

On average, human eyes are 2 inches apart. Because of this, each eye sees the world from a slightly different perspective.



Our brain takes the information it receives from each eye and correlates the 2 images to interpret depth and distance.

There is a simple way to force our brain to convert any 2D image we may be looking at into 3D, just like it does in every day life. We can do this by using a pair of glasses where one "lens" is red and the other is cyan, along with a 2D image taken with the same color filters. This is called anaglyph 3D and can be done with a still image or even a video. The two images, one red, one cyan, are overlapped 2 inches apart. When looked at through 3D glasses the brain takes the two images and creates depth and



distance.

Red/cyan 3D glasses can be purchased commercially, but you can make your own at home with simple household items.

Materials:

You will need a

- 2 pieces of paper
- a piece of cellophane
- tape
- scissors
- a red sharpie and a blue sharpie

Now that you have a pair of glasses you need something to look at. A quick Google search for anaglyph 3D will yield an entire library of pictures that others have taken. Also, for a quick look make sure to check out the link below. What is even more fun is to take your own pictures and turn them into 3D. You can find various free apps, including Makelt3D, in your app store.

<https://ourfamilycode.com/wp-content/uploads/2018/10/3D-Art-Workbook.pdf>