duration` and `timeUpdate`

CHECK

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