

## AGENDA

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- Discuss reading
- Troubleshooting
- Learn about:
  - CSS variables
  - Image formats + considerations
- Wrapping up Project 2

DISCUSS ON READINGS

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**Beyond the interface**

**Make it boring**

## TROUBLESHOOTING

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- Slack
- In-class pushes

Questions or issues?

## CSS VARIABLES

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- What's a **variable**?
- Why would we use variables?

## CSS VARIABLES

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- What do they look like?

```
--color-crimson: hsl(360, 90%,  
15%);
```

## CSS VARIABLES

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### Global

```
:root {  
  --color-crimson: hsl(360, 90%,  
15%);  
}
```

### Scoped

```
.your-class {  
  --color-crimson: hsl(360, 90%,  
15%);  
}
```

## CSS VARIABLES

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### Using your variable

```
:root {  
  --color-crimson: hsl(360, 90%, 15%);  
}
```

```
p {  
  color: var(--color-crimson);  
}
```

## CSS VARIABLES

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### Referencing

```
:root {  
  --font-bold: 'NeueAlteGrotesk-Bold', sans-serif;  
  --color-crimson: hsl(360, 90%, 15%);  
}
```

```
p {  
  color: var(--color-crimson);  
  font-family: var(--font-bold);  
}
```



## CSS VARIABLES

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# WEB STYLE GUIDE ON IMAGES

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*Web Style Guide* by Patrick J. Lynch and Sarah Horton

## Chapter 11

# Images

*Good design is clear thinking made visible.*

—Edward Tufte

Good diagrams and interesting illustrations are visually arresting and create documents that are distinct and memorable. Illustrations can convey complex quantitative or spatial information quickly, transcending language barriers, and can combine with text to complement many styles of information gathering and learning. New tools have increased our ability to create information graphics, and the web provides a full-color multimedia forum unbounded by the costs of publishing and distributing paper.

## Web Imaging Strategies

### Interface and branding

Consistent interface and identity graphics across a collection of web pages define the boundaries of a web “site.” Although web designers could build a

