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How TO - Responsive Iframe

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Learn how to create responsive iframes with CSS.

Responsive Iframes

Create an iframe that will keep the aspect ratio (4:3, 16:9, etc.) when resized:



What is aspect ratio?

The aspect ratio of an element describes the proportional relationship between its width and its height. Two common video aspect ratios are 4:3 (the universal video format of the 20th century), and 16:9 (universal for HD television and European digital television, and for YouTube videos).

How To - Responsive Iframes

Step 1) Add HTML:

Use a container element, like `<div>`, and add the iframe inside of it:

Example

```
<div class="container">
  <iframe class="responsive-iframe" src="https://www.youtube.com/embed/tgbNymZ7vqY"></iframe>
</div>
```

Step 2) Add CSS:

Add a percentage value for `padding-top` to maintain the aspect ratio of the container DIV. The following example will create an aspect ratio of 16:9, which is the default aspect ratio of YouTube videos.

Example 16:9 Aspect Ratio

```
.container {
```

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Fullscreen Search

Input Field in Navbar

Login Form in Navbar

Custom Checkbox/Radio

Custom Select

Toggle Switch

Check Checkbox

Detect Caps Lock

Trigger Button on Enter

Password Validation

Toggle Password Visibility

```
position: relative;
overflow: hidden;
width: 100%;
padding-top: 56.25%; /* 16:9 Aspect Ratio (divide 9 by 16 = 0.5625) */
}

/* Then style the iframe to fit in the container div with full height and width */
.responsive-iframe {
position: absolute;
top: 0;
left: 0;
bottom: 0;
right: 0;
width: 100%;
height: 100%;
}
```

Try it Yourself »

Other aspect ratios:

Example 4:3 Aspect Ratio

```
.container {
padding-top: 75%; /* 4:3 Aspect Ratio */
}
```

Try it Yourself »

Example 3:2 Aspect Ratio

```
.container {
padding-top: 66.66%; /* 3:2 Aspect Ratio */
}
```

Try it Yourself »

Example 8:5 Aspect Ratio

```
.container {
padding-top: 62.5%; /* 8:5 Aspect Ratio */
}
```

Try it Yourself »

Example 1:1 Aspect Ratio (Height and Width is Always Equal)

```
.container {
padding-top: 100%; /* 1:1 Aspect Ratio */
}
```

Try it Yourself »

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