

HTML

HTML FUNDAMENTALS

# Multimedia



**IN A ROCKET**

Learn front-end development at *rocket speed*



# LET'S LEARN HTML!

IN THIS MODULE YOU'LL LEARN:

- ☐ How to **embed audio** in a web page.
- ☐ How to **add a video** in HTML.
- ☐ How to embed a **YouTube video**.



# AUDIO

*How to embed audio in a web page*



## Editor

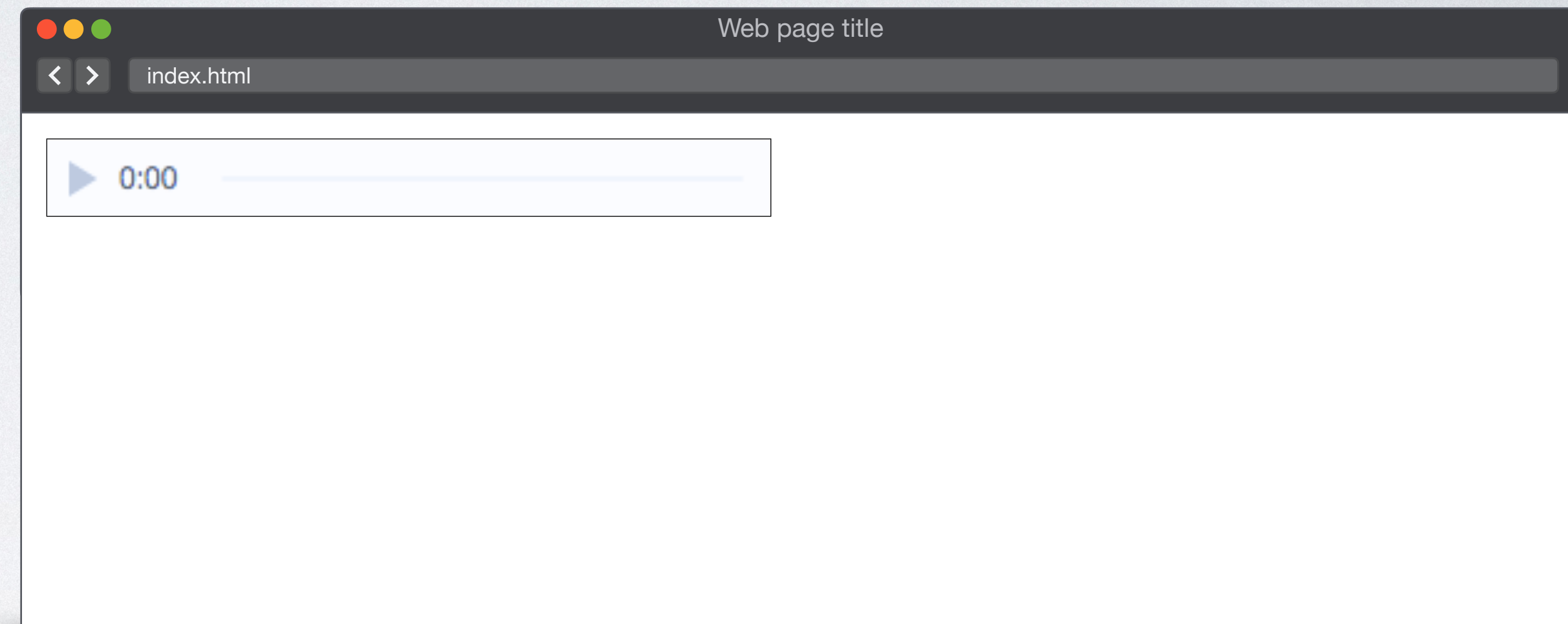
READY TO USE CODE

```
<body>
<audio controls="controls">
  <source src="bell.ogg" type="audio/ogg">
  <source src="bell.mp3" type="audio/mp3">
  Your browser does not support the audio
  element. Download the audio/video in
  <a href="bell.ogg">OGG</a> or
  <a href="bell.mp3">MP3</a> format.
</audio>
</body>
```

---

The **audio** element is used to embed sound content in documents. It may contain one or more audio sources, represented using the `src` attribute or the `<source>` element: the browser will choose the most suitable one.

