

Videos



Adding Videos to a Web Page

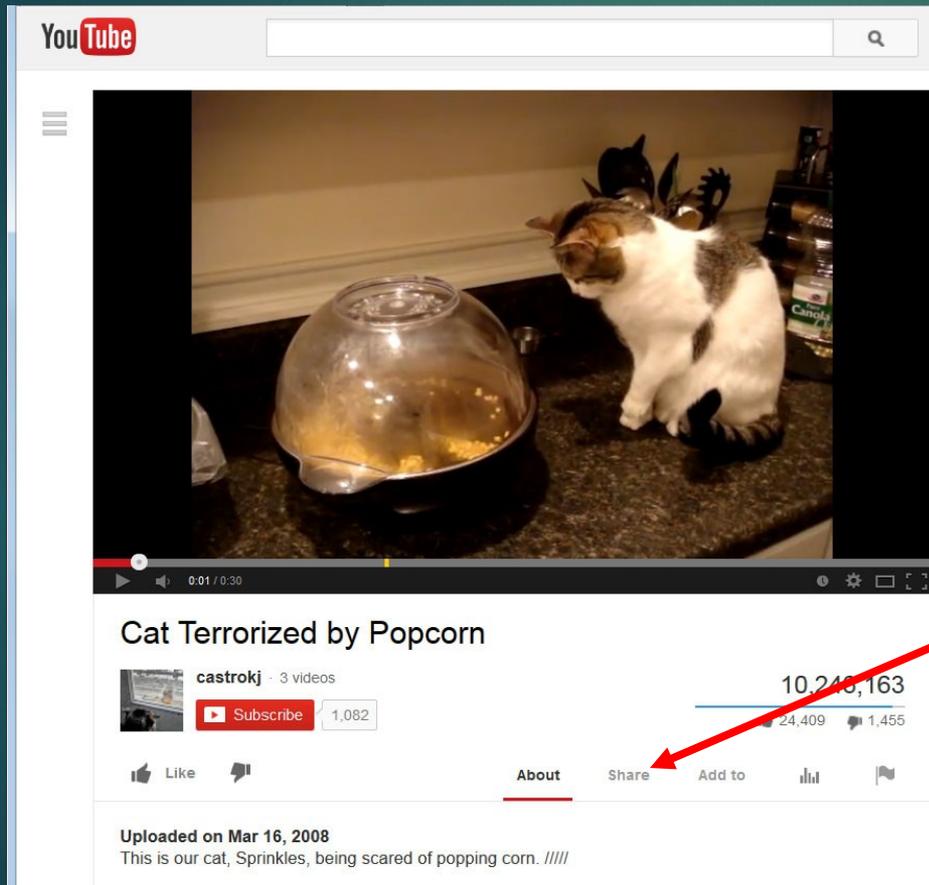
Placing videos into our web pages is not as complicated as it might seem:

- ▶ Videos can make our pages more interesting and engaging.
- ▶ Most video-hosting services, such as YouTube, will provide us with HTML code ready to copy and paste into our web page.
- ▶ Video-embedding code provided to us might not be XHTML valid, requiring us to make some small changes before the page will pass validation.

We also have the option to use our own video files directly on our web pages, but that comes with a number of technical challenges. For this course, we'll only use videos available on YouTube.

YouTube Video

To place a YouTube video into a web page, we first go to the page for the video itself:



The screenshot shows a YouTube video player with the title "Cat Terrorized by Popcorn". The video shows a white and brown cat sitting on a countertop next to a glass bowl filled with popcorn. The cat appears to be looking at the popcorn with a concerned expression. Below the video player, the channel name "castrokj" is visible, along with a "Subscribe" button and the number of subscribers (1,082). The video has 10,248,163 views, 24,409 likes, and 1,455 comments. The "Share" button is highlighted with a red arrow.

Now we can click on Share to view the instructions on how to add it to our own site.

YouTube Video



0:01 / 0:30

Cat Terrorized by Popcorn

castrokj · 3 videos

10,246,163

24,409 1,455

Like About Share Add to

Share this video Embed Email

f t g+ e r t p o v in

Start at:

To get the "copy and paste" code, we now click on the Embed option.

YouTube Video



Cat Terrorized by Popcorn



castrokj · 3 videos

[Subscribe](#) 1,082

10,246,163

24,409 1,455

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Share this video [Embed](#) [Email](#)

```
<iframe width="420" height="315" src="//www.youtube.com
/embed/PnJo7d-xBjY?rel=0" frameborder="0" allowfullscreen>
</iframe>
```

Video size: [Custom size](#) ×

- Show suggested videos when the video finishes
- Enable privacy-enhanced mode [?]
- Use old embed code [?]

Now we can copy the HTML code provided and paste it directly into our web document.

YouTube provides us with default dimensions of the video. We can modify those dimensions at this screen or later edit the width and height attributes directly in the code.

Embedding the Video

Here we've pasted the YouTube code directly between two header elements on our page:

```
<h1>One of My Favorite Videos:</h1>  
<iframe width="420" height="315" src="//www.youtube.com/embed/PnJo7d-xBjY?  
rel=0" frameborder="0" allowfullscreen></iframe>  
<h2>And now I'm moving on to something else...</h2>
```



The code provided by YouTube will function correctly on a live web server, but if the web document is stored on a local computer, the video will not load. The workaround is to add "http:" at the start of the src attribute value.

Validating the YouTube Code

When we run the YouTube code through the XHTML validator, we get the following result:

Validation Output: 1 Error

✘ *Line 14, Column 16:* "allowfullscreen" is not a member of a group specified for any attribute

```
allowfullscreen></iframe>
```

```
<iframe width="420" height="315" src="//www.youtube.com/embed/PnJo7d-xBjY?rel=0" frameborder="0" allowfullscreen></iframe>
```

We can fix this just by deleting "allowfullscreen" from the code. This has no effect on the appearance or functionality of our web page but our document will now pass validation.