

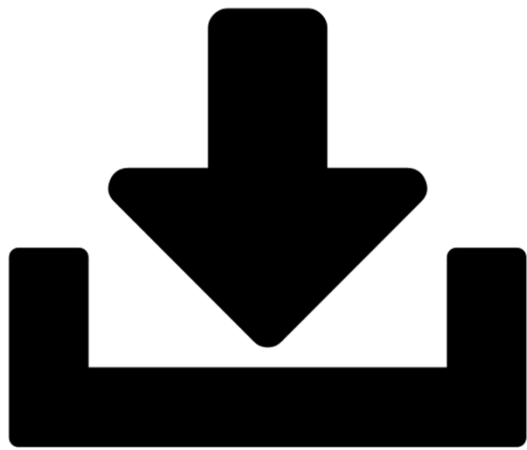
ITP 104 Web Publishing

CSS Sprites and jQuery



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CSS Sprites

- Sprite = single image file containing multiple images or icons.
- Using CSS Sprites:
 - Set the sprite as the element's background-image.
 - Show only 1 image or icon (part of the sprite) through the element.

Why use CSS Sprites?

1. Performance

Browsers only load 1 large image (1 server request) instead of multiple images (multiple requests).

2. (Slightly) Smaller File Size

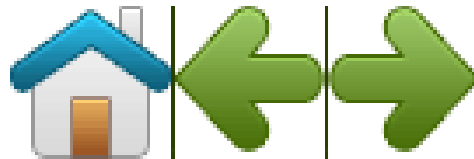
Multiple images in 1 file take less memory than multiple images in multiple files.

3. Design

To change the design theme (for holidays or rebranding), only sprite needs to be replaced.