## Browser





Can I use

audio

? ⚙ Settings

10 results found

## # Audio element - LS

Global

94.8% + 0.1% = 94.9%

Method of playing sound on webpages (without requiring a plug-in). Includes support for the following media properties: `currentSrc`, `currentTime`, `paused`, `playbackRate`, `buffered`, `duration`, `played`, `seekable`, `ended`, `autoplay`, `loop`, `controls`, `volume` & `muted`

Current aligned Usage relative Date relative Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		52	49						
		55	60			10.2			
	15	56	61	10.1		10.3		4.4	
11	16	57	62	11	48	11	all	62	62
	17	58	63	TP	49				
		59	64		50				
		60	65						

Notes Sub-features (6) Known issues (3) Resources (9) Feedback



# CONGRATULATIONS!

## YOU'VE LEARNED:

- How to **embed audio** in a web page.
- How to **add a video** in HTML.
- How to embed a **YouTube video**.



# VIDEO

*How to add a video in HTML*



## Editor

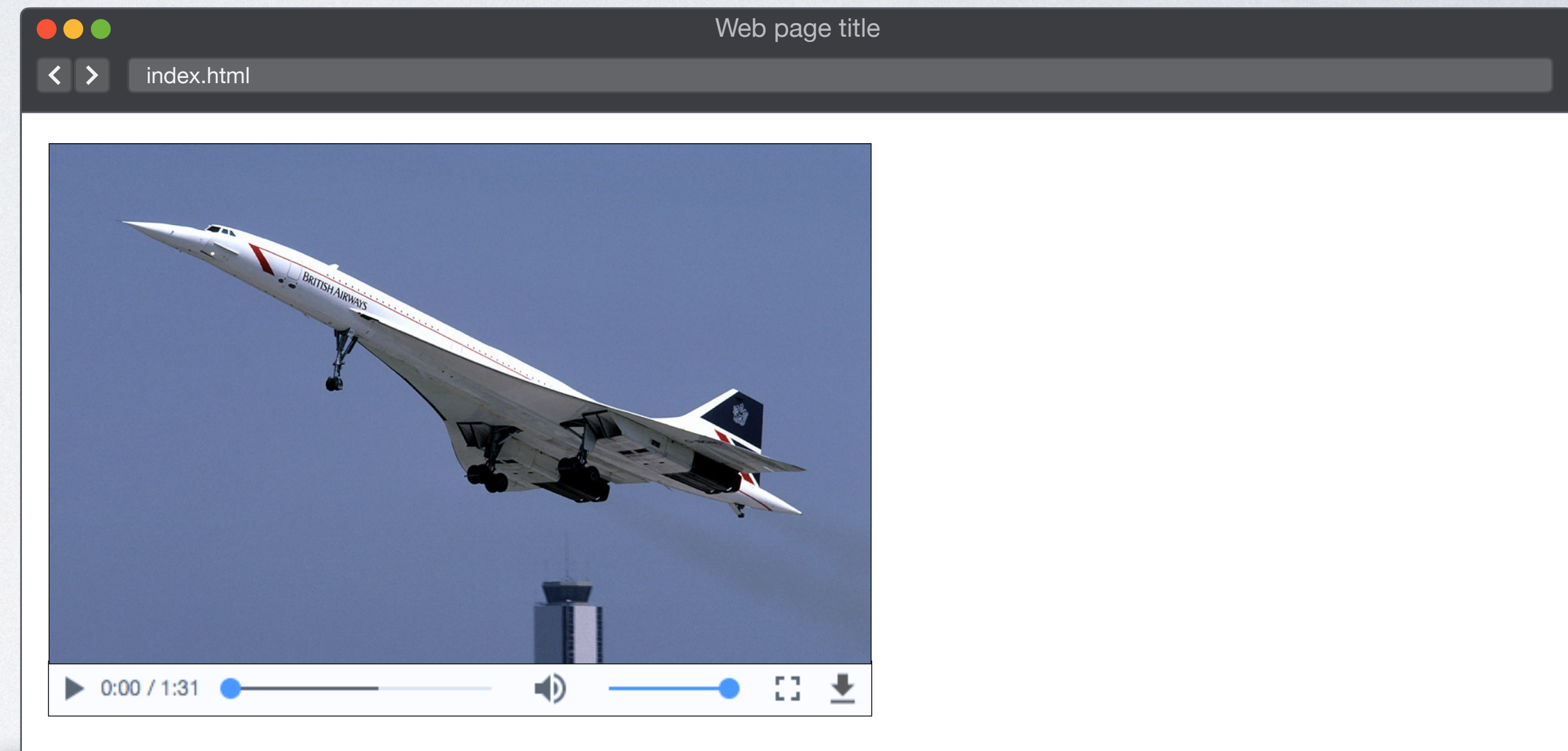
READY TO USE CODE

```
<body>
<video controls="controls">
  <source src="movie.mp4" type="video/mp4">
  <source src="movie.ogg" type="video/ogg">
  Your browser does not support the <video>
  element.
</video>
</body>
```

---

Use the **video** element to embed video content in a document.

