OP ART

and the Elements of Art

Looking at the way shapes, colors and lines can create illusions.

The way shapes line up
with each other can give the
illusion of a new shape.

Victor Vasarely

One of the first artists to experiment with this idea
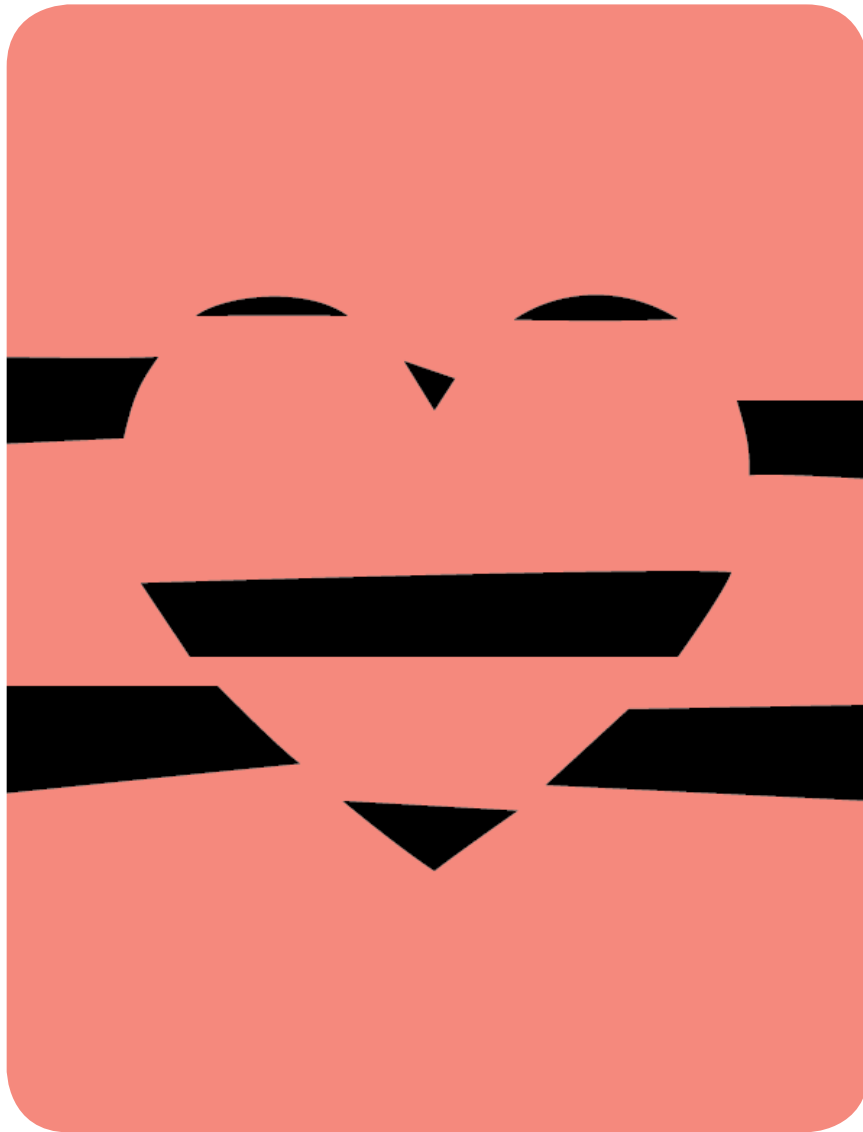is the Hungarian artist Victor Vasarely.

Click on the link to see a work of art by Victory Vasarely.
Can you see that the zebras are not created by line,
but by the way the shapes are arranged?

Op Art in Logos

Many companies like to use this type of optical illusion in their logos.

Can you find where an implied contour has been used to make a circle in the mock logo?