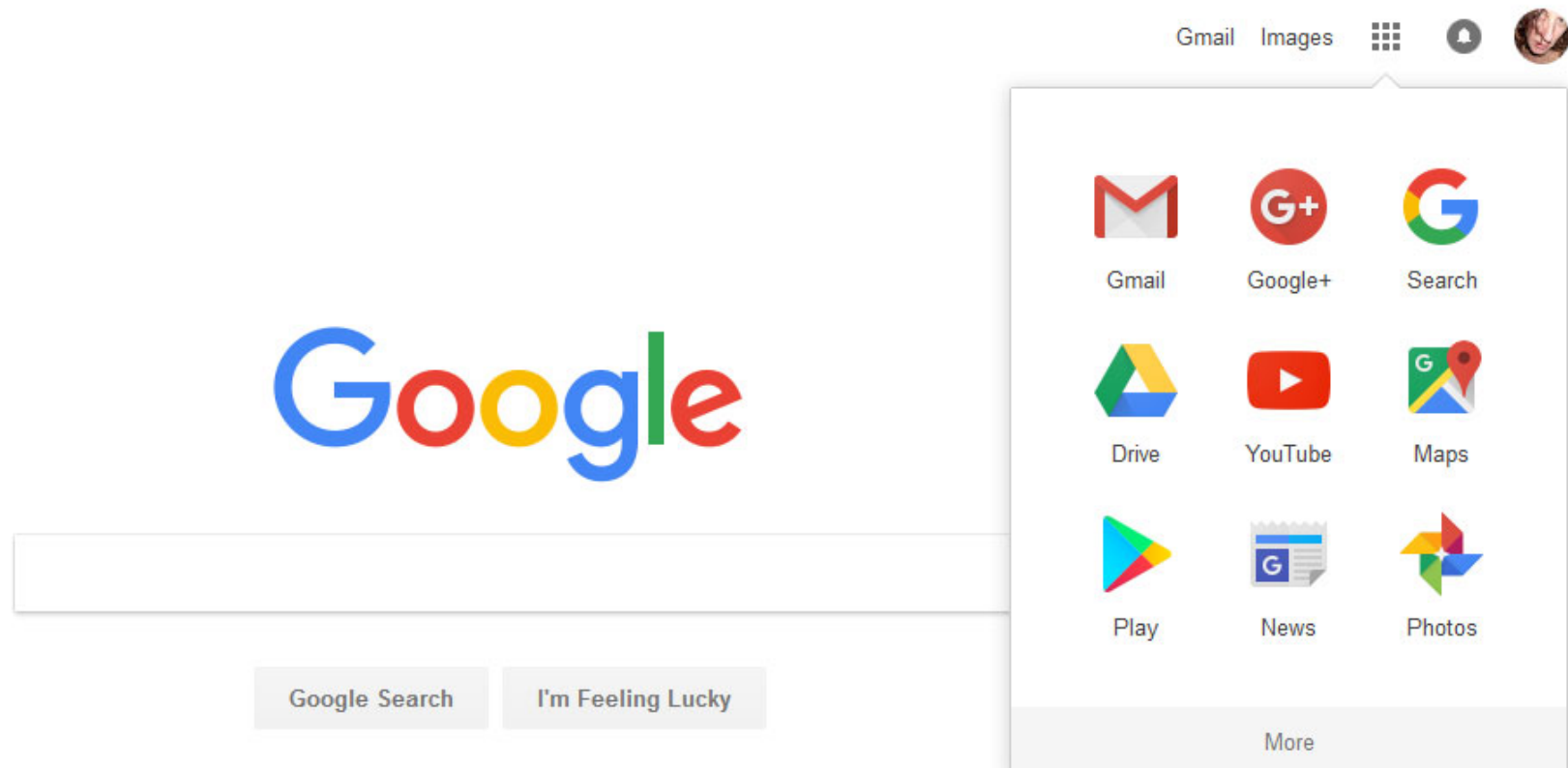
CSS Sprites

Instead of using three separate images, use a single image:



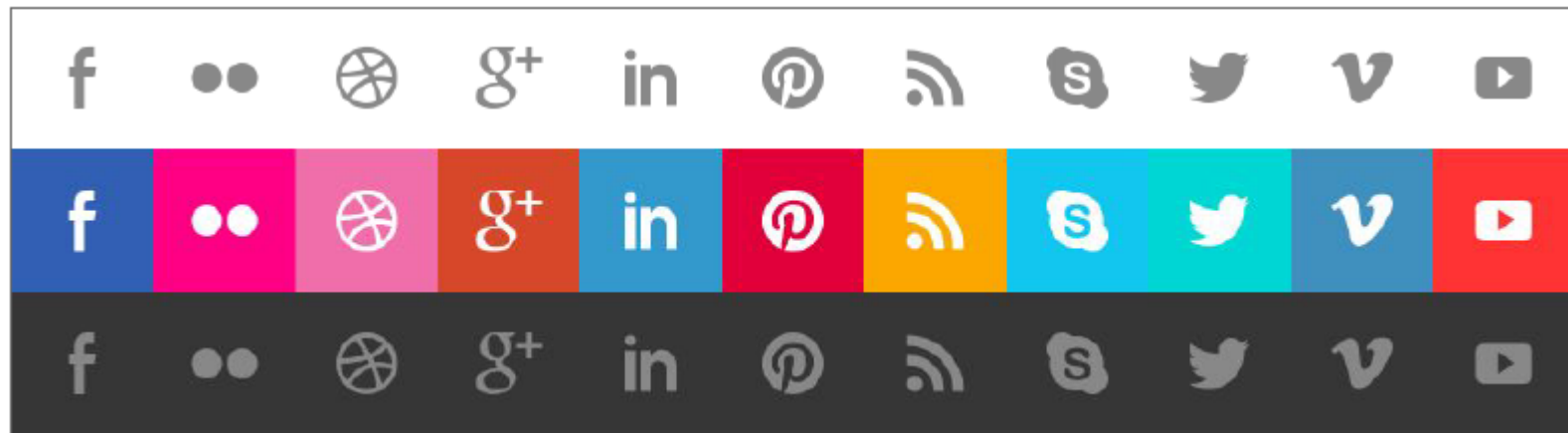
```
#home {  
  width: 46px;  
  height: 44px;  
  background: url(sprite.gif) 0 0;  
}
```