## Browser





Can I use

video

? ⚙ Settings

13 results found

## # Video element - LS

Global

94.8% + 0.1% = 94.9%

Method of playing videos on webpages (without requiring a plug-in). Includes support for the following media properties: `currentSrc`, `currentTime`, `paused`, `playbackRate`, `buffered`, `duration`, `played`, `seekable`, `ended`, `autoplay`, `loop`, `controls`, `volume` & ``muted``

Current aligned Usage relative Date relative Show all

IE	Edge *	Firefox	Chrome	Safari	Opera	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android
		52	49						
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11	16	57	62	11	48	11	all	62	62
	17	58	63	TP	49				
		59	64		50				
		60	65						

Notes Sub-features (5) Known issues (0) Resources (7) Feedback




# VIDEO: ENHANCED VIDEO PLAYERS



Accessible HTML5 Video Player




# VIDEO: HTML5 VIDEO PLAYER COMPARISON



# VideoSWS\*

## HTML5 Video Player Comparison

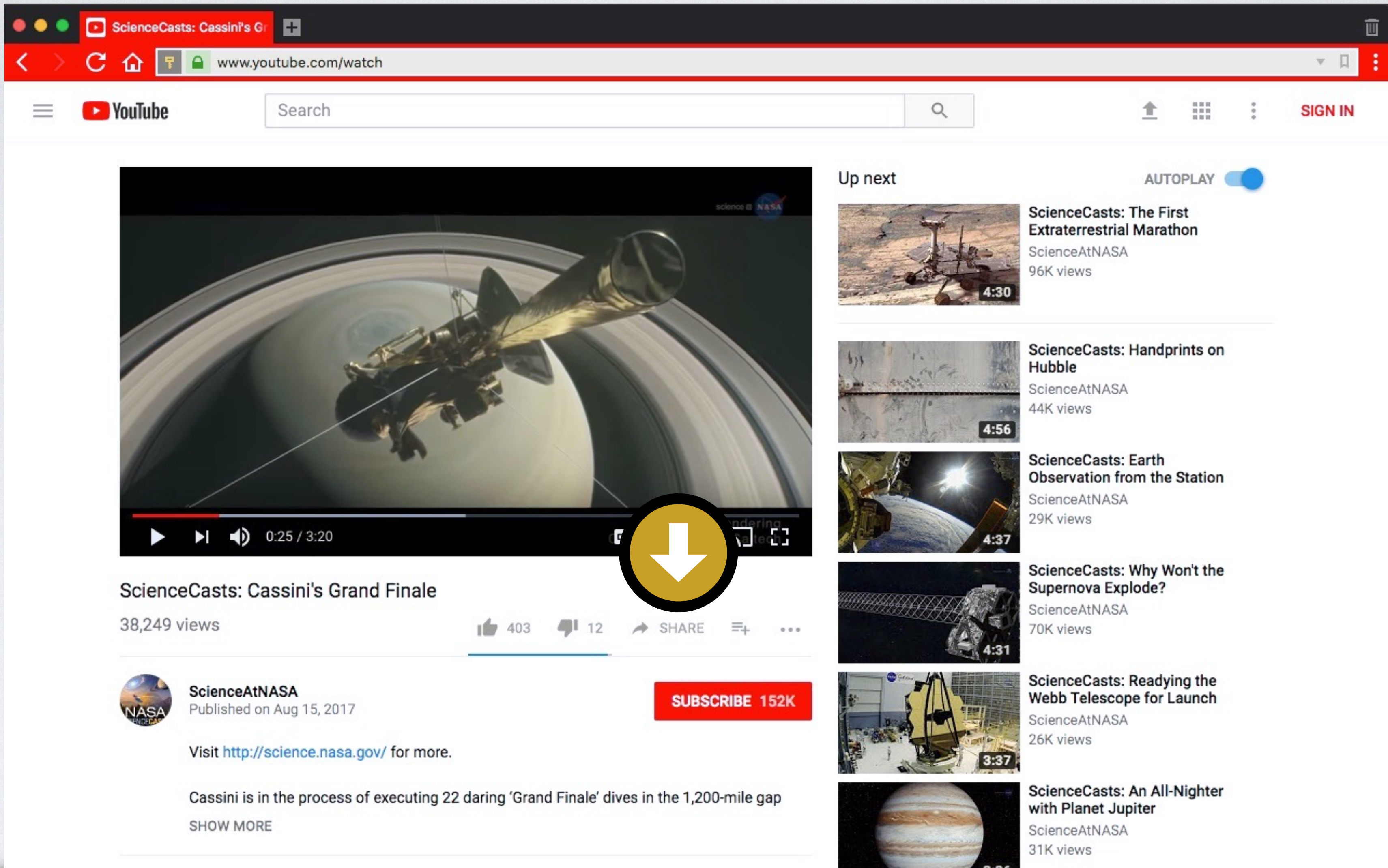
\* See What Sucks



	Flash fallback	Unified Look	API	Responsive	Skinnable	Embeddable	<audio> ready	Platforms	JS library	Hosting	License	CMS plugin	True fullscreen	Keyboard control	ARIA	Subtitles	Chapters	Playlists	Speed control	Quality control	HLS	Dash
Able Player	✔	✔	-	-	✔	-	✔	YouTube	jQuery	self-hosted	MIT	-	✔	✔	✔	✔	✔	✔	✔	-	-	-
afterglow	✔	✔	✔ unified	✔	✔	-	-	YouTube	-	self-hosted or cloud	MIT	-	✔	✔	-	✔	-	-	-	✔	-	-
Bitmovin Adaptive Streaming Player	✔	✔	✔ unified	✔	✔	-	✔	-	-	self-hosted or cloud	custom	Wordpress	✔	✔	-	✔	-	-	✔	✔	✔	✔
Fluid Player	-	-	-	✔	✔	✔	-	-	-	self-hosted	MIT	-	✔	-	-	-	-	-	-	-	✔	-
