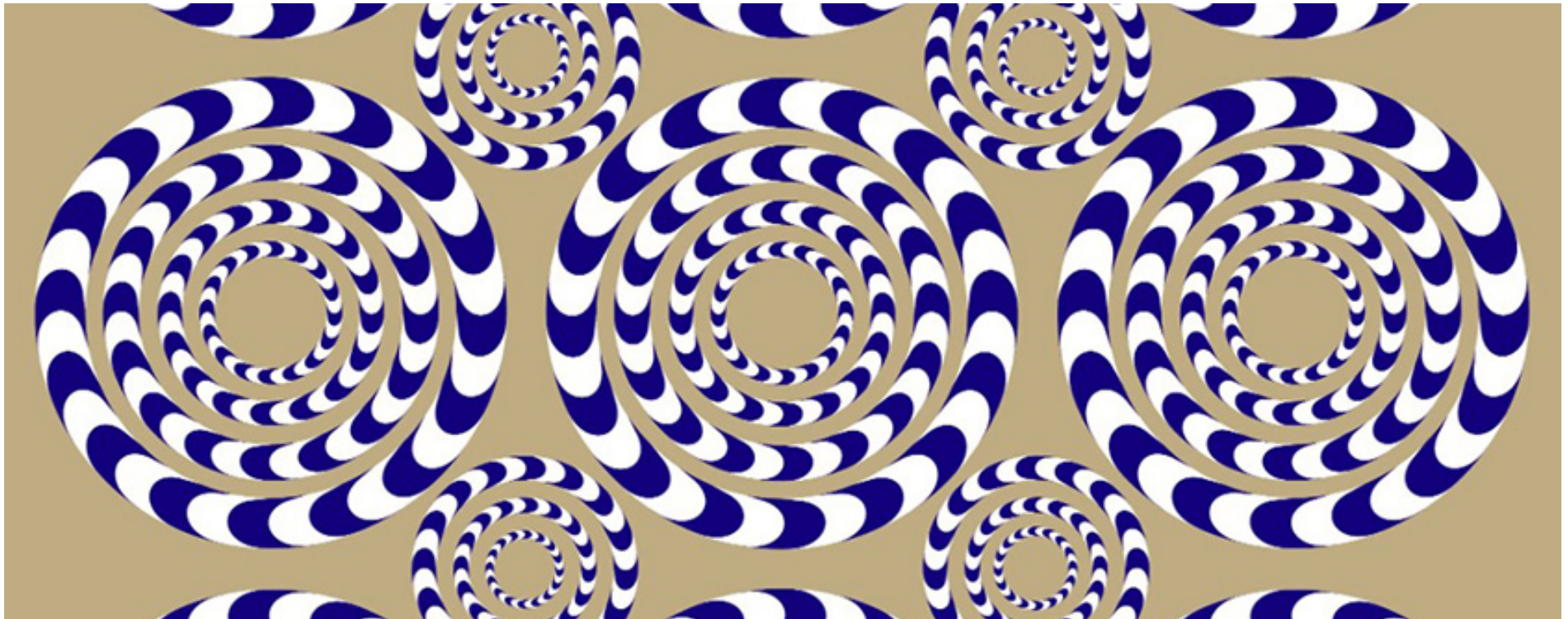


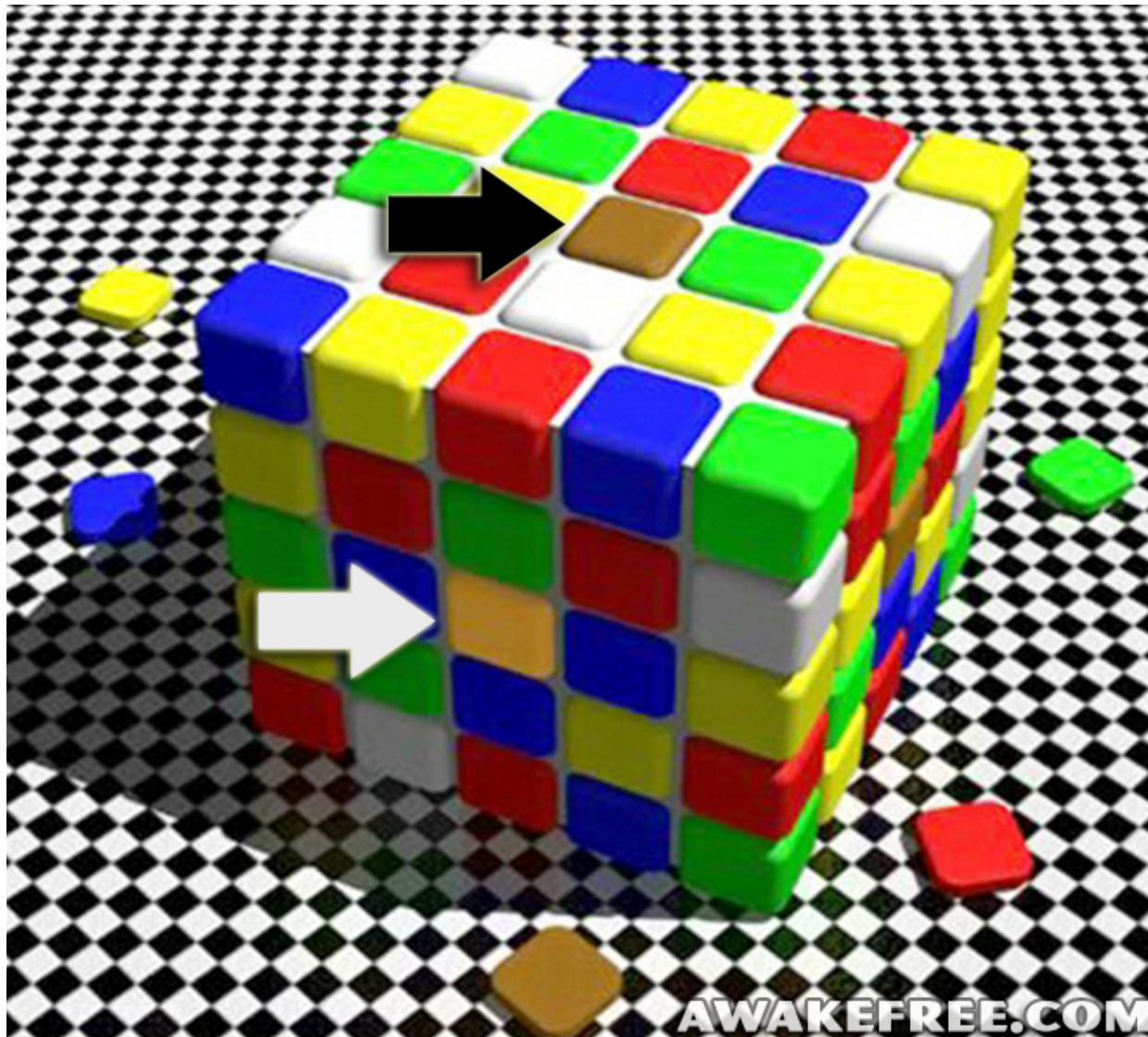
Visual illusions (week 3 visual studies)

