

Similar Sized Responsive Images



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Agenda



Determine Sizes

Create Images

Build HTML

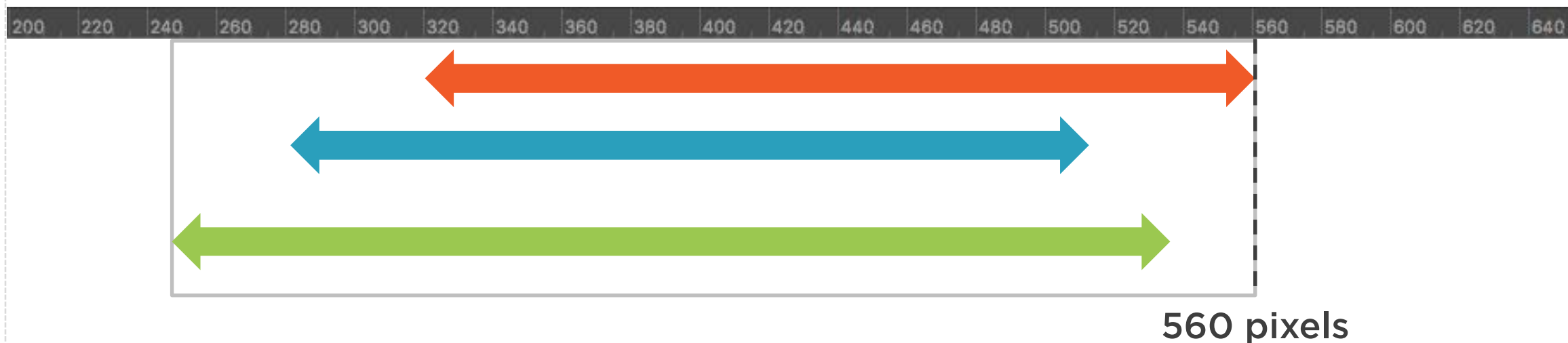
Test Our Work



Image of Beit-Shean



Three Images



320px

20em

560px

35em

1024px

64em

1600px

100em

_large.scss

_medium.scss

_small-default.scss



Pixel Density Images

1x

560 Photoshop Pixels Wide



2x

1120 Photoshop Pixels Wide



3x

1680 Photoshop Pixels Wide



~~4x~~



Lets open Photoshop and build these three different images.

First thing is to make sure the image is at least as big as the largest image we will create.

Our maximum image needed is 1680px wide and this image is 2500 so were in good shape.

Now let's create the three different versions

First we have a 560x336 named shean1x.jpg comma

Then we have 1120x672 named shean2x.jpg comma

then finally we have 1680x1008 named shean3x.jpg.

Turn on Generate Assets and save this file on the desktop.

We now have on the desktop the three different images needed.

Lets move them into the images folder of the start file for this module.

Normally this would be the end of our image creation work, but for the purpose of this tutorial, I am going to add labels to each of these.

In addition, I will duplicate the smallest one and name it shean.jpg.

Then I will open it in Photoshop and convert it to black and white so we can easily identify dumb browsers.

Now were ready to jump into our text editor and build the HTML.