jvideoplayer	-	-	✔ unified	✔	✔	-	-		jQuery	self-hosted	WTFPL	-	✔	-	-	✔	-	-	-	-	-	-
leanback	✔	✔	✔ unified	-	✔	-	✔		-	self-hosted	GNU GPL	Wordpress, Joomla	✔	✔	-	✔	✔	✔	-	✔	-	-
mediaelement.js ★	✔	✔	✔ unified	✔	✔	-	✔	YouTube, Vimeo, Dailymotion	-	self-hosted or cloud	MIT	Wordpress, Drupal, Joomla, Typo3, Contao	✔	✔	✔	✔	✔	-	✔	-	✔	✔
OzPlayer	✔	✔	-	✔	✔	-	-	YouTube, Vimeo	-	self-hosted or cloud	custom	Wordpress	✔	✔	✔	✔	-	-	-	-	-	-



# VIDEO: HOW TO EMBED A YOUTUBE VIDEO



The image shows a screenshot of a YouTube video player. The video is titled "ScienceCasts: Cassini's Grand Finale" and has 38,249 views. The video player shows a spacecraft (Cassini) orbiting Saturn. A large yellow circular icon with a white downward arrow is overlaid on the video player, indicating a download or embed action. The video player interface includes a search bar, a "SIGN IN" button, and a "SUBSCRIBE 152K" button. The video description mentions "Cassini is in the process of executing 22 daring 'Grand Finale' dives in the 1,200-mile gap". To the right of the video player, there is a "Up next" section with several video recommendations, including "ScienceCasts: The First Extraterrestrial Marathon", "ScienceCasts: Handprints on Hubble", "ScienceCasts: Earth Observation from the Station", "ScienceCasts: Why Won't the Supernova Explode?", "ScienceCasts: Ready the Webb Telescope for Launch", and "ScienceCasts: An All-Nighter with Planet Jupiter".

ScienceCasts: Cassini's Grand Finale

38,249 views

403 12 SHARE

ScienceAtNASA  
Published on Aug 15, 2017

Visit <http://science.nasa.gov/> for more.