how much of what we see is real?

This is why you are doing blind drawing this week!

To get you to really look at what is there as opposed to what you think is there.





Both rubix squares arrowed are exactly the same colour and tone. Check it yourself and cut holes in a piece of white paper. The colour illusion is due to the colours surrounding the squares.

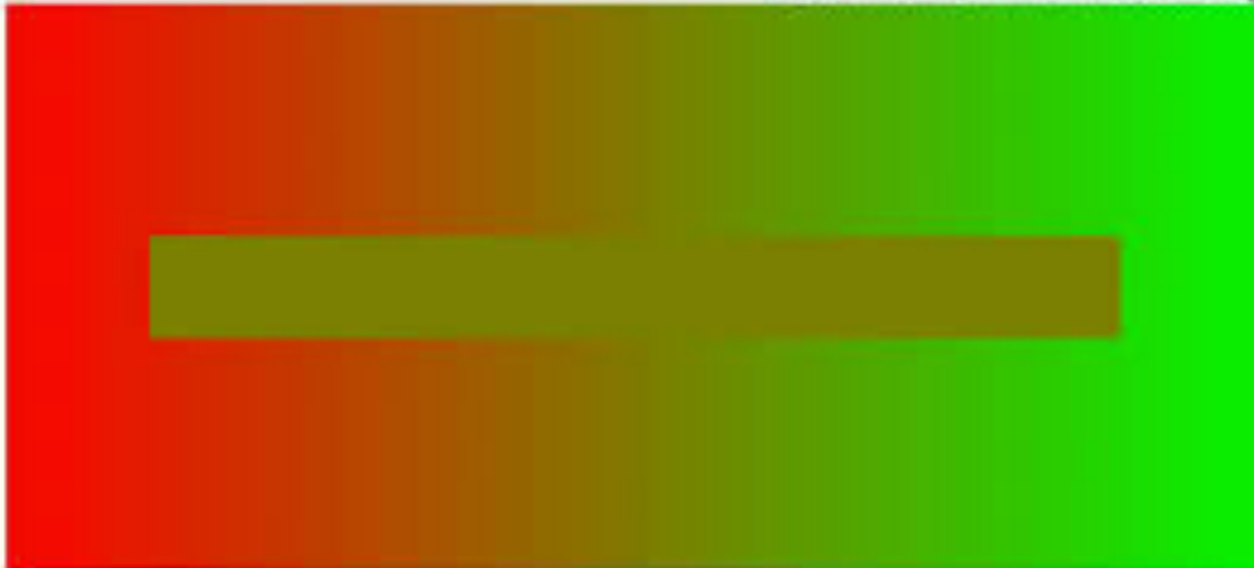
A



B

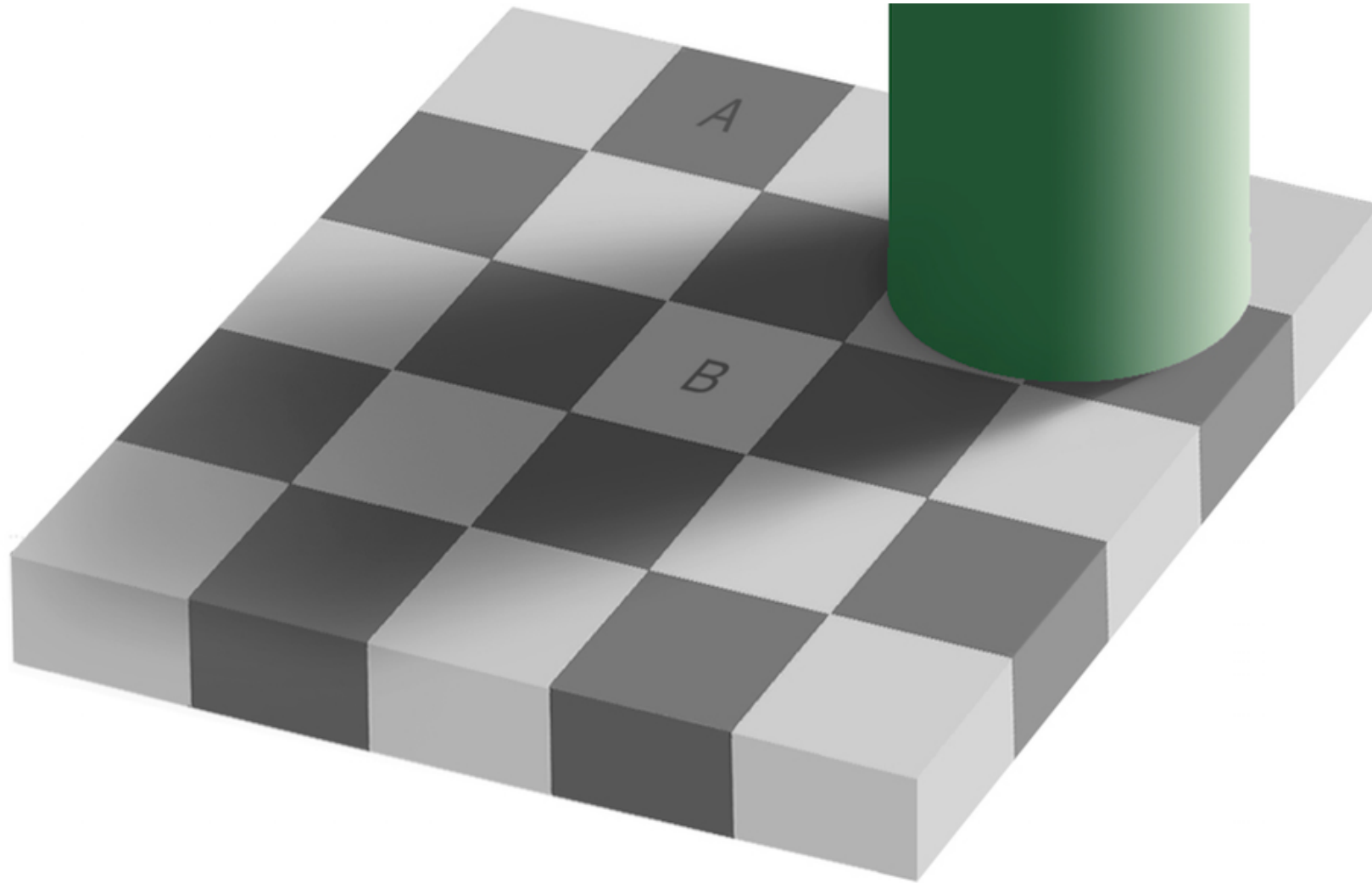


©www.archimedes-lab.org

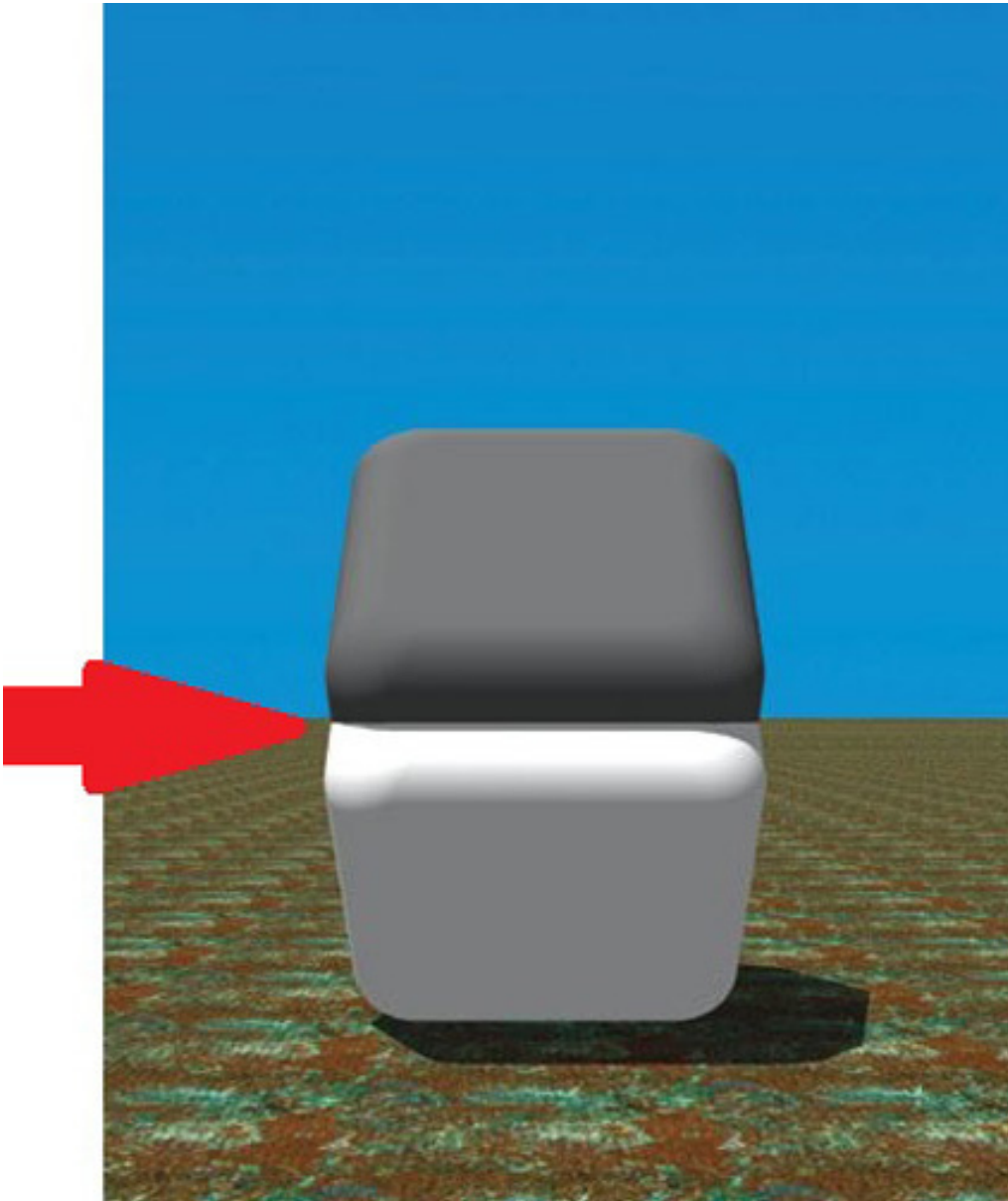


Another example of how background colours give the illusion of altering the colour and tone.