You can see a heart in the image on this page, but the heart is not drawn. This illusion is call an implied contour. It is a virtual heart.
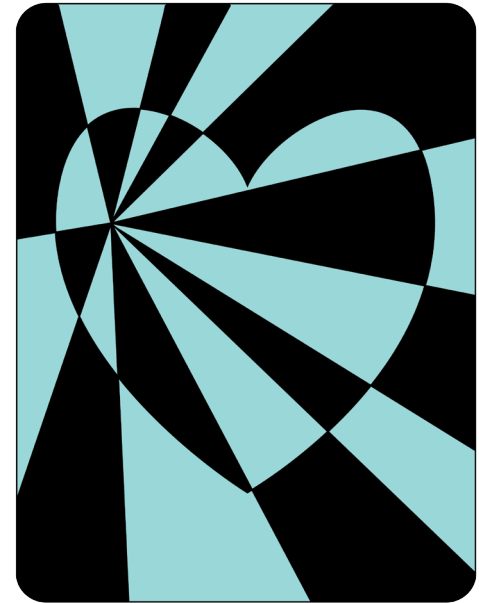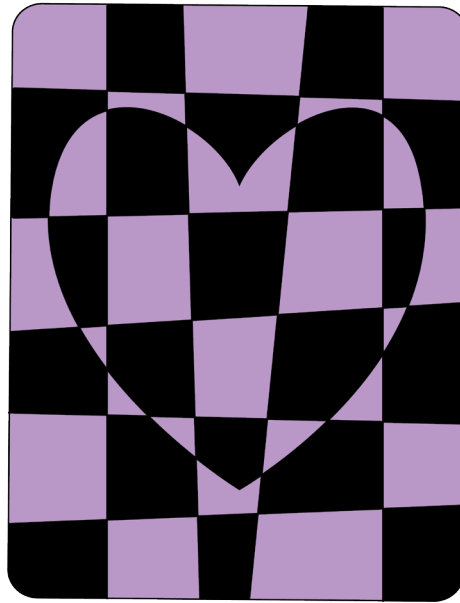
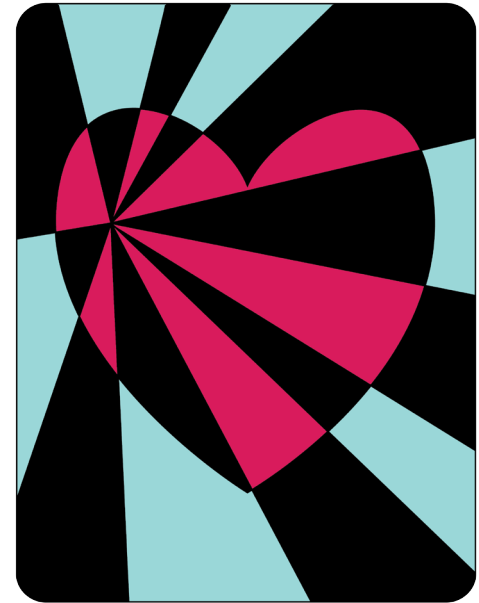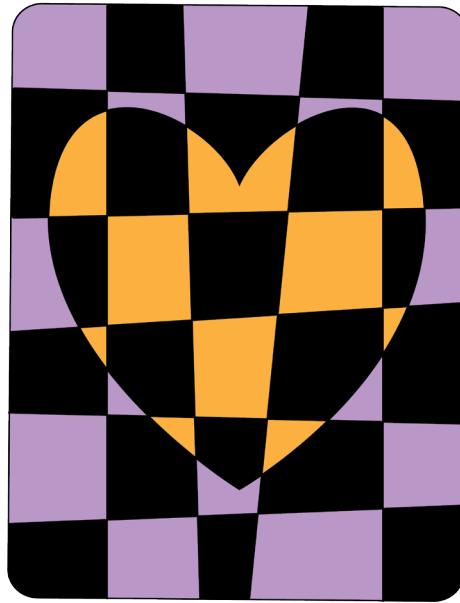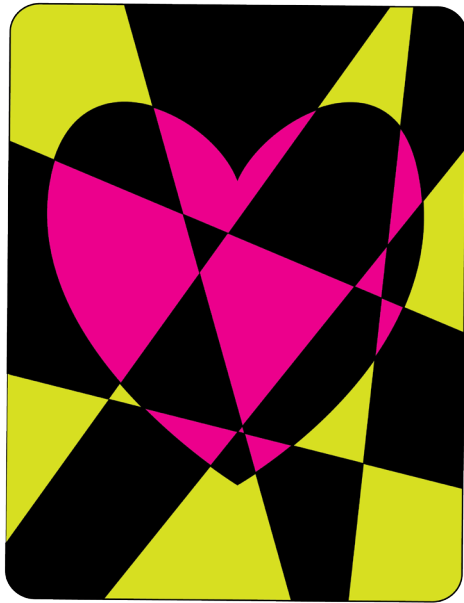This illusion uses parts of the negative and positive heart shapes.
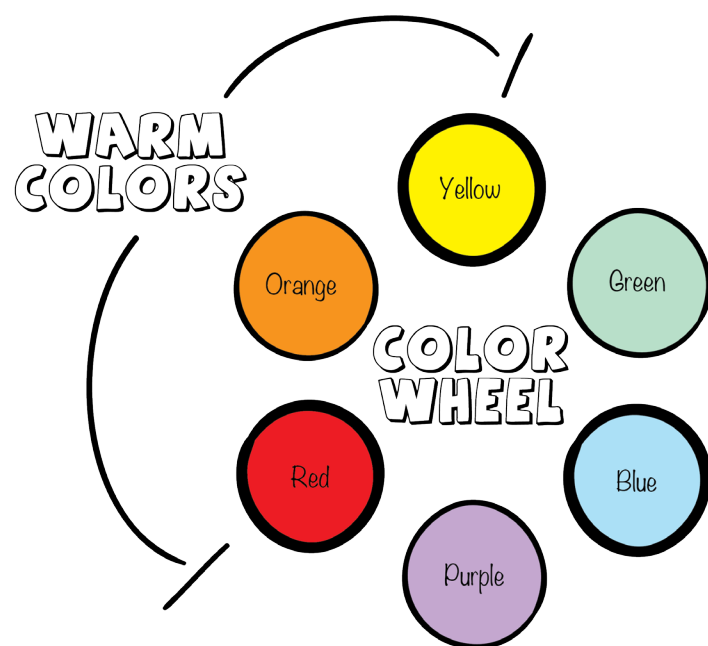
Negative   Positive

The implied contour of a hearts can be seen in these designs.

What happens when warm colors are used on the hearts and cool colors are used in the background?
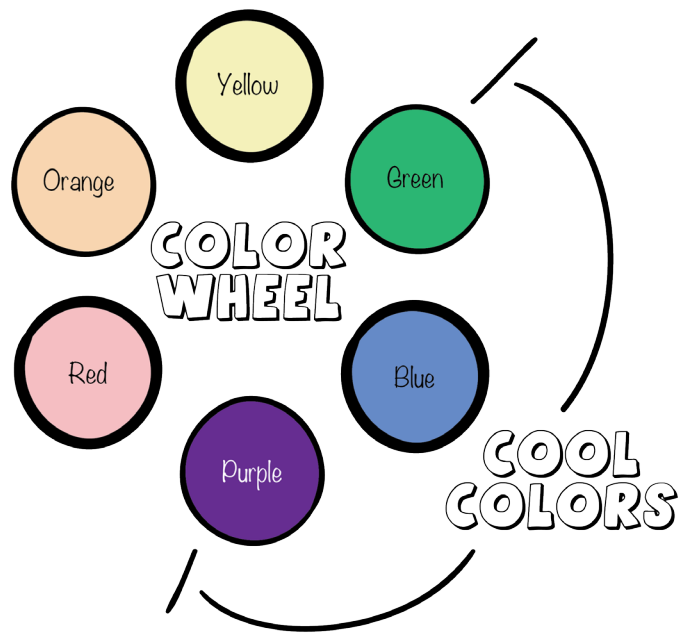
Warm Colors

WARM COLORS

COLOR WHEEL

Yellow

Orange

Green

Red

Blue

Purple

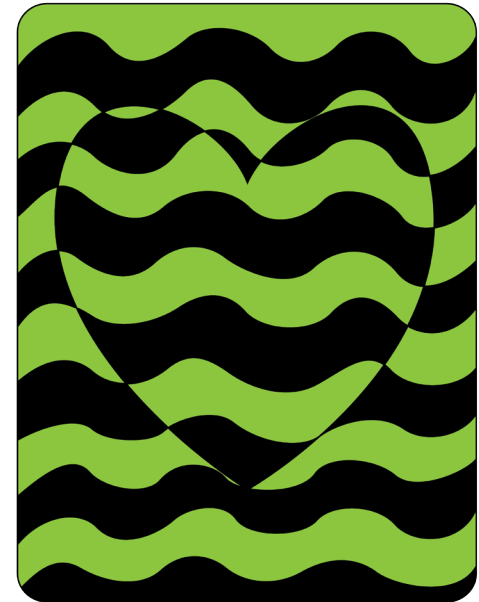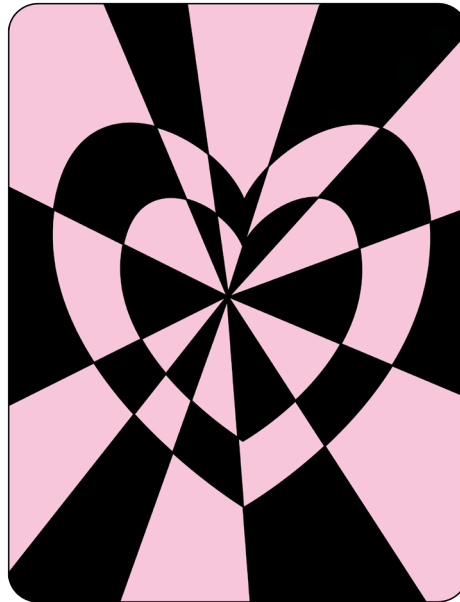Red, Yellow and Orange (along with tints and shades, like brown). They remind us of fire or of summer.

