

Challenge: Make one or more of these optical illusions in Scratch

<http://brainden.com/line-illusions.htm#prettyPhoto>

There are a lot of great static image optical illusions here. Some are a bit harder to do in Scratch but there are some good beginner ones also.

<http://gizmodo.com/5981603/20-optical-illusions-that-might-break-your-mind>

This one has a lot of non-computer illusions. But a couple good static images to look at are the “Anomalous motion illusion” and the “Four circles”.

Also, check out the four moving lines with the square corners called “Our favorite optical trick from last year”. Can you show and hide the squares like in the movie?

<https://www.youtube.com/watch?v=pNe6fsaCVtI>

Cycloid. This one is very popular on Facebook these days. Can you make a Scratch project that shows the effect and then shows how the circles move along lines, like in the movie?

<http://illusionoftheyear.com/cat/top-10-finalists/2013/>

I think the one at the bottom with Road Runner and Coyote is kind of cool. Can you make a Scratch project that lets you add different numbers of circles?

<http://illusionoftheyear.com/2009/the-break-of-the-curveball/>

I’m not sure why looking to the side makes the ball look like it’s curving, but it’s quite a strong effect. Can you figure out how to get the black and white patterns cycling on the ball?

<http://www.telegraph.co.uk/news/newstopics/howaboutthat/3520448/Optical-Illusions-the-top-20.html>

Here is another simple static image one. Can you make this image with all pen drawing?

<http://www.quora.com/Optical-Illusions/What-are-some-great-optical-illusions>

“Silencing awareness of change by background motion”

I thought this was quite an interesting effect. You will want to use cloning.

“The Freezing Rotation Illusion”

I thought this was pretty cool. Not so hard to do in Scratch with two rotating sprites.

<http://illusionoftheyear.com/cat/2014/>

“The Dynamic Ebbinghaus”

This is a classic illusion that is made more exciting with an animation. Can you do it in Scratch?

Pigeon-Neck Illusion

Can you do it in Scratch? You can find out if the bird has to be pixelated to make the effect work.