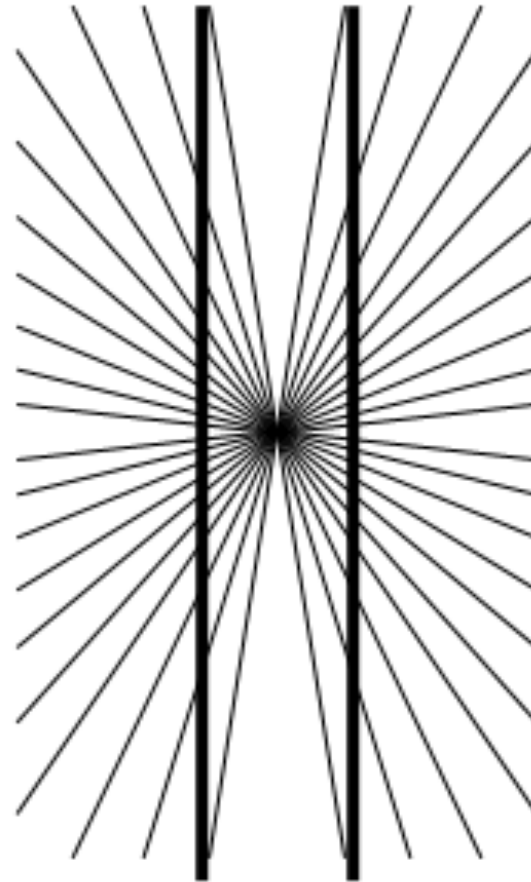
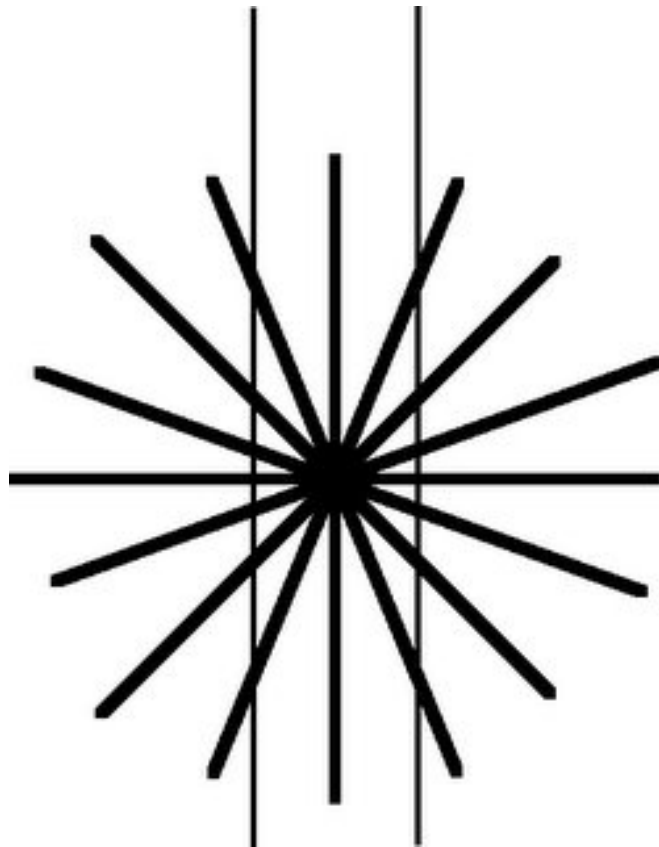
A and B are the same tone
and colour grey



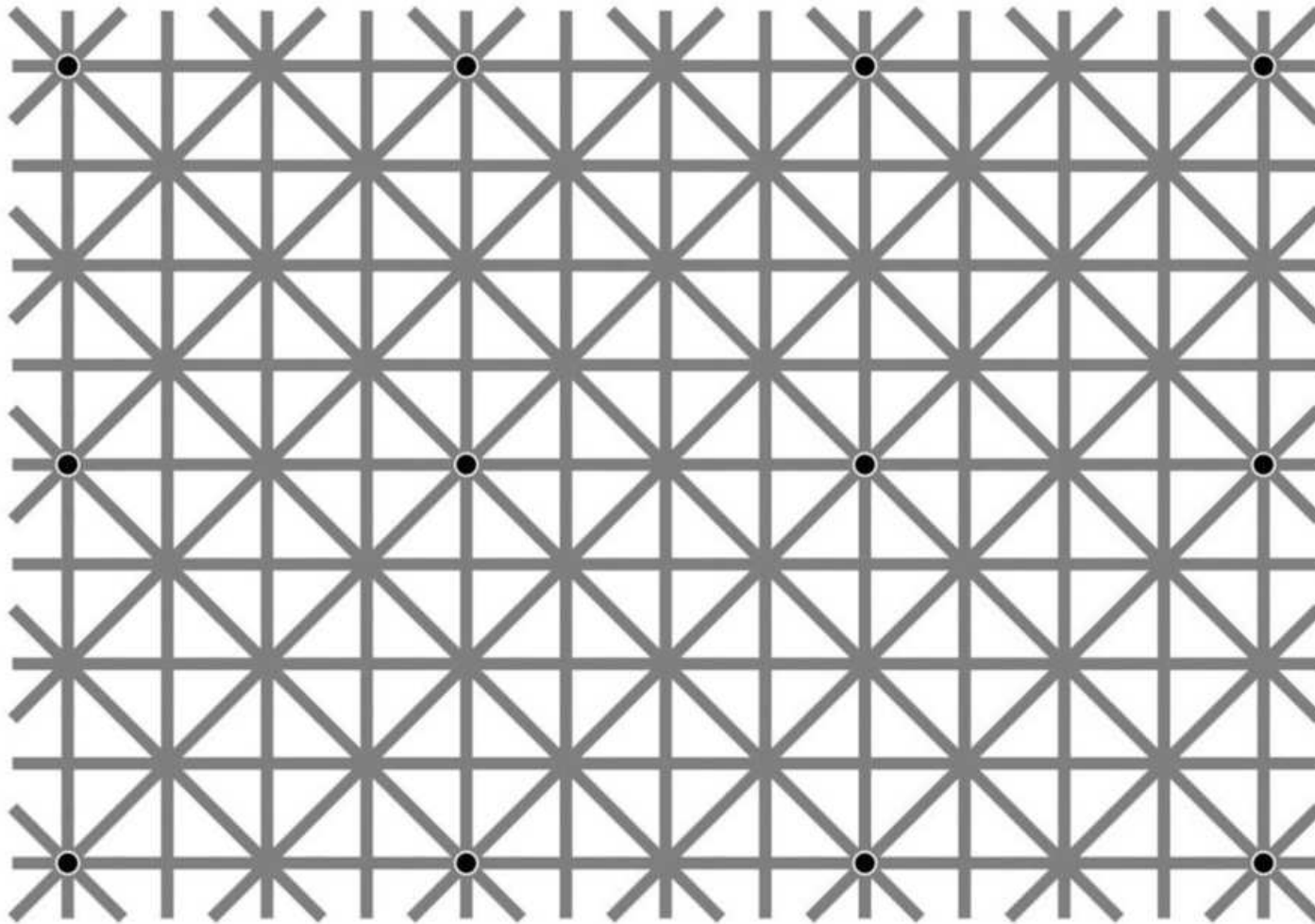
Both the top and the bottom surface are the same colour and tone.