Cassini is in the process of executing 22 daring 'Grand Finale' dives in the 1,200-mile gap

SHOW MORE

SUBSCRIBE 152K

Up next

AUTOPLAY

ScienceCasts: The First Extraterrestrial Marathon  
ScienceAtNASA  
96K views  
4:30

ScienceCasts: Handprints on Hubble  
ScienceAtNASA  
44K views  
4:56

ScienceCasts: Earth Observation from the Station  
ScienceAtNASA  
29K views  
4:37

ScienceCasts: Why Won't the Supernova Explode?  
ScienceAtNASA  
70K views  
4:31

ScienceCasts: Ready the Webb Telescope for Launch  
ScienceAtNASA  
26K views  
3:37

ScienceCasts: An All-Nighter with Planet Jupiter  
ScienceAtNASA  
31K views



# VIDEO: HOW TO EMBED A YOUTUBE VIDEO

The screenshot shows a YouTube video player interface. The video title is "ScienceCasts: Cassini's Grand Finale" with 38,249 views. The channel is "ScienceAtNASA", published on Aug 15, 2017. A share menu is open over the video, displaying various social media icons and a shareable URL: <https://youtu.be/xTcnVxhmuKU>. The "EMBED" button in the share menu is highlighted with a yellow circle and a white arrow. The video player shows a timestamp of 0:25 / 3:20. The "Up next" section on the right lists several related videos, including "ScienceCasts: The First Extraterrestrial Marathon" and "ScienceCasts: Ready the Webb Telescope for Launch".



# VIDEO: HOW TO EMBED A YOUTUBE VIDEO

The screenshot shows a YouTube video player for the video "ScienceCasts: Cassini's Grand Finale" by ScienceAtNASA. The video has 38K views and no comments. The video player shows a close-up of the Cassini spacecraft. Below the video player, the channel name "ScienceAtNASA" is displayed, along with the publication date "Published on Aug 15, 2017" and a "SUBSCRIBE 152K" button. A link to the NASA website is provided: "Visit <http://science.nasa.gov/> for more." Below this, a snippet of the video description is shown: "Cassini is in the process of executing 22 daring 'Grand Finale' dives in the 1,200-mile gap" followed by a "SHOW MORE" link.

An "Embed Video" dialog box is open on the right side of the video player. It contains the following HTML code for embedding the video:

```
<iframe width="560" height="315"
src="https://www.youtube.com/embed/xTcnVxhmuKU"
frameborder="0" allowfullscreen></iframe>
```

Below the code, there are options to "Start at 0:00" (unchecked) and "EMBED OPTIONS". Under "EMBED OPTIONS", there is a checked option for "Show player controls." and an unchecked option for "Enable privacy-enhanced mode." with an information icon. A "COPY" button is located at the bottom right of the dialog box.

A yellow circular button with a white left-pointing arrow and a black border is positioned over the "Copy" button in the dialog box. A white rounded rectangle with a black border and the word "Copy" in black text is positioned to the right of the yellow button.