iPhone 4

CSS Dimensions

width 320px

height 480px

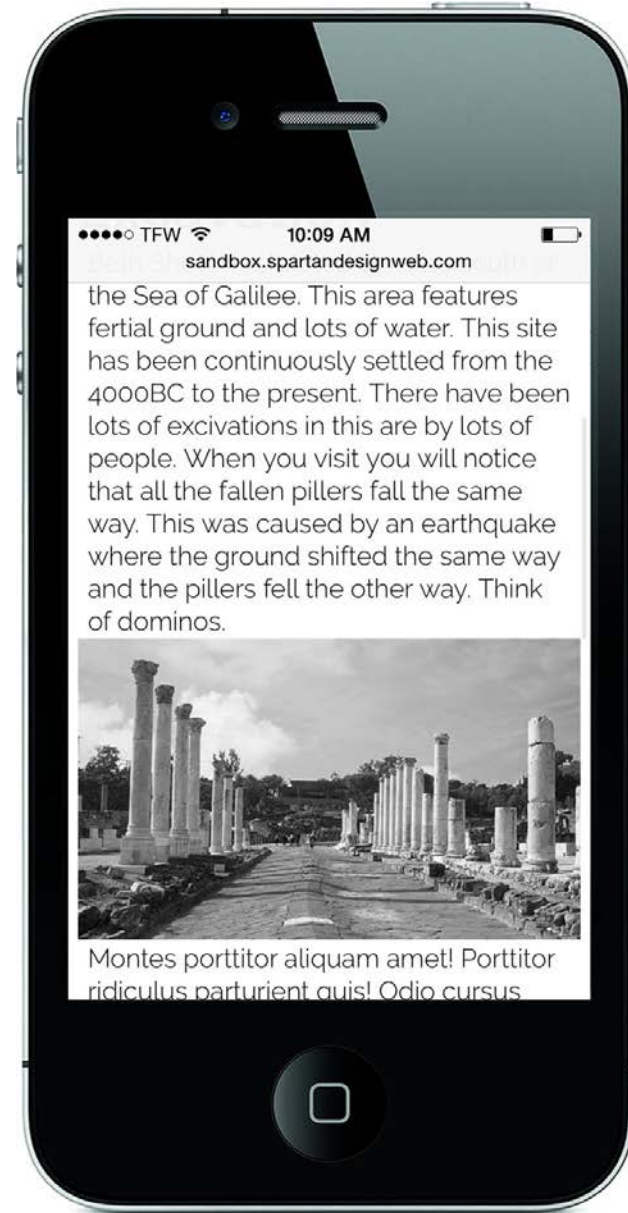
Dots of Light

width 640

height 960

Pixel Ratio

2



iPad 1

CSS Dimensions

width 768px

height 1024px

Dots of Light

width 768

height 1024

Pixel Ratio

1



Internet Explorer

CSS Dimensions

width variable

height variable

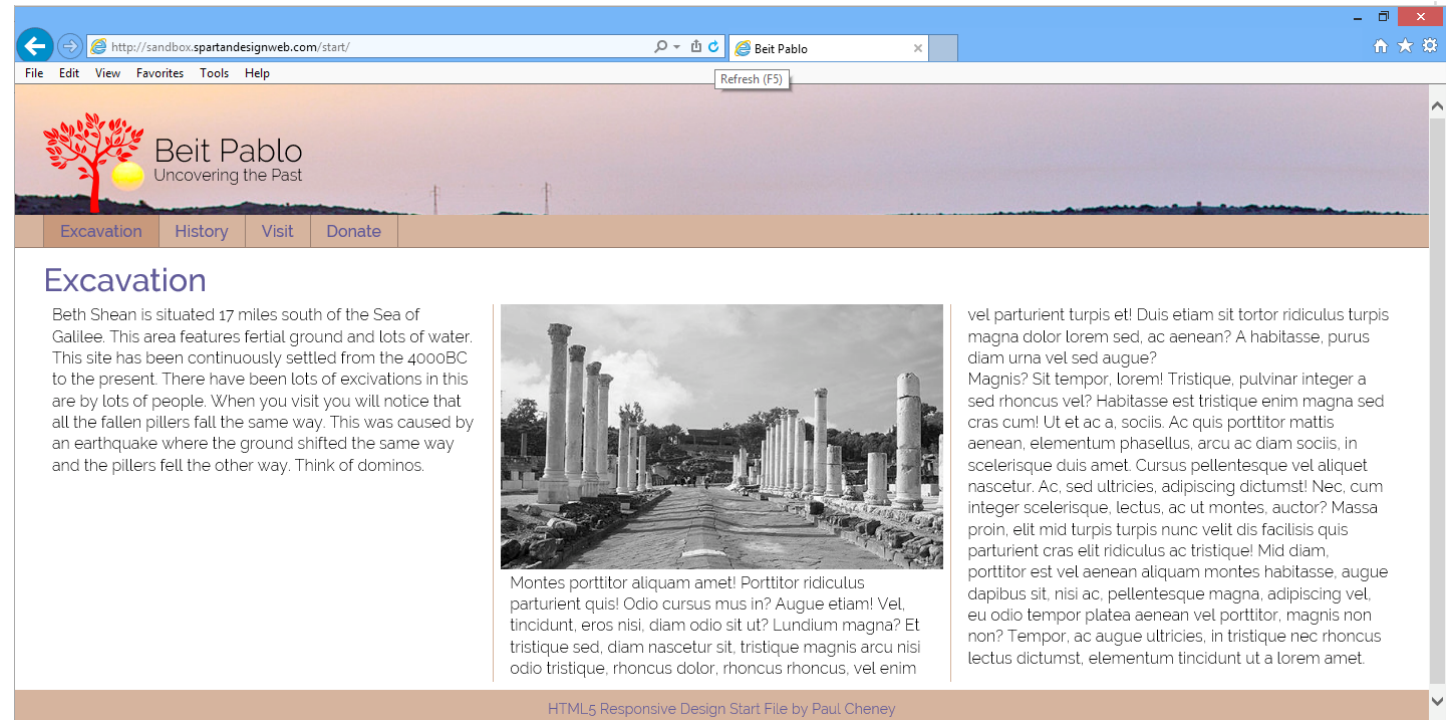