CSS Sprites – EXAMPLE



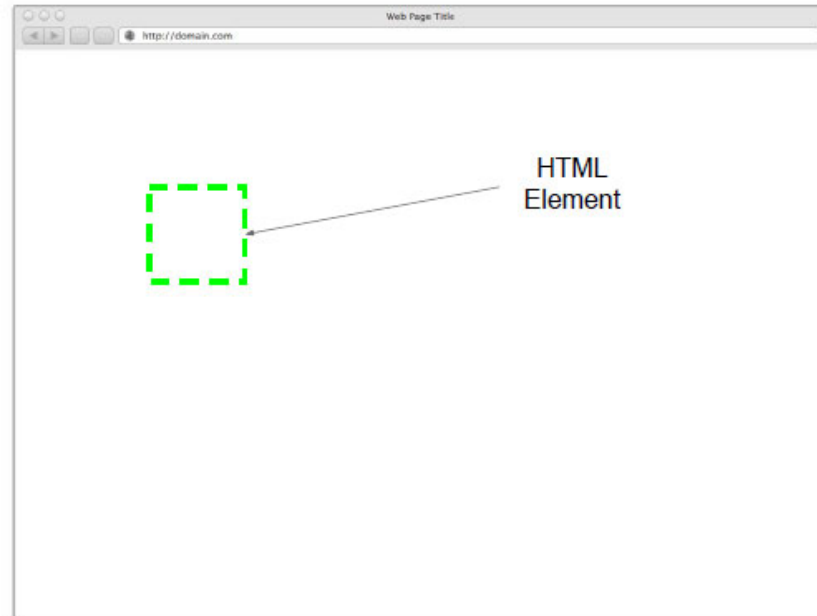
CSS Sprites – EXAMPLE

Sample CSS Sprite with social media icons:



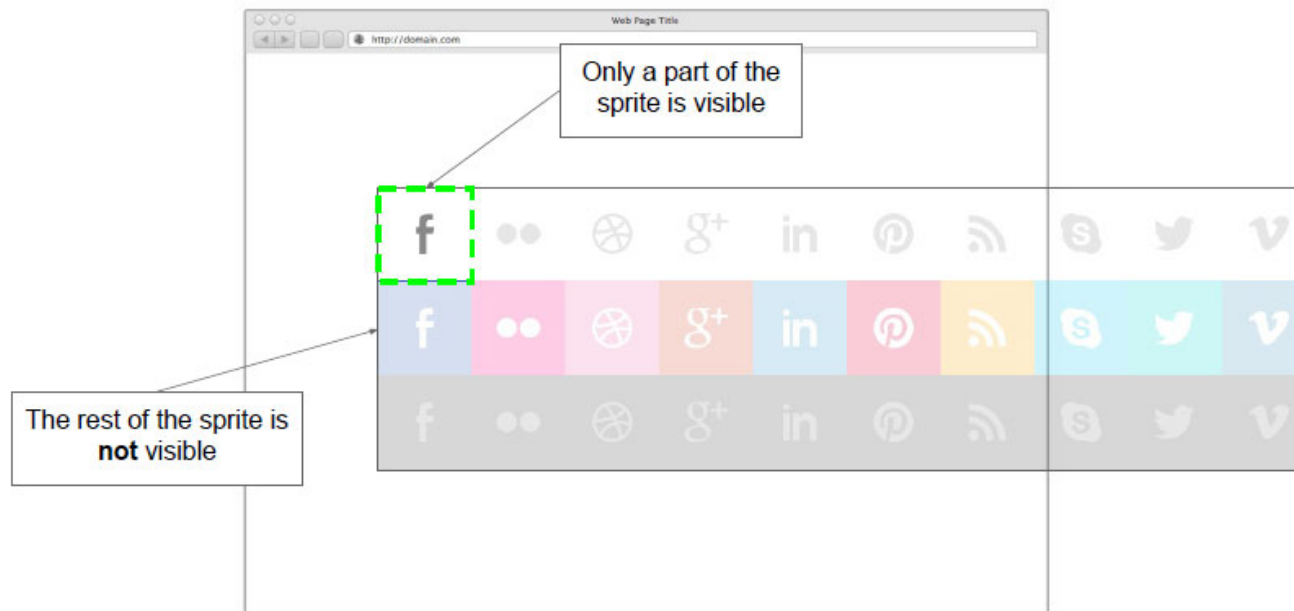
CSS Sprites – STEP 1

STEP 1: Create HTML element



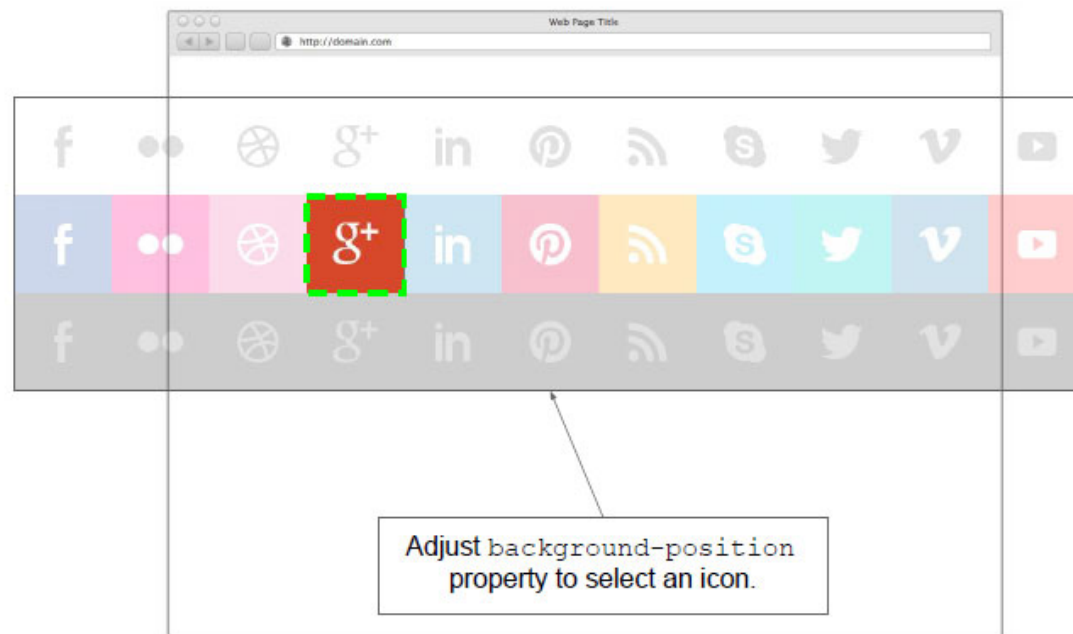
CSS Sprites – STEP 2

STEP 2: CSS Sprite should be the element's background-image



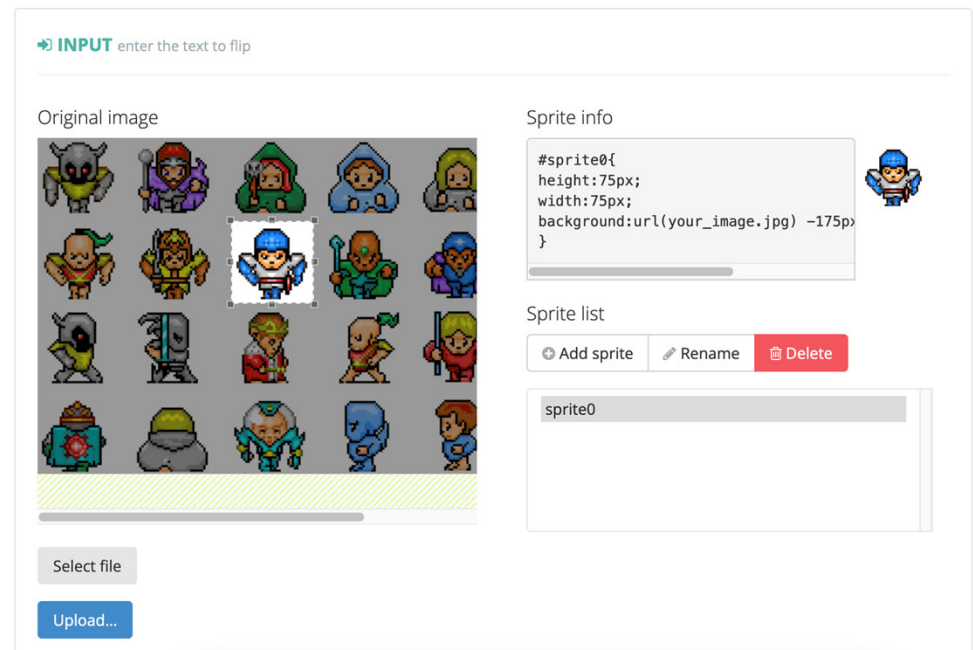
CSS Sprites – STEP 3

STEP 3: Adjust element's size and background-position



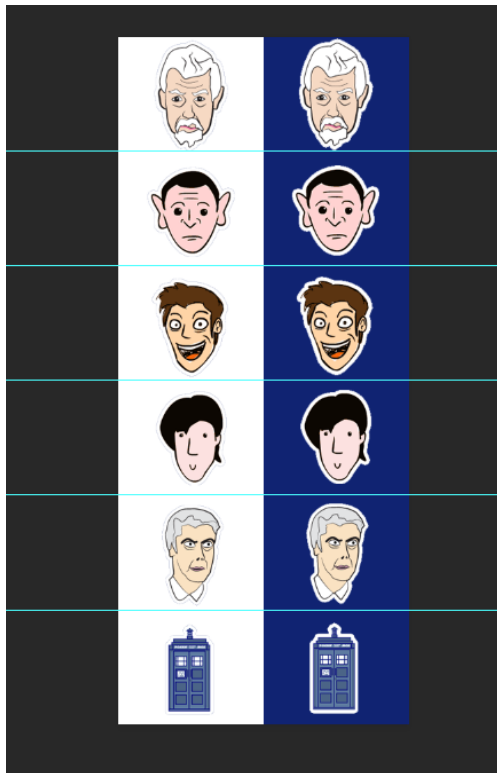
CSS Sprites Resources

The term "**sprites**" comes from a technique in computer graphics, most often used in video games. The idea was that the computer could fetch a graphic into memory, and then only display parts of that image at a time, which was faster than having to continually fetch new images. The sprite was the big combined graphic. CSS Sprites is pretty much the exact same theory: get the image once, and shift it around and only display parts of it. This reduces the overhead of having to fetch multiple images.



CSS Sprites Resources

Photoshop File



CSS SPRITE WORKSHEET

WIDTH = 190, HEIGHT = 150

X axis		Y axis	
X=	Y=		
X=	Y=		
X=	Y=		
X=	Y=		
X=	Y=		
X=	Y=		

once you identify X and Y make the values negative and add a background-position property

Identify
background-
position on
hover and
non-hover
states

Favicon Online Maker

[Converter](#)[Generator](#)[Emojis](#)[Tutorials](#)[Logos](#)[Tweet](#)[Buy me a coffee](#)