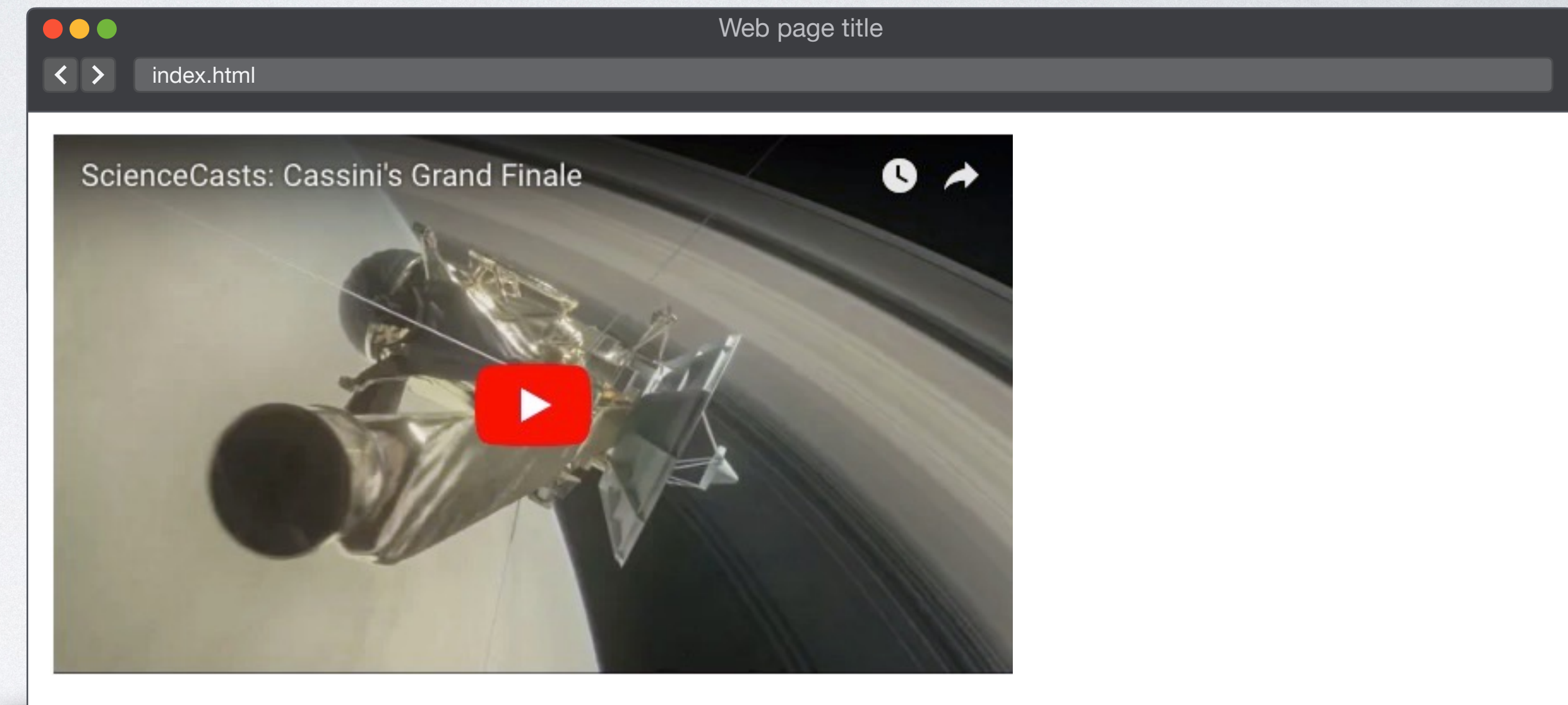
# VIDEO: HOW TO EMBED A YOUTUBE VIDEO

Editor

READY TO USE CODE

```
<body>  
<iframe width="560" height="315" src="https://  
www.youtube.com/embed/xTcnVxhmuKU"  
frameborder="0" allowfullscreen></iframe>  
</body>
```

Browser





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YOU CAN CONTINUE THIS COURSE FOR FREE ON

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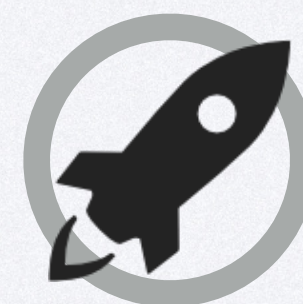
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+ QUIZZES

+ FREE UPDATES



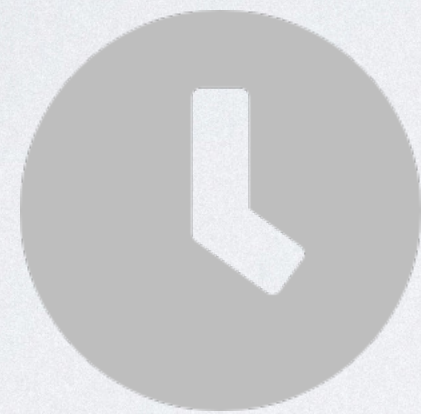
---

by miguelsanchez.com



# inrocket.com

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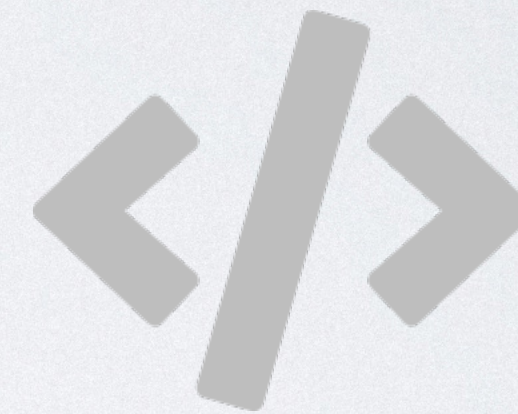
## **We respect your time**

No more blah blah videos. Just straight to the point slides with relevant information.



## **Step by step guides**

Clear and concise steps to build real use solutions. No missed points.



## **Ready to use code**

Real code you can just copy and paste into your real projects.



HTML

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# Multimedia



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