

# HOW TO RETINAFY YOUR WEBSITE



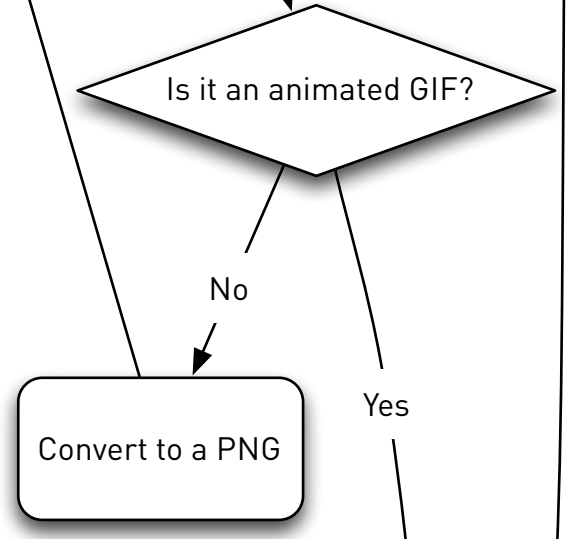
by @thomasfuchs  
<http://mir.aculo.us/>

What's the type of existing content?

Text Canvas SVG PNG GIF JPG Favicon

Watch the "Delivering Web Content on High Resolution Displays" Apple WWDC 2012 video  
<https://developer.apple.com/videos/wwdc/2012/>

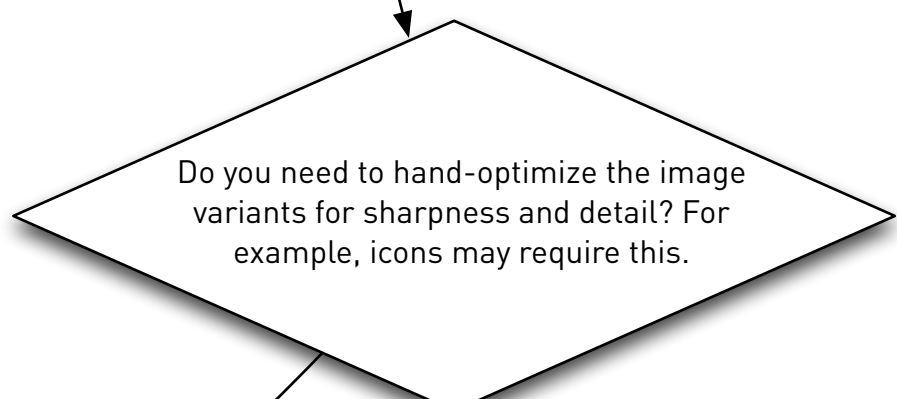
(Magic)



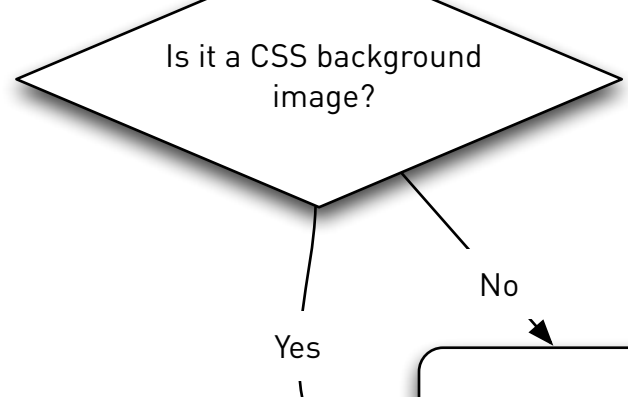
Create a favicon.ico file that contains a 16x16 and a 32x32 pixel variant with alpha-channel transparency.  
Tool recommendation:  
<http://www.xiconeditor.com/>

Create a new version of the image that is scaled by 2.  
If you work from Photoshop originals, don't forget to scale effects as well.

Optimize image file size with ImageOptim.  
<http://imageoptim.com/>



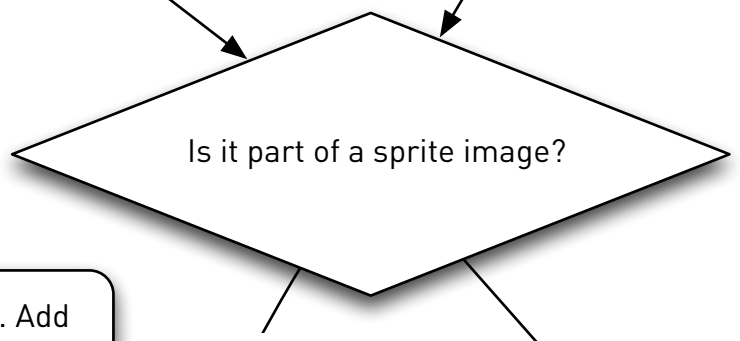
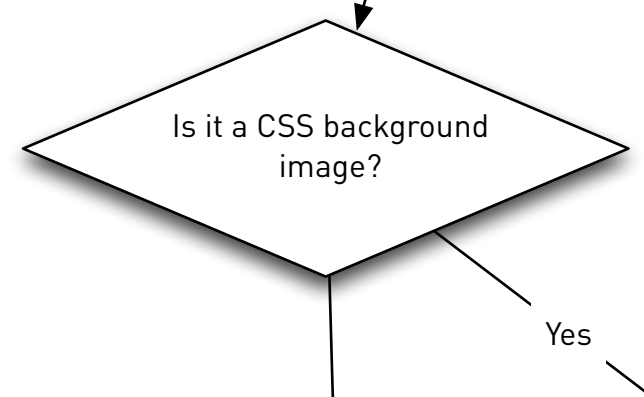
Hand-optimize your two versions



Change from IMG tags to CSS background images.

Add a CSS media query to target retina and high-DPI screens:

```
@media only screen and (-moz-min-device-pixel-ratio: 1.5), only screen and (-o-min-device-pixel-ratio: 3/2), only screen and (-webkit-min-device-pixel-ratio: 1.5), only screen and (min-device-pixel-ratio: 1.5), only screen and (min-resolution: 1.5dppx) {  
  <css selector> {  
    background-image: url(<scaled image>);  
  }  
}
```



Use the scaled image instead of the original. Add width and height of the original image to the IMG tag, either as attributes or in CSS.

```
background-image: url(<image>);  
background-size: 100%;  
  
[use original image if two variants are used, otherwise scaled image]
```

```
background-image: url(<image>);  
background-size: <original width>px <original height>px;  
  
[use original image if two variants are used, otherwise scaled image]
```

Done!