Warm colors can appear to move forward, closer to the viewer.

Cool Colors

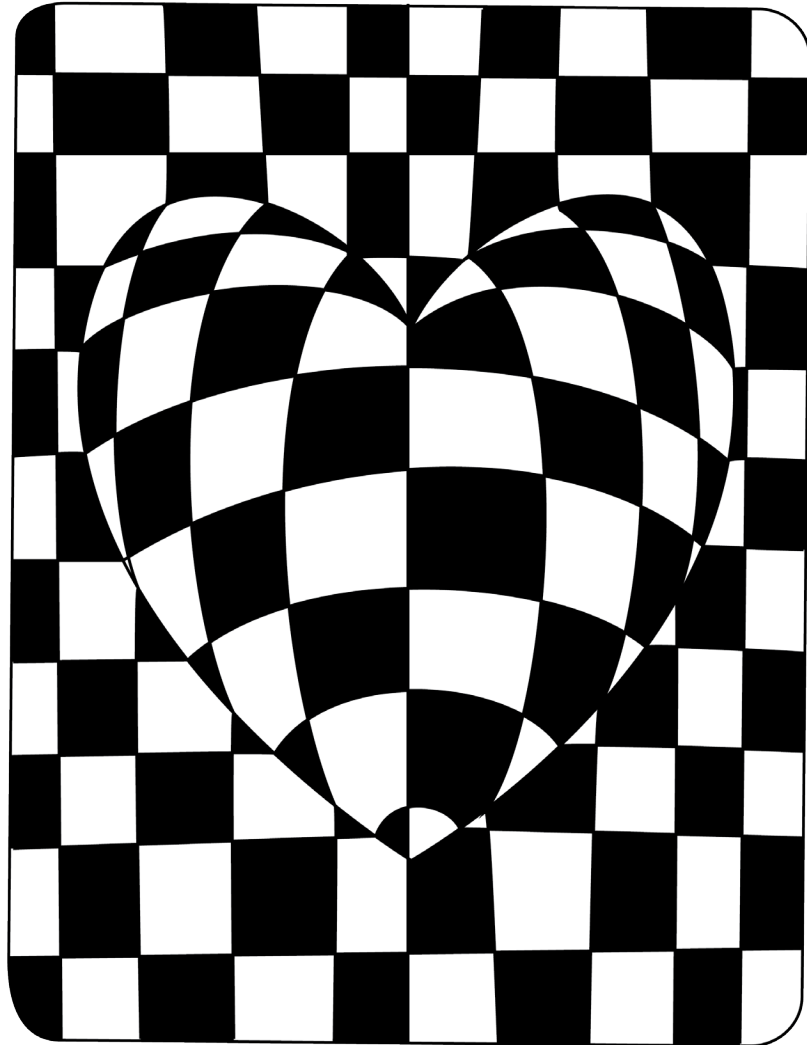Blue, Purple and Green. They remind us of a cool shady spot, or of winter.

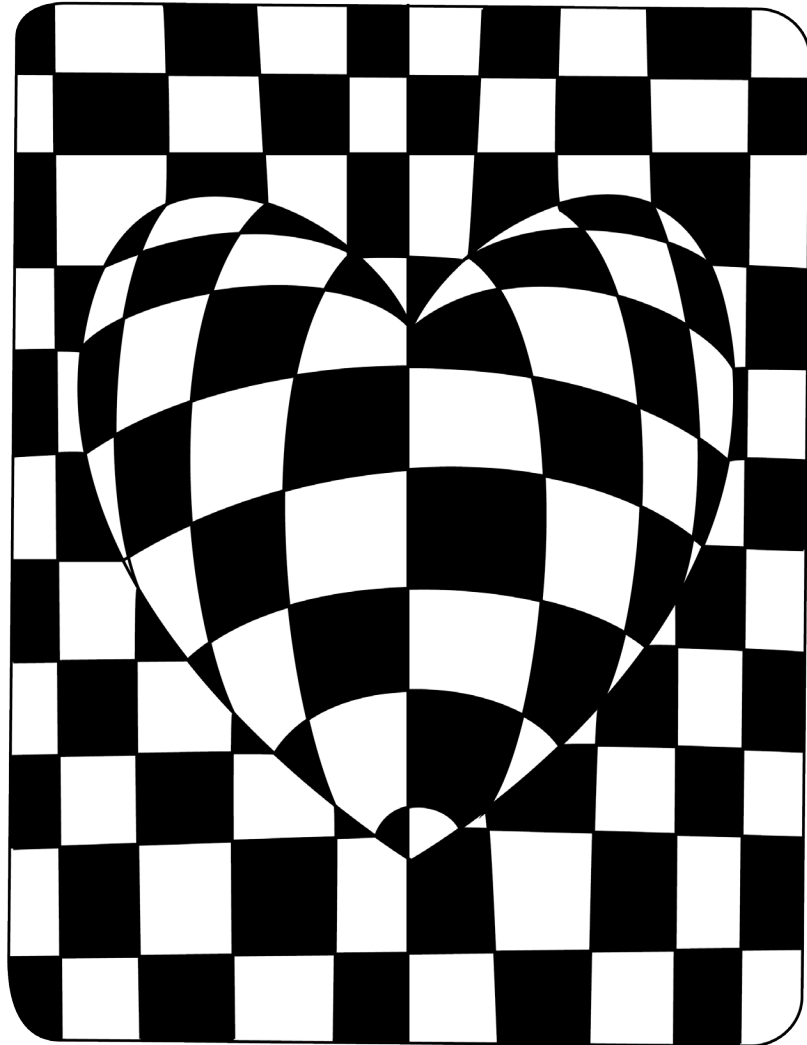Cool colors can appear to recede, or move away from the viewer.