Dots of Light

width variable

height variable

Pixel Ratio

1



IE10



Modern Desktop

CSS Dimensions

width variable
height variable

Dots of Light

width variable
height variable

Pixel Ratio

1



iPhone 6

CSS Dimensions

width 375px

height 667px

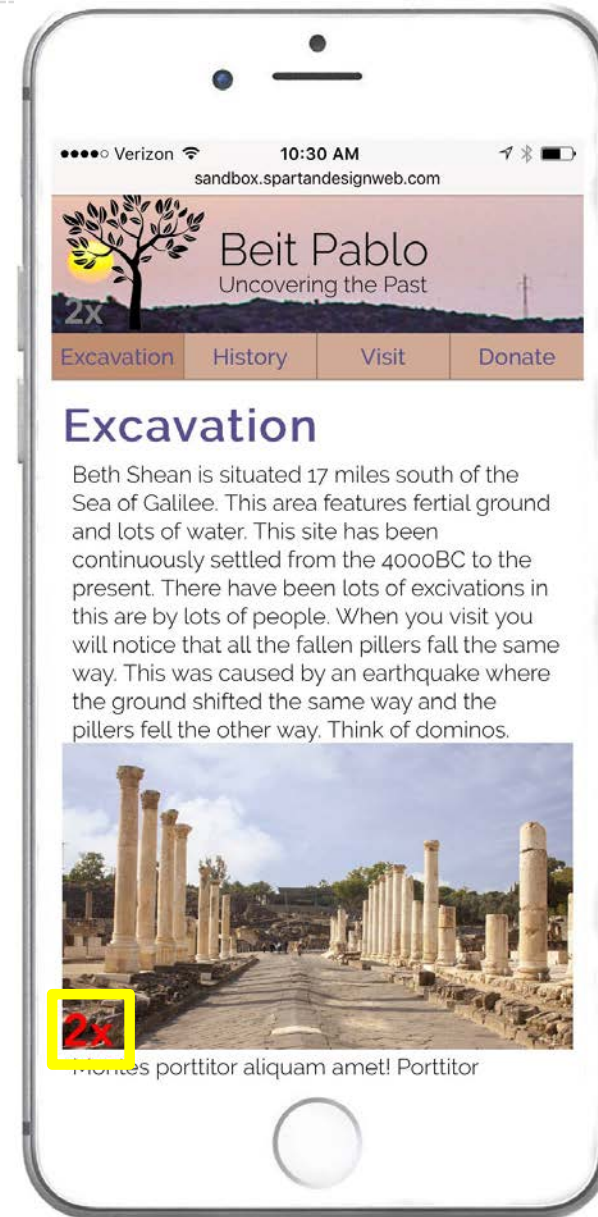
Dots of Light

width 750

height 1334

Pixel Ratio