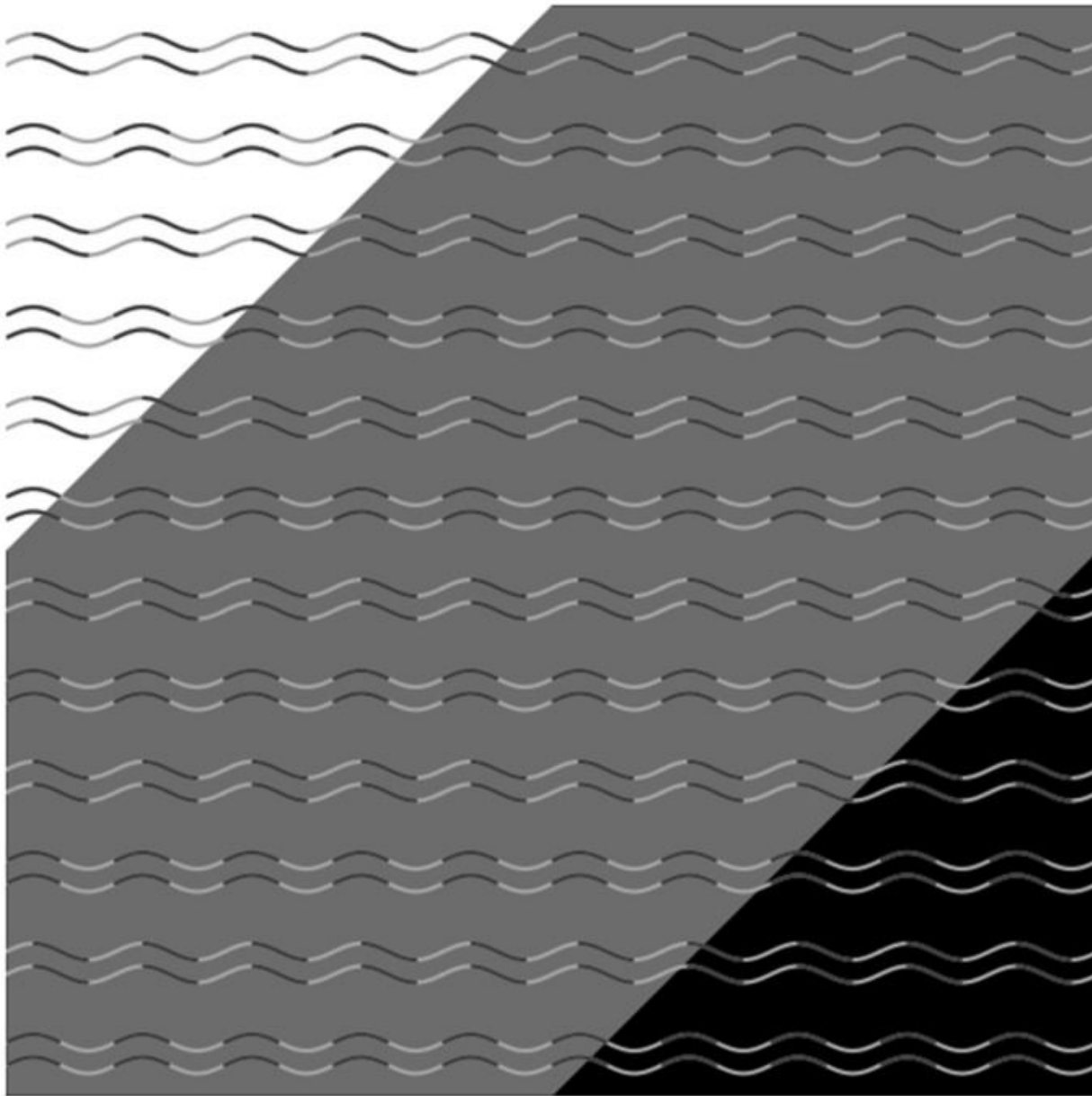


The lines look curved but are parallel.

