

# <time>: The (Date) Time element

**Baseline** Widely available

The `<time>` [HTML](#) element represents a specific period in time. It may include the `datetime` attribute to translate dates into machine-readable format, allowing for better search engine results or custom features such as reminders.

It may represent one of the following:

- A time on a 24-hour clock.
- A precise date in the [Gregorian calendar](#) (with optional time and timezone information).
- [A valid time duration](#) .

## Try it

HTML Demo: <time>		RESET
	HTML	CSS
1	<code>&lt;p&gt;</code>	
2	<code>  The Cure will be celebrating their 40th anniversary on &lt;time</code>	
3	<code>  datetime="2018-07-07"&gt;July 7&lt;/time&gt; in London's Hyde</code>	
4	<code>  Park.</code>	
5	<code>&lt;/p&gt;</code>	
6	<code>&lt;p&gt;</code>	
7	<code>  The concert starts at &lt;time datetime="20:00"&gt;20:00&lt;/time&gt; and</code>	
8	<code>  you'll be able to enjoy the band for at least</code>	
9	<code>  &lt;time datetime="PT2H30M"&gt;2h 30m&lt;/time&gt;.</code>	
10	<code>&lt;/p&gt;</code>	

# Attributes

Like all other HTML elements, this element supports the [global attributes](#).

`datetime`

This attribute indicates the time and/or date of the element and must be in one of the formats described below.

## Usage notes

This element is for presenting dates and times in a machine-readable format. For example, this can help a user agent offer to add an event to a user's calendar.

This element should not be used for dates prior to the introduction of the Gregorian calendar (due to complications in calculating those dates).

The *datetime value* (the machine-readable value of the datetime) is the value of the element's `datetime` attribute, which must be in the proper format (see below). If the element does not have a `datetime` attribute, **it must not have any element descendants**, and the *datetime value* is the element's child text content.

## Valid datetime values

Description	Microsyntax	Examples
Valid month string	<i>YYYY-MM</i>	2011-11 , 2013-05
Valid date string	<i>YYYY-MM-DD</i>	1887-12-01
Valid yearless date string	<i>MM-DD</i>	11-12
Valid time string	<i>HH:MM</i> <i>HH:MM:SS</i> <i>HH:MM:SS.mmm</i>	23:59 12:15:47 12:15:52.998
Valid local date and time string	<i>YYYY-MM-DDHH:MM</i> <i>YYYY-MM-DD HH:MM:SS</i> <i>YYYY-MM-DD</i> <i>HH:MM:SS.mmm</i>	2013-12-25 11:12 1972-07-25 13:43:07 1941-03-15 07:06:23.678 2013-12-25T11:12

Description	Microsyntax	Examples
	YYYY-MM-DDTHH:MM YYYY-MM-DDTHH:MM:SS YYYY-MM- DDTHH:MM:SS.mmm	1972-07-25T13:43:07 1941-03-15T07:06:23.678
Valid time-zone offset string	Z +HHMM +HH:MM -HHMM -HH:MM	Z +0200 +04:30 -0300 -08:00
Valid global date and time string	Any combination of a valid local date and time string followed by a valid time-zone offset string	2013-12-25 11:12+0200 1972-07-25 13:43:07+04:30 1941-03-15 07:06:23.678Z 2013-12-25T11:12-08:00
Valid week string	YYYY-WWW	2013-W46
Four or more ASCII digits	YYYY	2013 , 0001
Valid duration string	PdDT <h>h PdDT<h>h PdDT<h>h PdDT<h>h PT<h>h PT<h>h PT<h>h PT<h>h ww dd hh mm ss </h></h></h></h></h></h></h></h>	P12DT7H12M13S P12DT7H12M13.3S P12DT7H12M13.45S P12DT7H12M13.455S PT7H12M13S PT7H12M13.2S PT7H12M13.56S PT7H12M13.999S 7d 5h 24m 13s

## Examples

Basic example

HTML

```
<p>The concert starts at <time datetime="2018-07-07T20:00:00">20:00</time>.  
</p>
```

## Result

Play

The concert starts at 20:00.

## datetime example

## HTML

```
<p>  
  The concert took place on <time datetime="2001-05-15T19:00">May 15</time>.  
</p>
```

## Result

Play

## Technical summary

<a href="#">Content categories</a>	<a href="#">Flow content</a> , <a href="#">phrasing content</a> , palpable content.
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Permitted content	<a href="#">Phrasing content</a> .
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Tag omission	None, both the starting and ending tag are mandatory.
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Permitted parents	Any element that accepts <a href="#">phrasing content</a> .
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Implicit ARIA role	<a href="#">time</a>
Permitted ARIA roles	Any
DOM interface	<a href="#">HTMLTimeElement</a>

## Specifications

Specification
<a href="#">HTML Standard</a> <a href="#"># the-time-element</a>

## Browser compatibility

[Report problems with this compatibility data on GitHub](#)

	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS	Samsung Internet	WebView Android
time	62	14	22	49	7	62	22	46	4	8.0	
datetime	62	14	22	49	7	62	22	46	4	8.0	

Tip: you can click/tap on a cell for more information.

Full support      Has more compatibility info.

## See also

- The [<data>](#) element, allowing to signal other kind of values.