Here are some more designs with illusory contours of hearts.
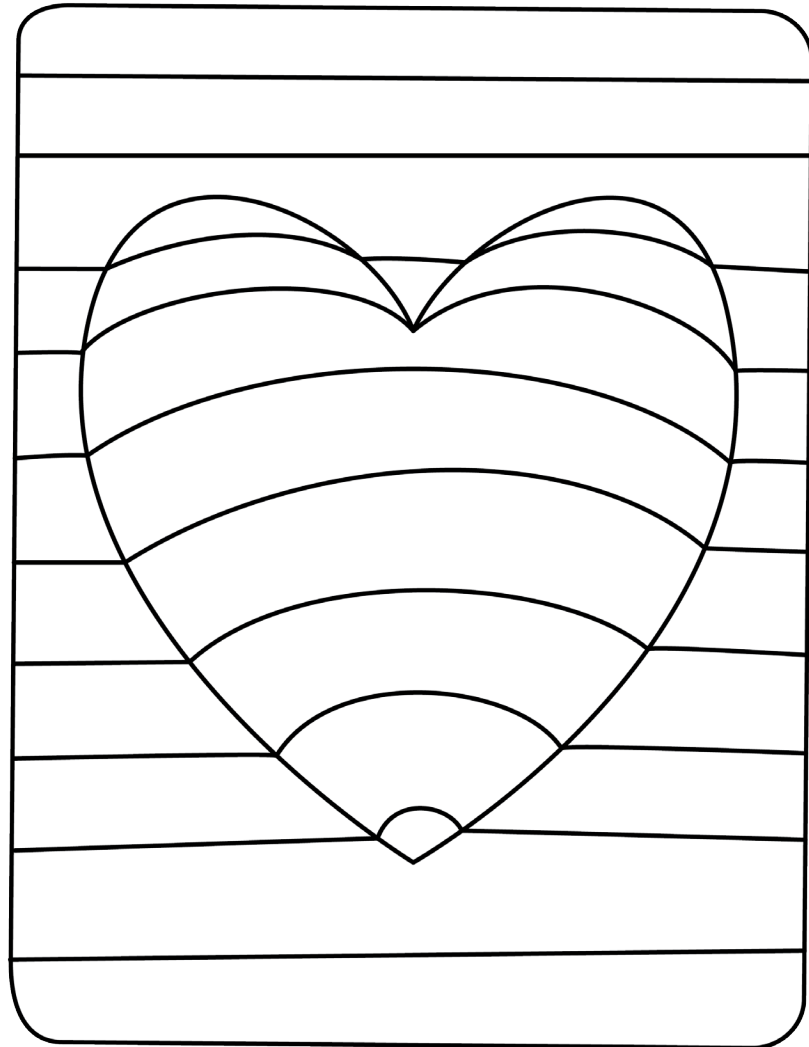The center design has 2 hearts.

Can you see the heart appear to move forward when warm colors are used on the hearts and cool colors are used in the background?

This heart adds one more illusion to the mix. It has an implied contour. But is also looks 3D because of the curved lines on the heart.
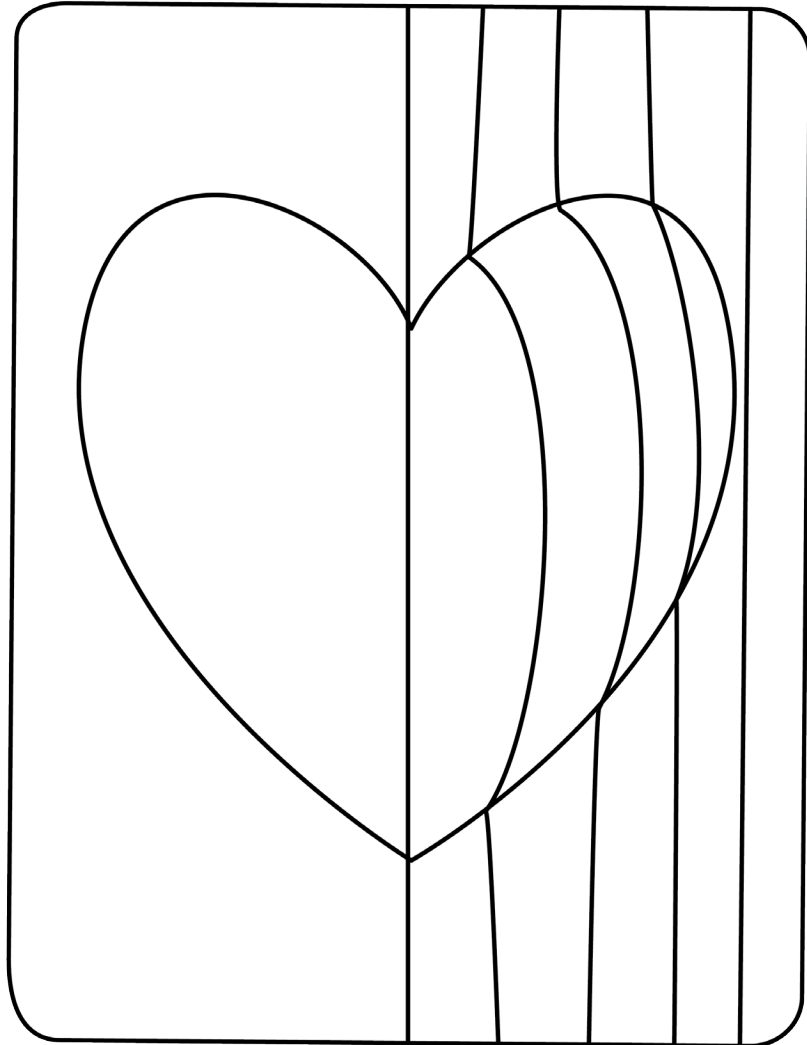
Let's take a step-by-step look at what is making this illusion.