FAVICON GENERATOR

The only favicon generator you need for your next project. Quickly generate your favicon from text, image, or choose from hundreds of emojis.

Favicon Generators

PNG → ICO

TEXT → ICO

😎 → ICO

```
<link rel="icon" type="image/x-icon" href="/images/favicon.ico">
```

A **favicon** is a small image displayed next to the page title in the browser tab.

Content Management Systems

A content management system, often abbreviated as **CMS**, is software that helps users create, manage, and modify content on a website without the need for specialized technical knowledge.



Popular Content Management Systems



WordPress

My Site Reader



Kimberly Rubal
kimberlyrubal.wordpress.com

Free domain with an annual plan

Upgrade

My Home

Stats

Upgrades

Free

Inbox

Posts

Media

Pages

All Pages

Add New

Testimonials

Portfolio

Comments

Feedback

Jetpack

WooCommerce

Write



View

Pages

Create, edit, and manage the pages on your site. [Learn more.](#)

Published 4 Drafts 0 Scheduled 0 Trashed 0

Me Everyone



The homepage is showing your latest posts.



Pages

Add new page

Another Page

Mar 10, 2018 at 12:46 PM



Resume

Mar 1, 2011 at 5:14 PM



Teaching Philisophy

Feb 1, 2011 at 12:31 PM



Home

Jan 20, 2010 at 7:03 PM



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