CSS3 Transitions
This is the Fade Demo

CSS3 has provided us with a number of new transition effects that were previously only possible with Javascript. CSS3 transitions are effects that let an element gradually change from one style to another.

In this demo I show you one of my favorites, the cross fade. Start with two images the same size. For this demo, I'm using the same image just making one black and white and the other color. They are stacked on top of each other using positioning rules, with the color image at 0 opacity (transparent). Our fade will start with the black and white in view. The hover will initiate the fade to bring the color image in to full opacity over a duration of 1 second. Moving off the hover will return the image to full transparency so the black and white version will be in view.

Let's do it!

Open the starting file in your text editor and add the following code inside the <body>

```
<figure id=fade>
<img class=top src="golden_gate_bw.jpg" alt="b_white gate">
<img class=bottom src="golden_gate_color.jpg" alt="color gate">
</figure>
```

We are using the id fade and classes for top and bottom so we can very specifically target our html elements with styles.

Once you insert the images You'll see them stacked vertically. But we want them to overlap so we will add positioning styles to do this.

First set the #fade. This is our id for the <figure> and we'll set its position to relative. This will establish the container position so that the color image can be precisely aligned over top.

```
#fade{
position:relative;
```

Now we'll set the position of the b/w image which has a class of .top

```
figure img.top {
position:absolute;
left:0;  (This aligns the upper left corner of the image to the upper left corner of the
figure container and the color image slides up under it.
```

The code below sets the b/w image to fully opaque and also specifies how it will react in the transition. It will transform over a 1 second period when triggered with the hover and back to opaque when hover action is removed. In doing this the color image under it will be revealed. This is called a cross-fade.

```
opacity: 1;
transition: opacity 1s ease-in-out;
}
```

This style activates the mouse hover action, which will trigger the transition and change opacity to 0 (transparent)

```
#fade img.top:hover {
opacity:0;
}
```