The horizontal lines are curving up inside the heart.
This makes it look like the heart is bulging towards us and that we are viewing the heart from below.
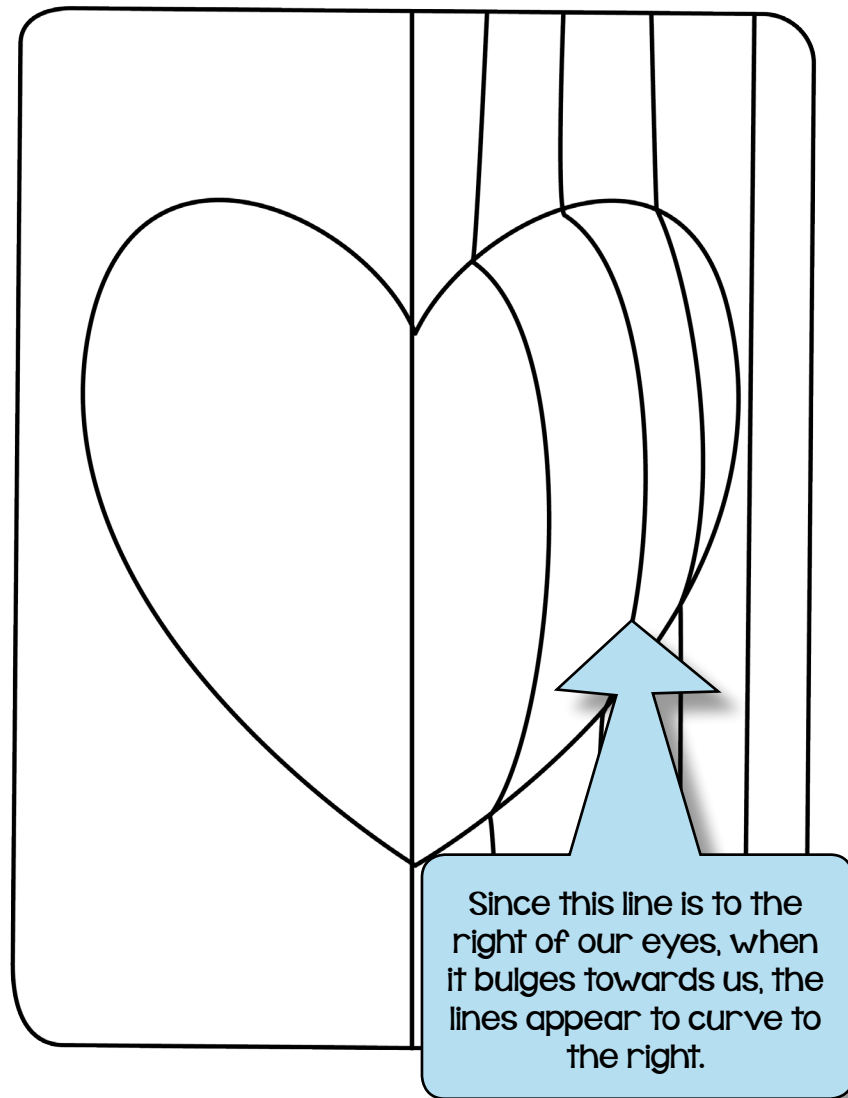
The curved vertical lines, right of the center line, make it look like the heart is bulging towards us and that our eyes are lined up with the center line.