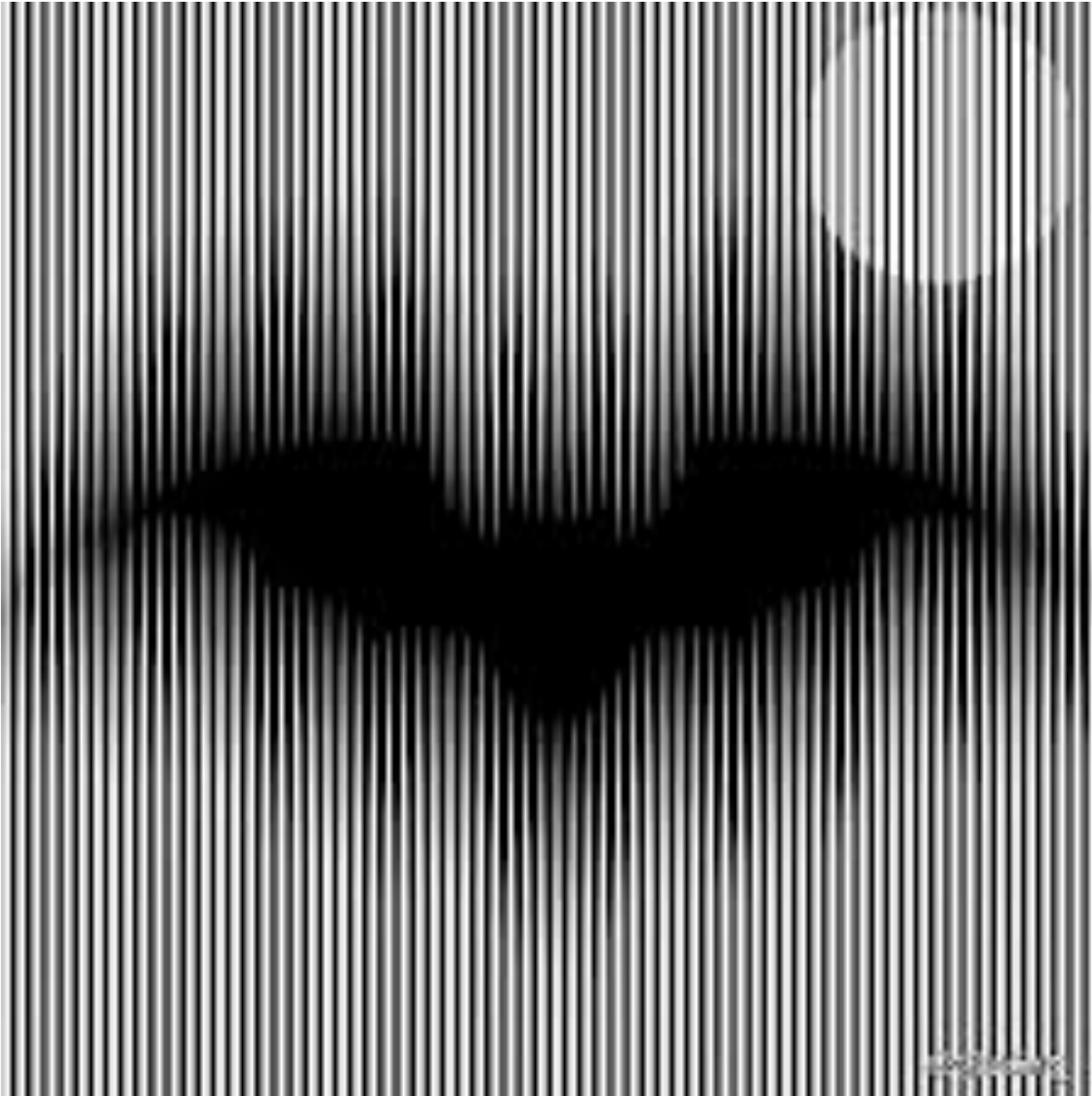


The dots disappear and reappear depending on where you look.

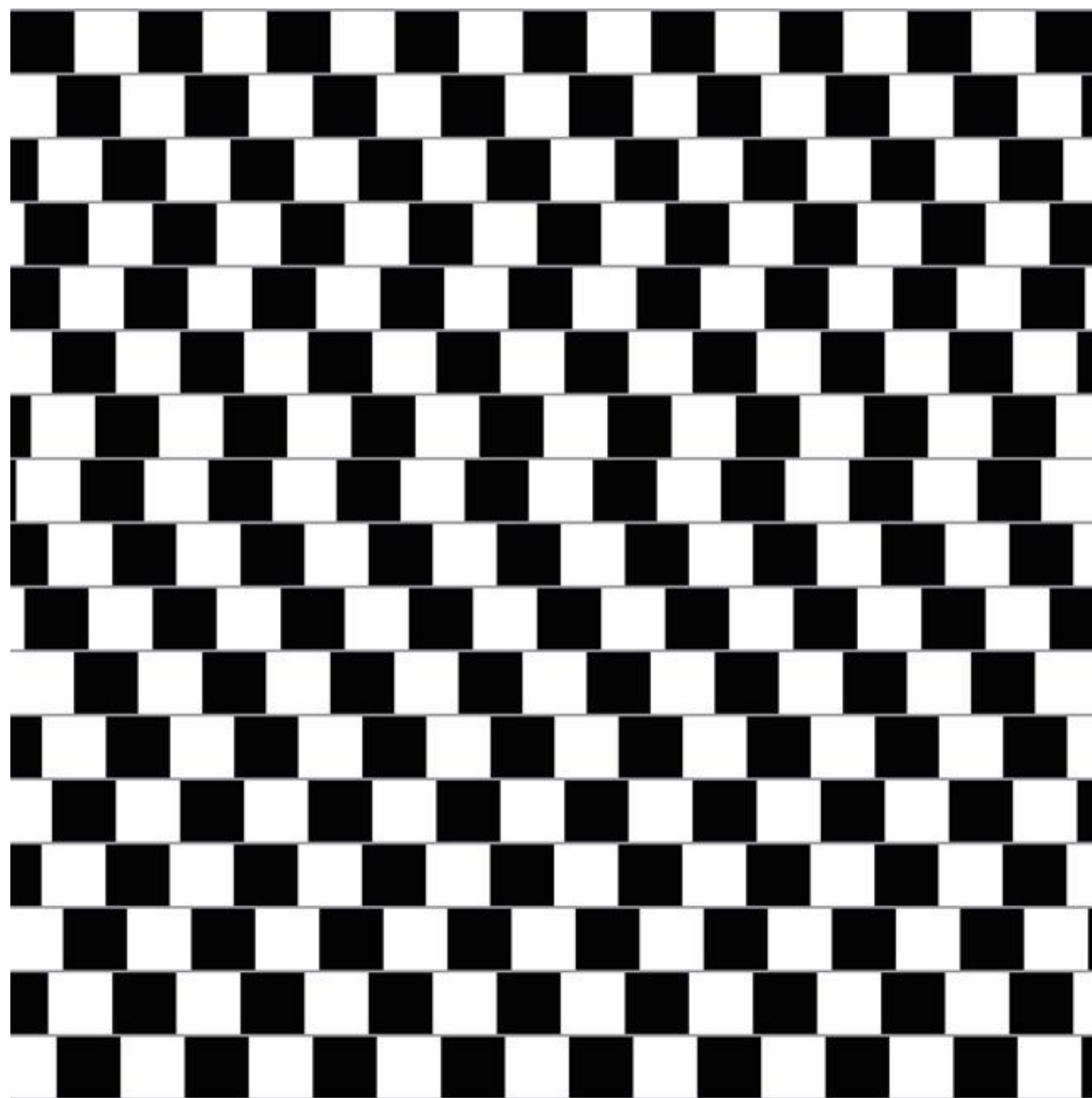




The lines are the same, see top left corner. The tone and position of the shading changes the shape of the line dramatically.

