Responsive Video

dealing with the good (HTML5)
and the bad (flash fallback)

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What's the problem?

Implementing a responsive site that needs a video player:

- Must use set 3rd party HTML5 video solution
- Video solution doesn't come with responsive option

Goal: Turn a fixed dimension video into a responsive video

Goal: Make video-js responsive

Let's check out the problem

Plan of attack for HTML5 video

- Strip off the fixed width and height
- Set the video tag width to 100%

[Let's try it out](#)

For HTML5 - easy peasy

...but wait

Is flash fallback responsive w/ HTML5 solution?

[Let's see](#)

One thought - use javascript
But we can do better

Want CSS solution for Flash

Idea

- Create an autosizing box with the aspect ratio of the video
- Stretch flash embed to fill the box
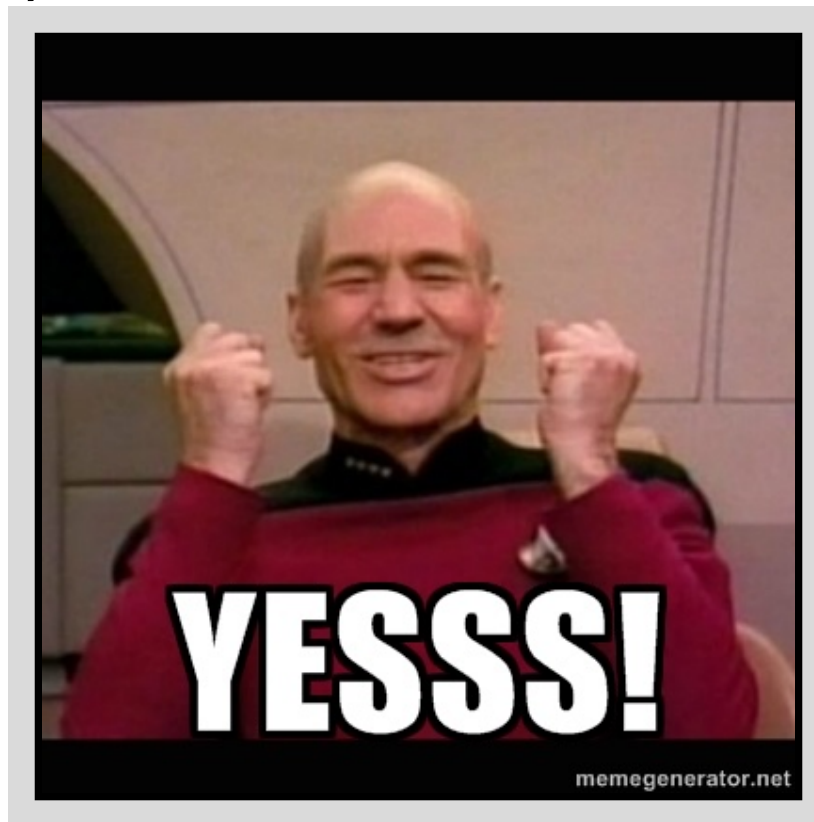
Let's try it out

The code

```css
.video-container {
    position: relative;
    width: 100%;
    height: 0;
    padding-bottom: (1 / aspect ratio) * 100%;
    /* 16:9 => 56.25%, 4:3 => 75% */
}

video,
object,
embed {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    height: 100%;
}
```

Why this works

- Padding top/bottom percentages are relative to width
- Position absolute lets us render video over padding area
- It also lets embed stretch it's height past it's parent's (Remember container height is 0, want height + padding)

Where does this work?

Everywhere! (Firefox, Chrome, all IEs)

Flash solution works for HTML5 video too!

Let's check it out

We got everything we want! (and no javascript)

Sources

- **A List Apart: Creating Intrinsic Ratios for Video**
- **https://developer.mozilla.org/en-US/docs/Web/CSS/padding**

Questions?

THE END
BY Wayne Warner