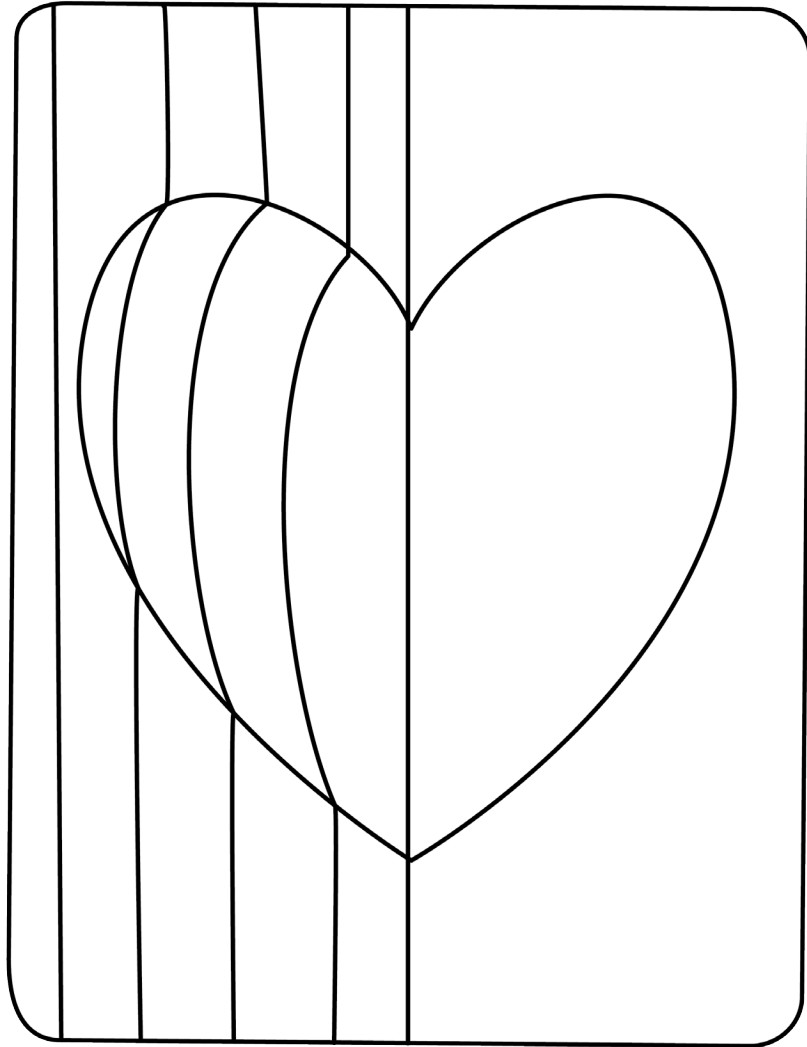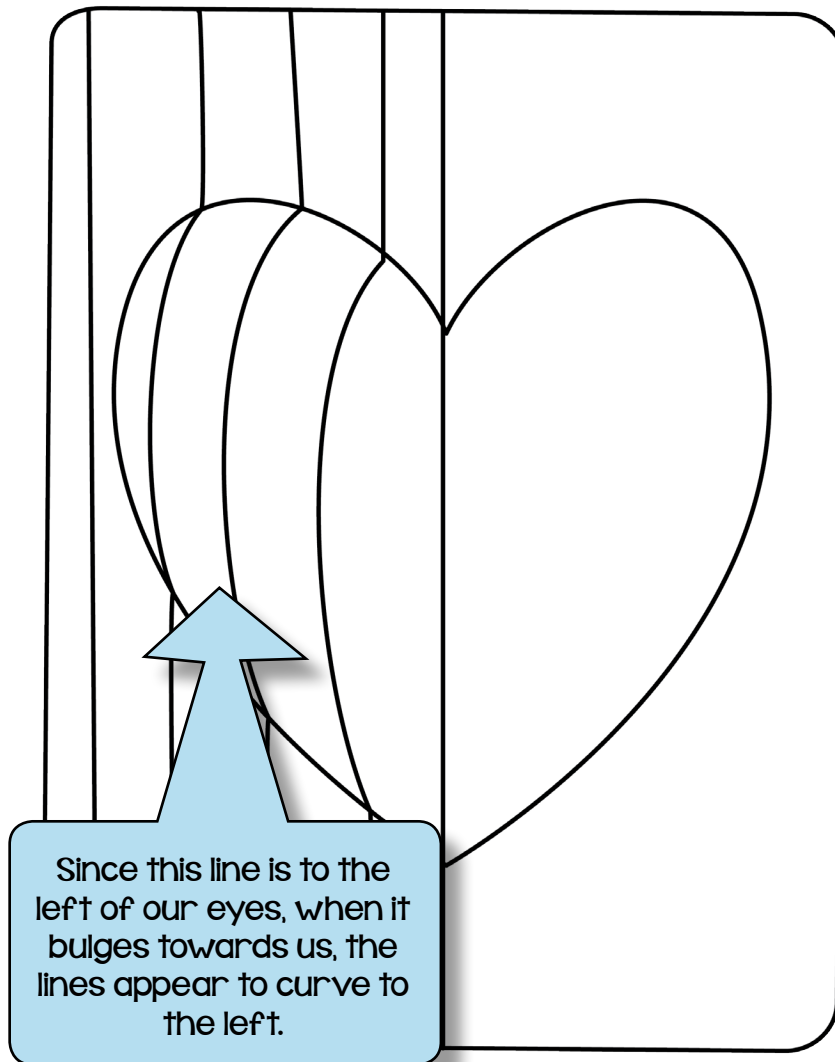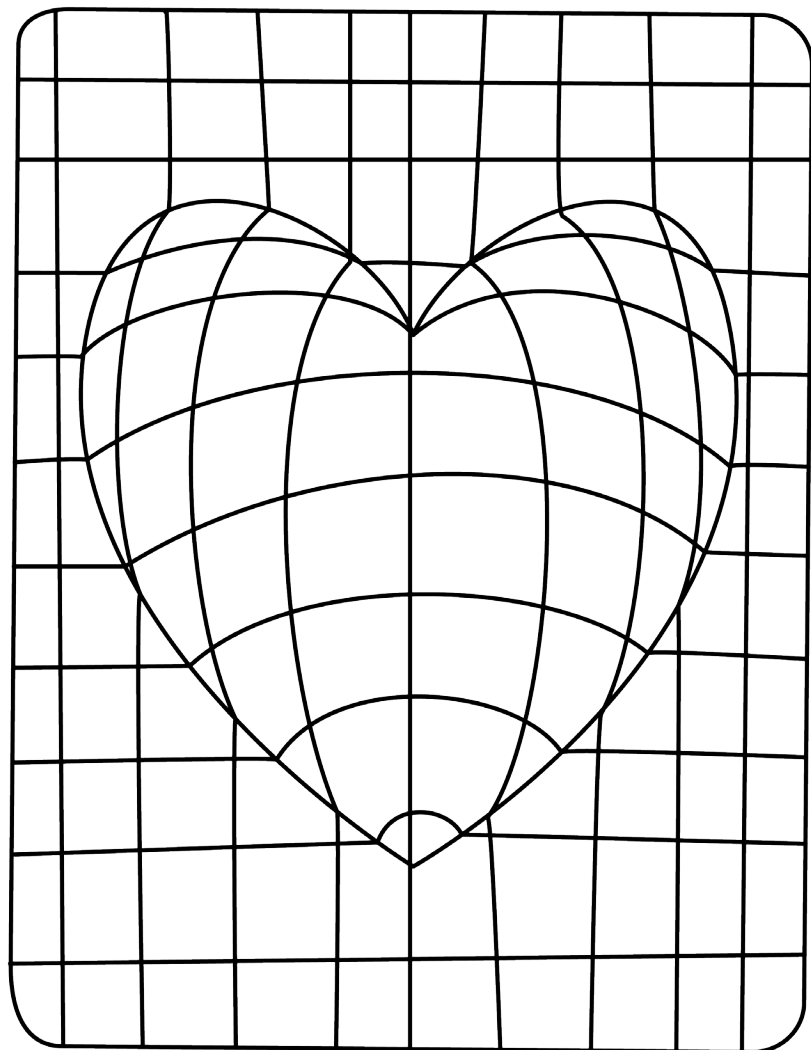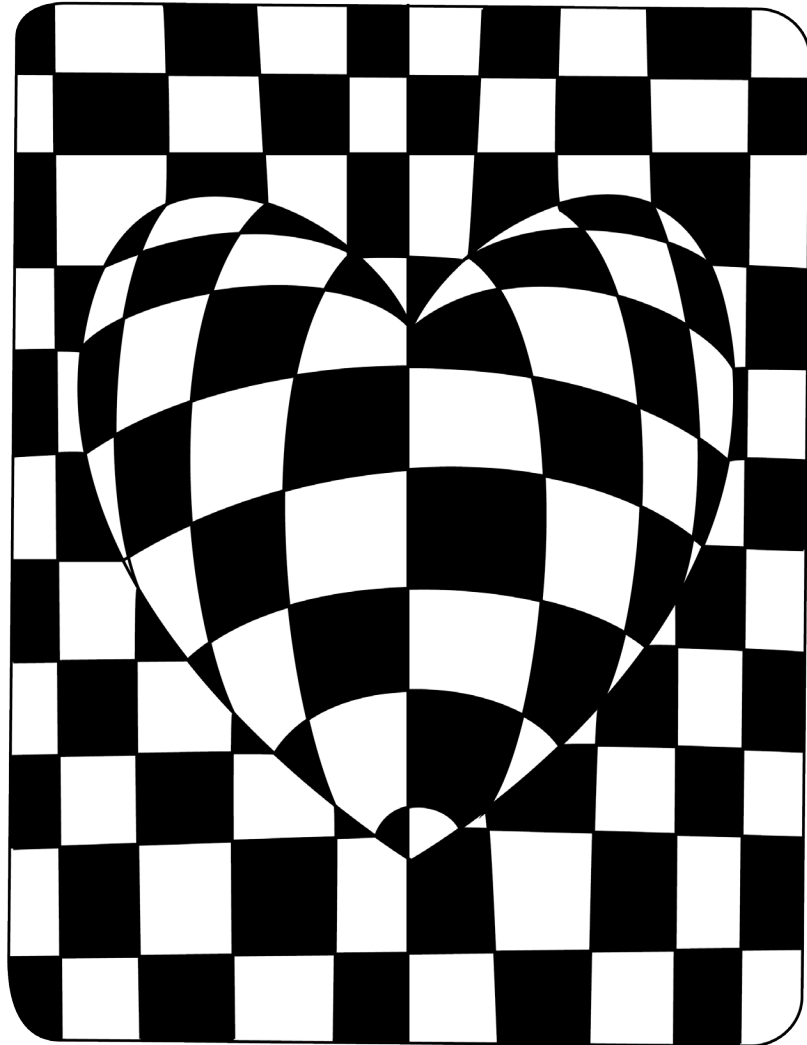
The curved vertical lines, right of the center line, make it look like the heart is bulging towards us and that our eyes are lined up with the center line.
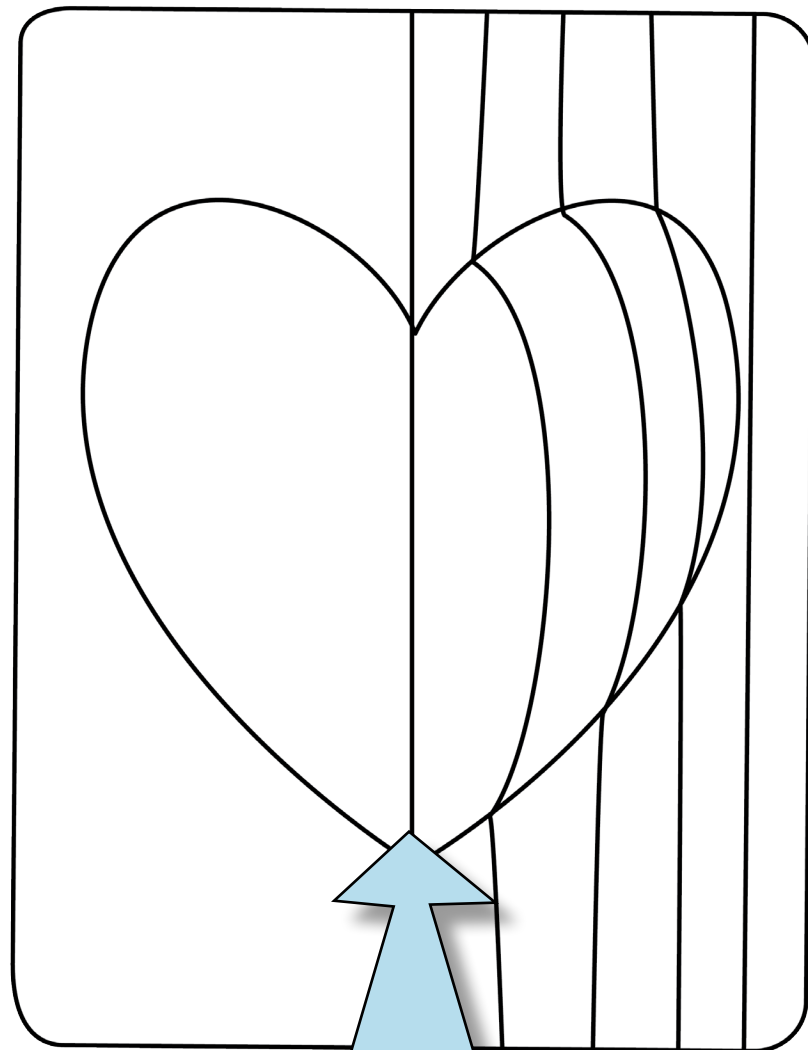
Since this line is bulging straight towards us, it appears to be straight, not curved.