2



iPad 4

CSS Dimensions

width 768px

height 1024px

Dots of Light

width 1536

height 2048

Pixel Ratio

2



Laptop

CSS Dimensions

width variable

height variable

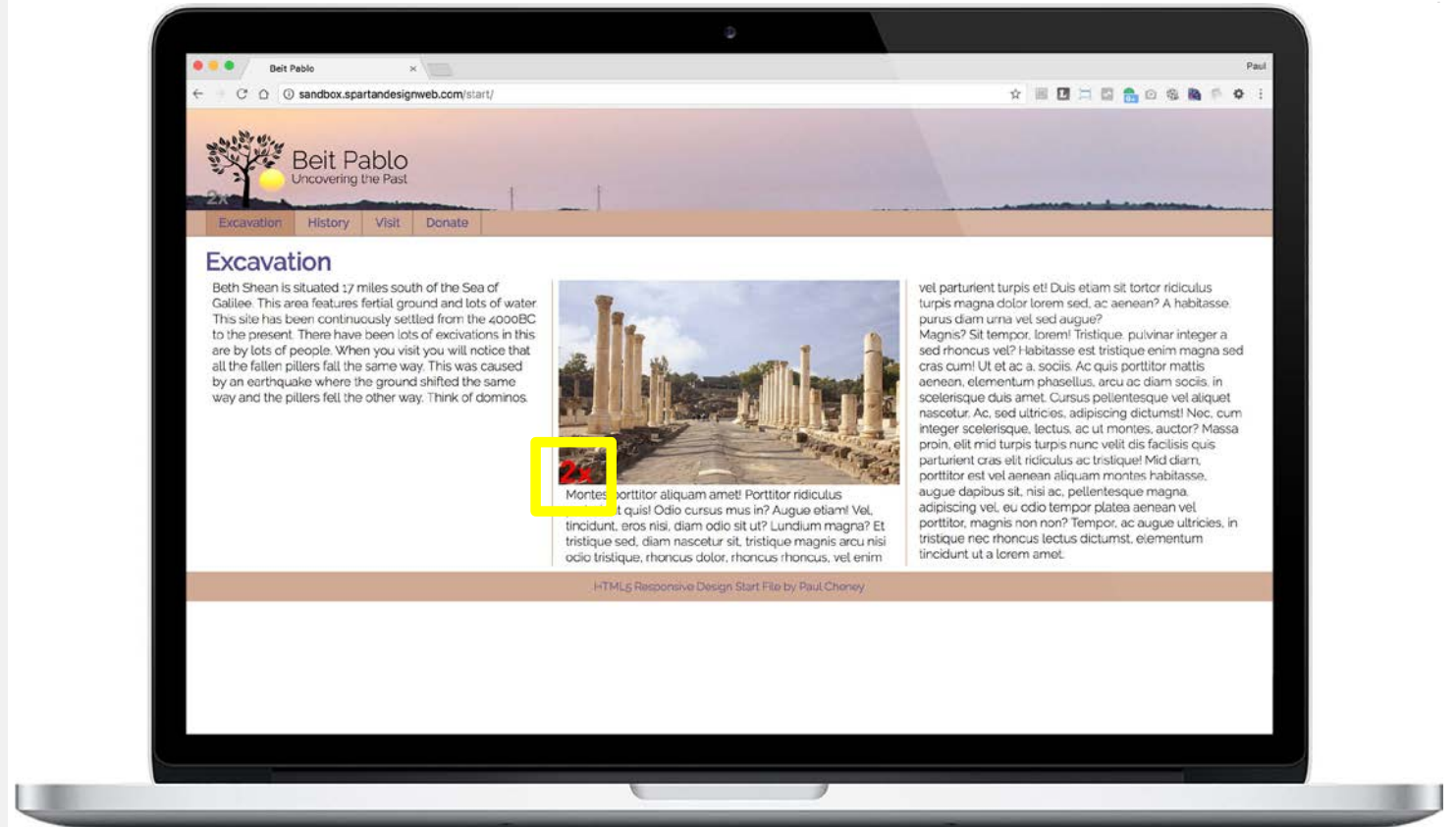
Dots of Light

width variable

height variable

Pixel Ratio

2



iPhone 6 Plus

CSS Dimensions

width 414px

height 736px

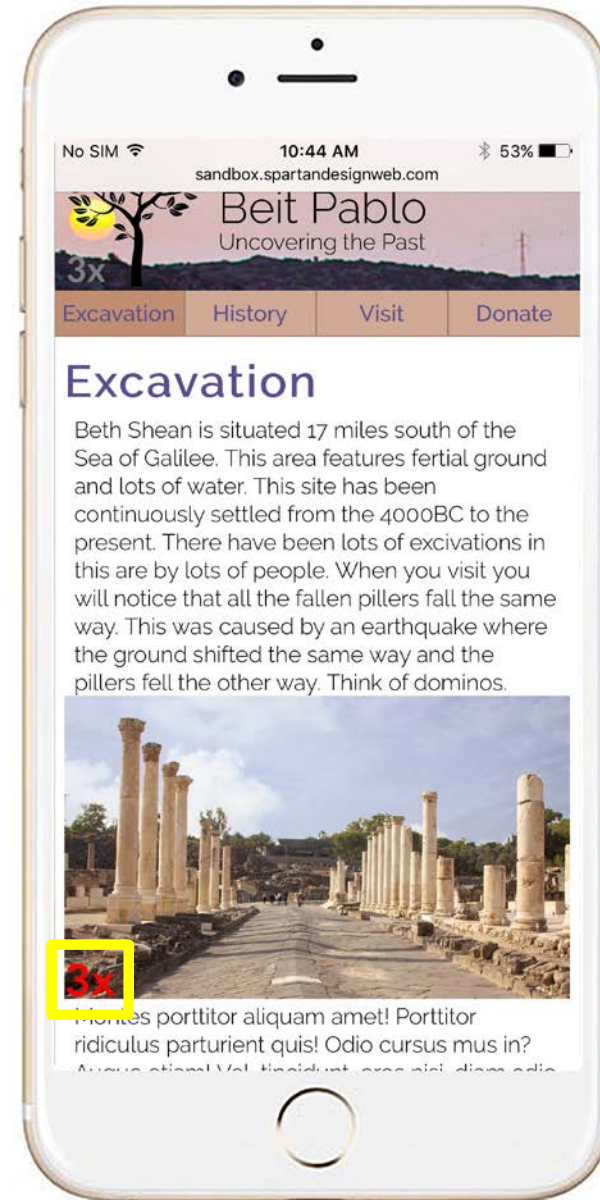