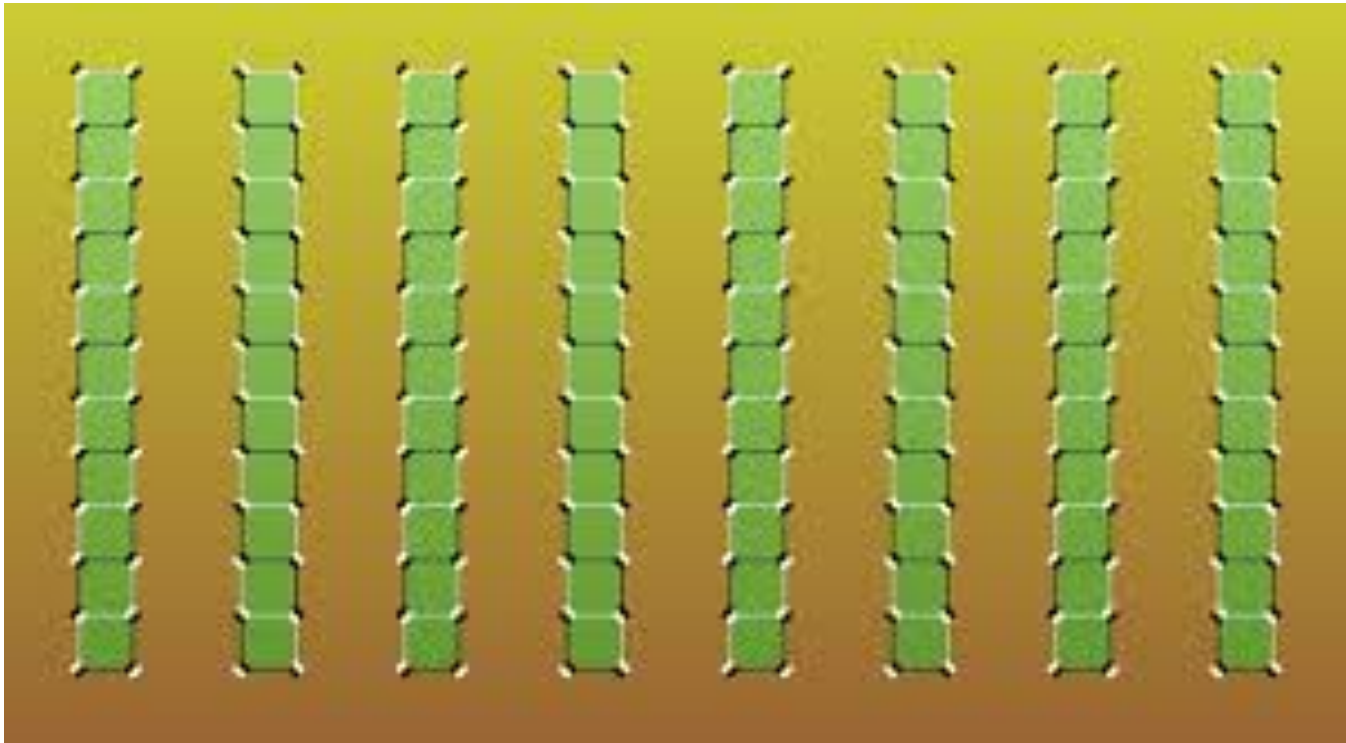


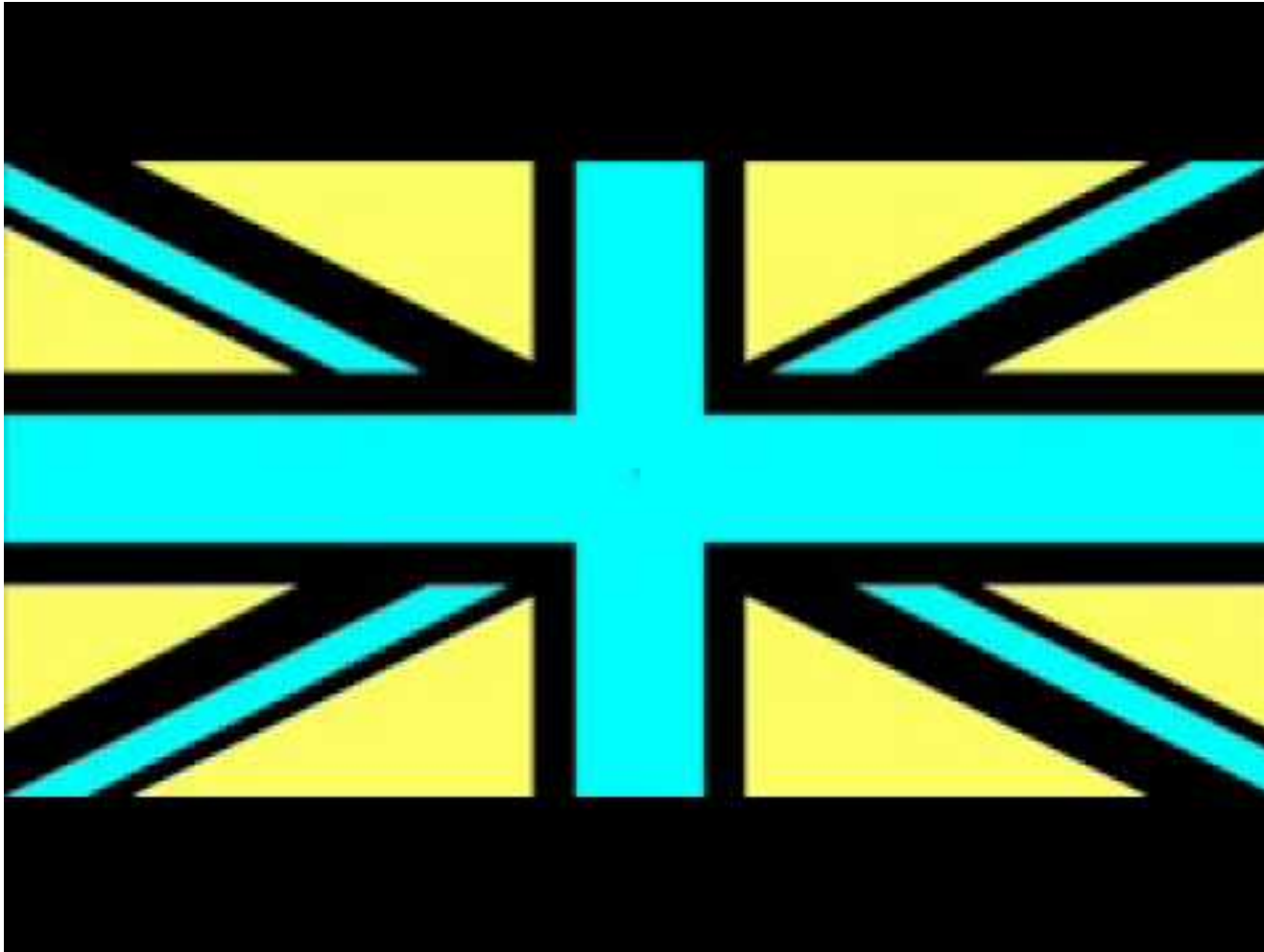
The bat appears to move towards you.



Amazingly these lines are parallel

Why are they moving?





Stare at this image for one minute then look at a white blank sheet of paper. What do you see? The after image shows the opposite colours on the colour wheel.

Ruck



Drawn by W. E. Hill

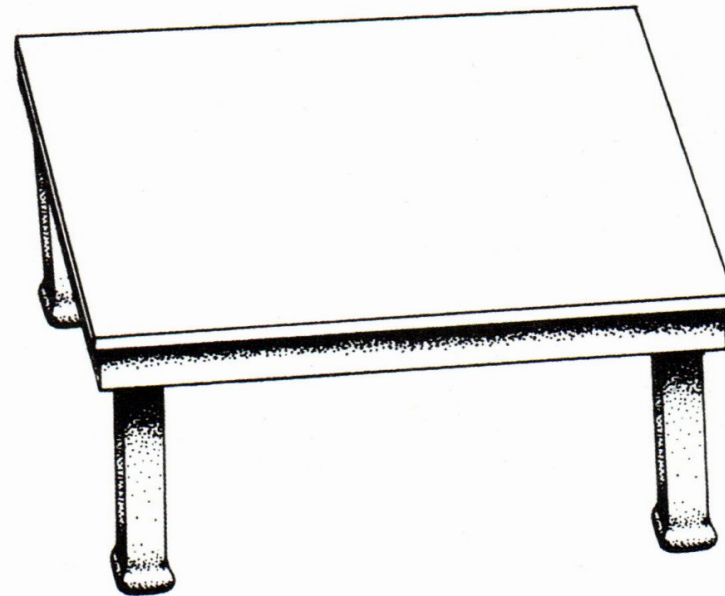
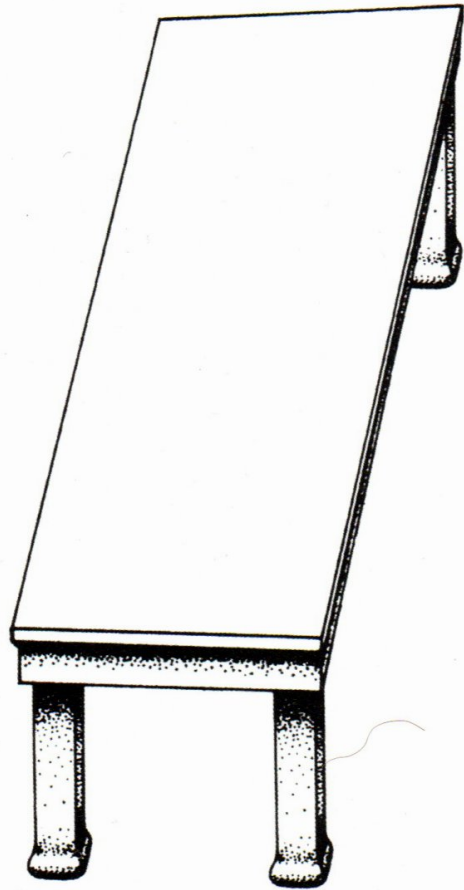
MY WIFE AND MY MOTHER-IN-LAW
They are both in this picture — Find them

What do you see an old lady or a young woman?



Amazingly all the cars are exactly the same size!! It is an illusion
Check them, I had to!

These visual illusions are fun and
you can use the techniques in
your own work.
Research how they work in your
own time if you are interested.



The table tops in both of these images are exactly the same size. Trace over one and super impose it on the other or measure them.

This is why we sometimes have to check and recheck if drawing accurately.

[Http://www.theinvisiblegorilla.com/gorilla_experiment.html](http://www.theinvisiblegorilla.com/gorilla_experiment.html)

Take a look at this video by Christopher Chabris and Daniel Simons.
There is also a lot to look at on their web site

Another book to look at is 'Incredible visual illusions' by Al Seckel. Quite a few of the illusions in this presentation are featured in the book. There is lots to research out there if you are interested, these few images in this Power Point pdf are just a taster.