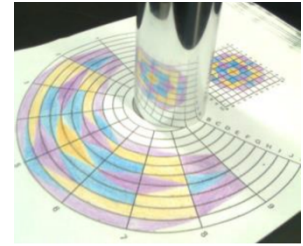


Cylindrical Mirror and Anamorphic Art

The original is the usage of mirroring paper, but nowadays unwrinkled **aluminum foil** can be used as well (But because the images are fuzzier, the observations may not be as clear.)



And a soda or coke can, or any **cylindrical object** that you can cover with the aluminum foil is ok.



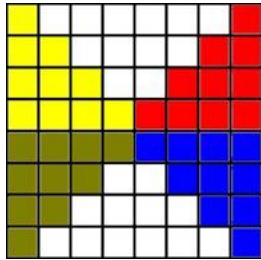
After you create the cylindrical mirror, you may either color an already distorted image (1) or print the polar grid (2) below and create your own anamorphic art.

How it works:

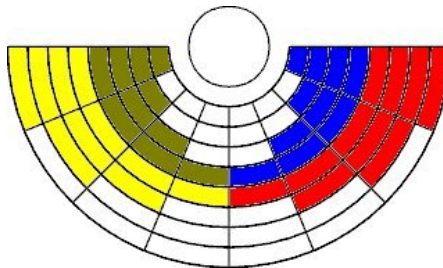
Making anamorphic drawings involves mechanically distorting an image by transferring the image from the *square grid* (the original image) onto a *polar grid*

(distorted grid.

It is a mapping, or a correspondence, between a cartesian set of coordinates, and a polar set of coordinates.



Original Image on the square grid.



Your Anamorphic Art;
Distorted! Image on the polar grid.

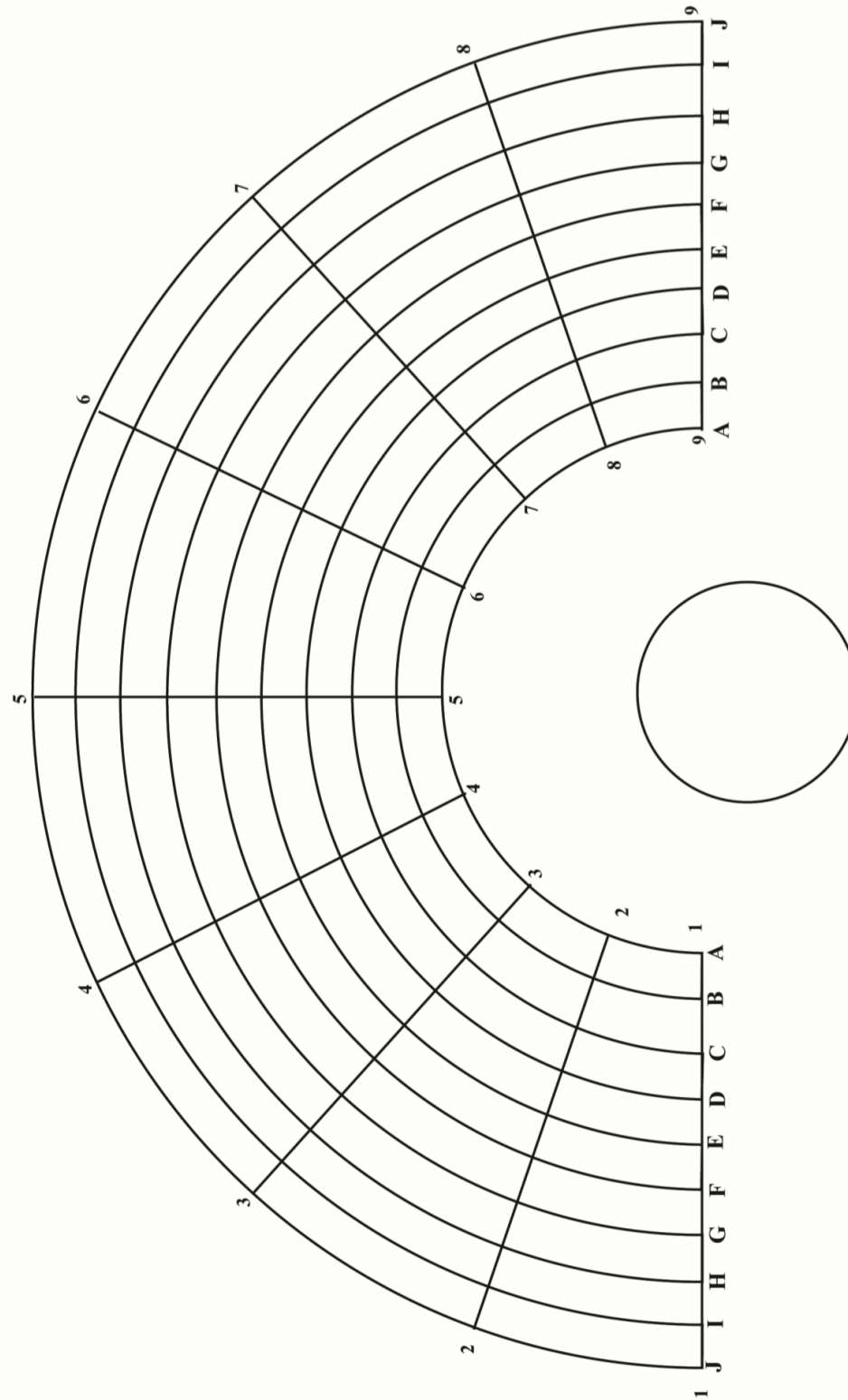
Place your cylindrical mirror on the circle and look into the mirror to see the image restored.

- 1) You may color the distorted image below from makezine.com in that case my sure that the cylindrical shape you will find at home matches the circle at. The center of the paper.

[Link](http://cdn.makezine.com/make/Makey%20bot%20magnifying%20glass%20distorted.pdf) for already distorted Makey Bot image:

[https://cdn.makezine.com/make/Makey%20bot%20magnifying%20glass%20distorted.pdf](http://cdn.makezine.com/make/Makey%20bot%20magnifying%20glass%20distorted.pdf)

2) You can also use this polar grid by printing to make your own drawings;



Resources:

<https://anamorphicart.wordpress.com/2010/04/21/cylindrical-mirror-anamorphoses/>

<https://raft.net/wp-content/uploads/2019/03/278-Anamorphic-Art.pdf>

<https://makezine.com/projects/draw-distorted-pictures/>