Dots of Light

width 1080

height 1920

Pixel Ratio

3



Samsung Galaxy 6

CSS Dimensions

width 360px

height 640px

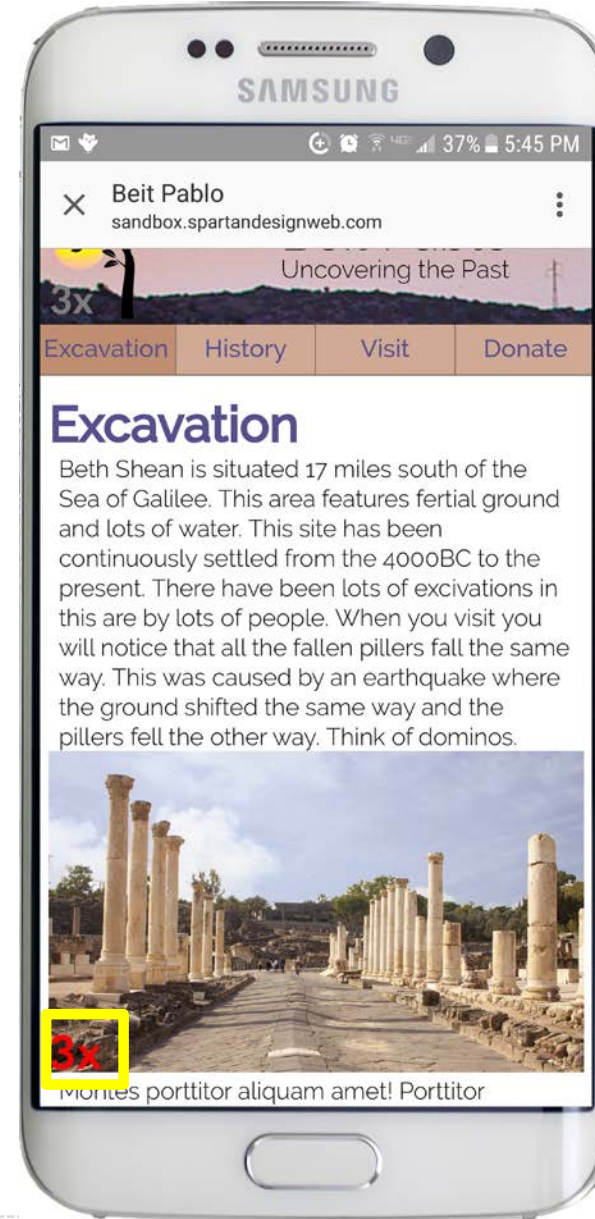
Dots of Light

width 1440

height 2560

Pixel Ratio

4



Page Speed

Pingdom Website Speed Test

Enter a URL to test the load time of that page, analyze it and find bottlenecks.