The curved vertical lines, right of the center line, make it look like the heart is bulging towards us and that our eyes are lined up with the center line.

Since this line is to the right of our eyes, when it bulges towards us, the lines appear to curve to the right.

The curved vertical lines, left of the center line, make it look like the heart is bulging towards us and that our eyes are lined up with the center line.

Since this line is to the left of our eyes, when it bulges towards us, the lines appear to curve to the left.

The curved vertical lines, left of the center line, make it look like the heart is bulging towards us and that our eyes are lined up with the center line.

Put the lines all together and they look like this.
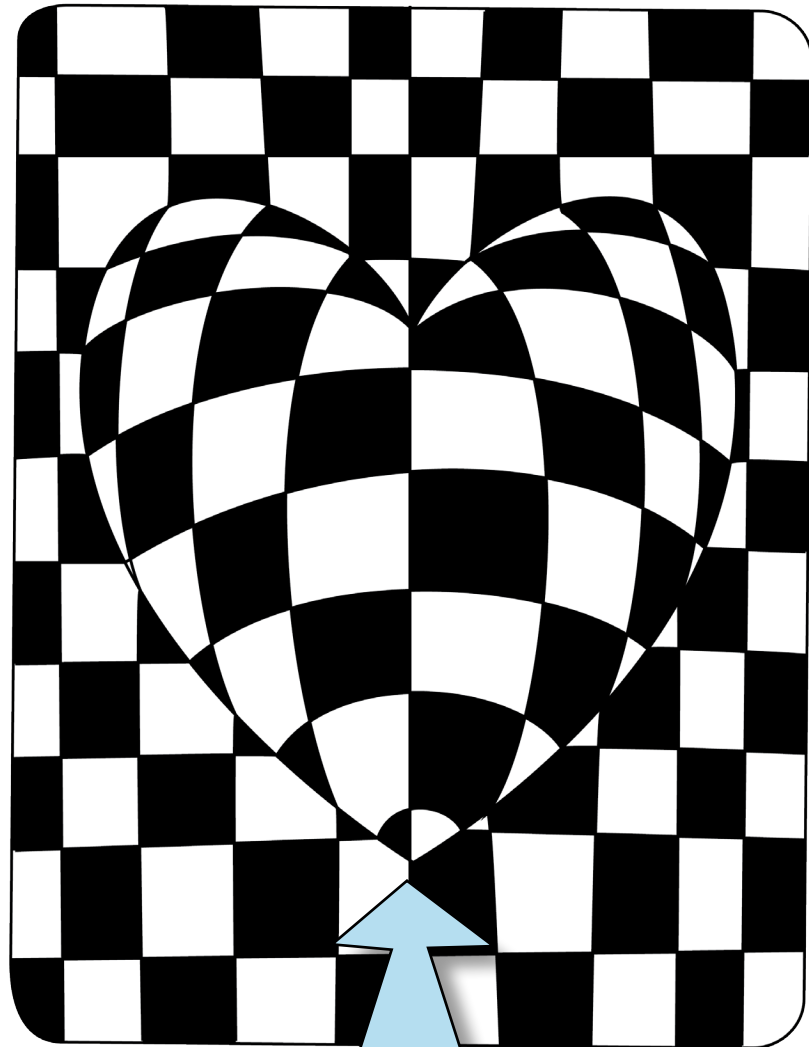
Add a black checkered pattern and it creates an implied outline of the heart. But what is different about the pattern inside the heart?