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## IMAGE TYPES

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- raster vs. vector

## IMAGE FORMATS

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- GIF
- JPG
- PNG

## IMAGE TYPES

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- raster vs. vector

## IMAGE FORMATS

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- GIF
- JPG
- PNG
- SVG

## IMAGE SIZE

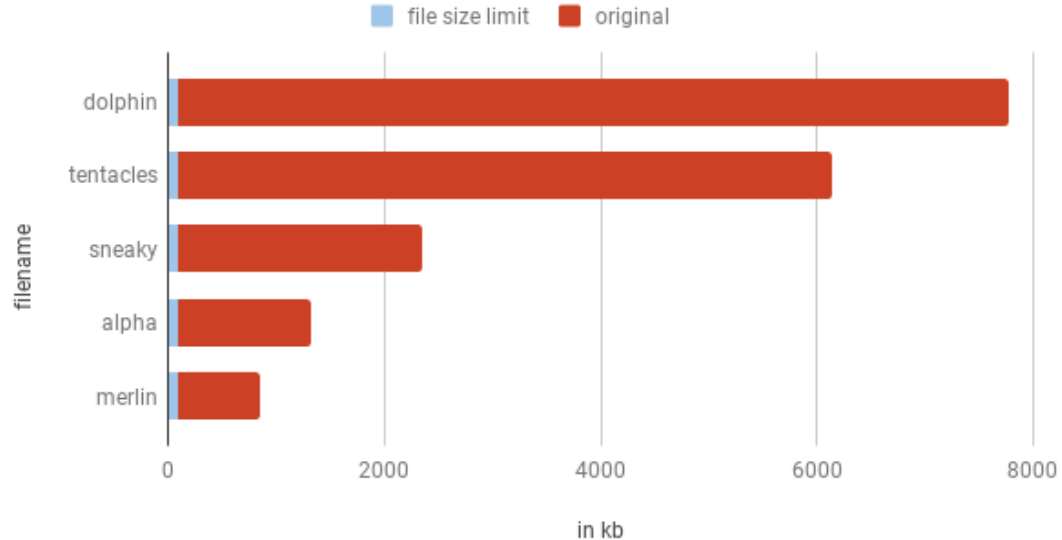
---

- width + height
- resolution
- file size

## PROJECT 1 IMAGES: ORIGINALS

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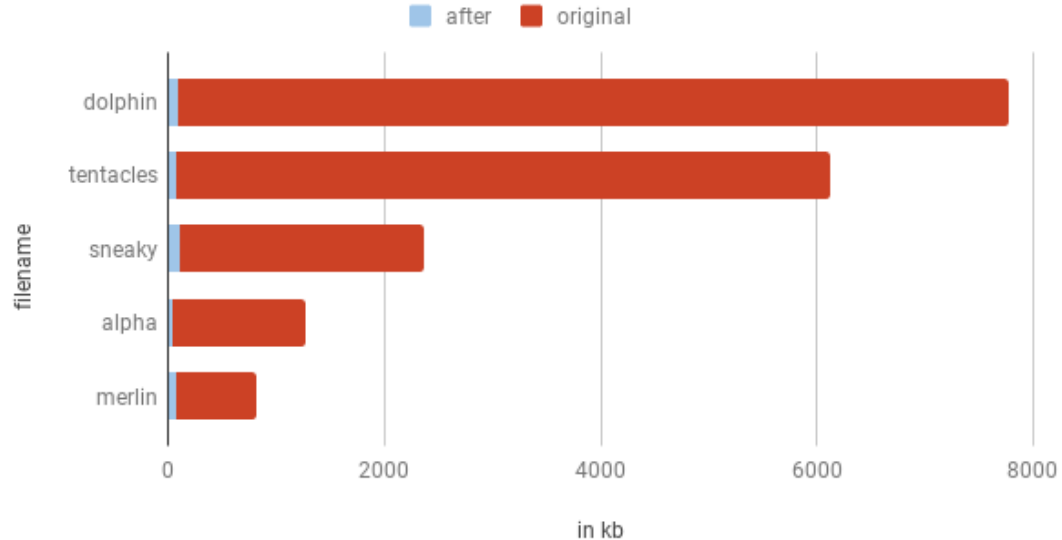
project 1 file size overages



## PROJECT 1 IMAGES: RESIZED

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project 1 files resized + compressed



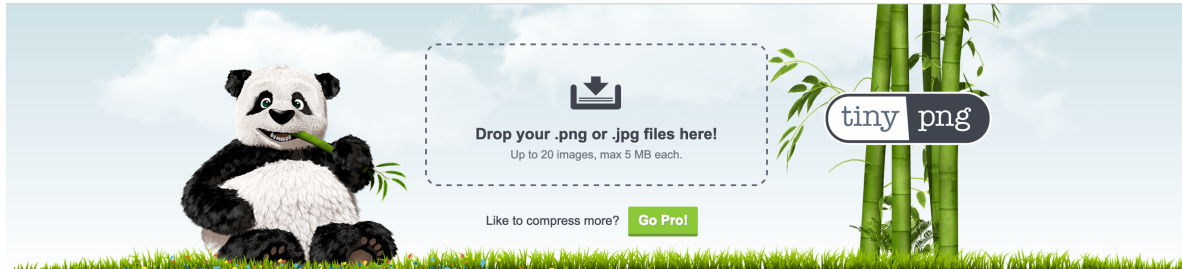
## WHY DOES THIS MATTER?

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# COMPRESSING IMAGES

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## Smart PNG and JPEG compression

More than 1 billion PNG and JPEG images optimized and still counting!

### What does TinyPNG do?

TinyPNG uses smart lossy compression techniques to **reduce the file size** of your PNG files. By selectively decreasing the number of colors in the image, fewer bytes are required to store the data. The effect is nearly invisible but it makes a very large difference in file size!

### Why should I use TinyPNG?

PNG is useful because it's the only widely supported format that can store partially **transparent images**. The format uses compression, but the files can still be large. Use TinyPNG to shrink images for your apps and sites. It will use less bandwidth and **load faster**.

### Get the Web Interface Pro!

Drag & drop **more than 20** files at once and have the 5 MB size limit **removed!**



## INLINE IMAGES

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## BACKGROUND IMAGES

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### CSS properties

- `background-repeat`
- `background-size`




## SVGS

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# COMPRESSING SVGS

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8.54k → 6.73k 78.81%



Global settings

☐ Show original

☒ Compare gzipped

☒ Prettify markup

Precision

Features

☒ Remove doctype

☒ Remove XML instructions

☒ Remove comments

☒ Remove <metadata>

☐ Remove xmlns

☒ Remove editor data

☒ Cleanup attribute whitespace

## ICON FONTS

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## Browser support

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## PROJECT 2

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### **1. Rubric**

### **2. Due date**

Sunday, March 10 @ EOD

*plus* 2 readings for next week

*and* 1-2 example web sites ✨designed  
well ✨ for mobile users