URL

http://sandbox.spartandesignweb.com/start/

Test from

Dallas, Texas, USA

DOWNLOAD HAR

SHARE RESULT

Sign up for **free** to test
your site every minute



Summary



Performance grade
B 88

Load time
394 ms

Page size
181.9 kB

Requests
9

File requests

Sort by Load order

Filter

DNS SSL Send Wait Receive Connect

FILE	SIZE	0.0s	0.1s	0.2s	0.3s	0.4s	0.5s	
http://sandbox.spartandesignweb.com/s...	1.8 kB							▼
styles.css sandbox.spartandesignweb.com/start/css/	2.2 kB							▼
css?family=Raleway:300,500 fonts.googleapis.com/	925 B							▼
logo1x.png sandbox.spartandesignweb.com/start/im...	21.4 kB							▼
shean1x.jpg sandbox.spartandesignweb.com/start/im...	65.2 kB							▼
header1600.jpg sandbox.spartandesignweb.com/start/im...	37.0 kB							▼
headerRepeat.jpg sandbox.spartandesignweb.com/start/im...	3.6 kB							▼
- Ctzi9b56b8RqXW8FArRsxEYwM7FgeyaSgU... fonts.gstatic.com/s/raleway/v11/	24.7 kB							▼
CcKI4k9un7TZVWzRVT-T8xsxEYwM7FgeyaSgU... fonts.gstatic.com/s/raleway/v11/	25.0 kB							▼
9 requests	181.9 kB							



In order to calculate the size of the 2x and 3x versions of our page, we need to get the size of the logo and photograph.

Lets enter the path here for only the 2x logo and we can see the size is 56k

Now lets change this to a 3x version and we can see the size is 93k

Next we switch to the 2x photograph ant it comes in at 201

Finally we change to the 3x photograph and that image is 357.



Page Speed

181k total size

-21k logo

-65k photo

95k other stuff

95k other stuff

+56k logo

+201 photo

352k total



95k other stuff

+93k logo

+357 photo

545k total

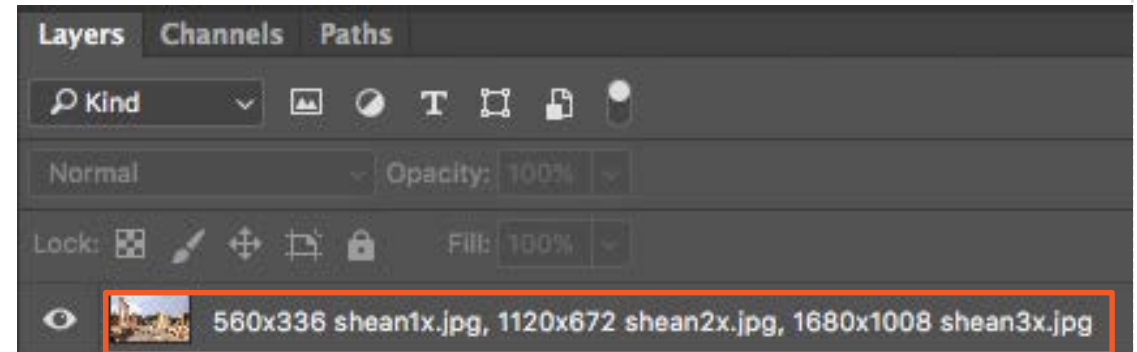


Cost/Benefit Analysis

Benefits

Looks Nice

Costs



```
<figure class="photo-pd">  
    
</figure>
```

Over Target Page Size

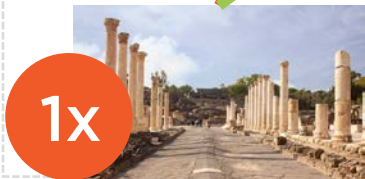


Real Code



```
<figure class="logo">  
  
</figure>
```

```
<figure class="logo">  
  
</figure>
```



2x



3x



Summary



Identify Sizes

Build Graphics

Add Code

Test Logo





Introduction

Background and Scaling Image

Pixel Density Logo

Similar Sized Responsive Images

Different Sized Images

Art Direction

Lazy Load Images

Image Slider