Can you see that the heart has the black and white areas reversed For each square?

Add a black checkered pattern and it creates an implied outline of the heart. But what is different about the pattern inside the heart?
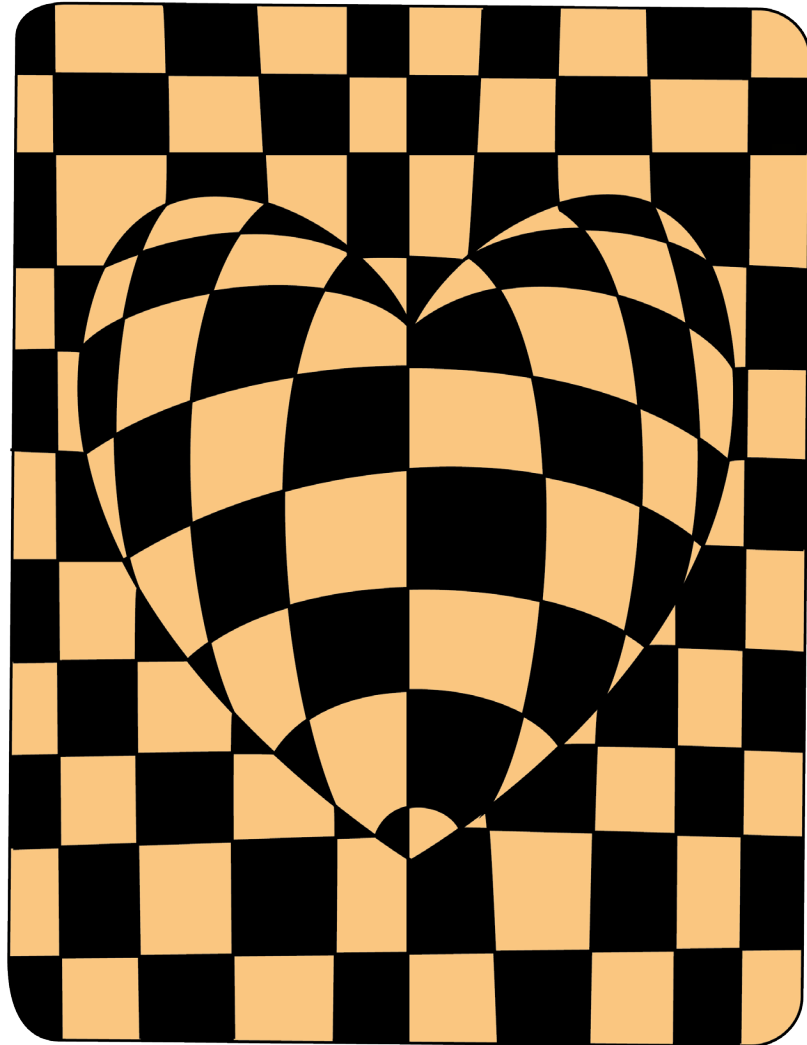
What do you think will happen when a cool color is added in the background of this heart design?
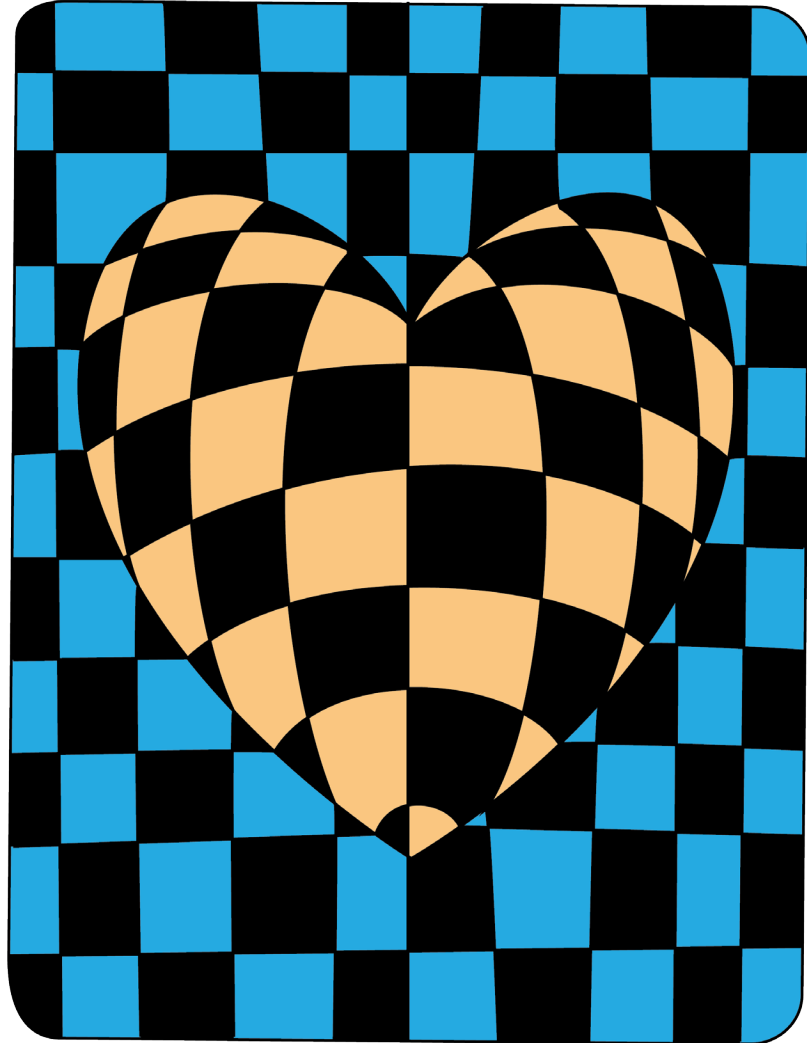
Were you right?
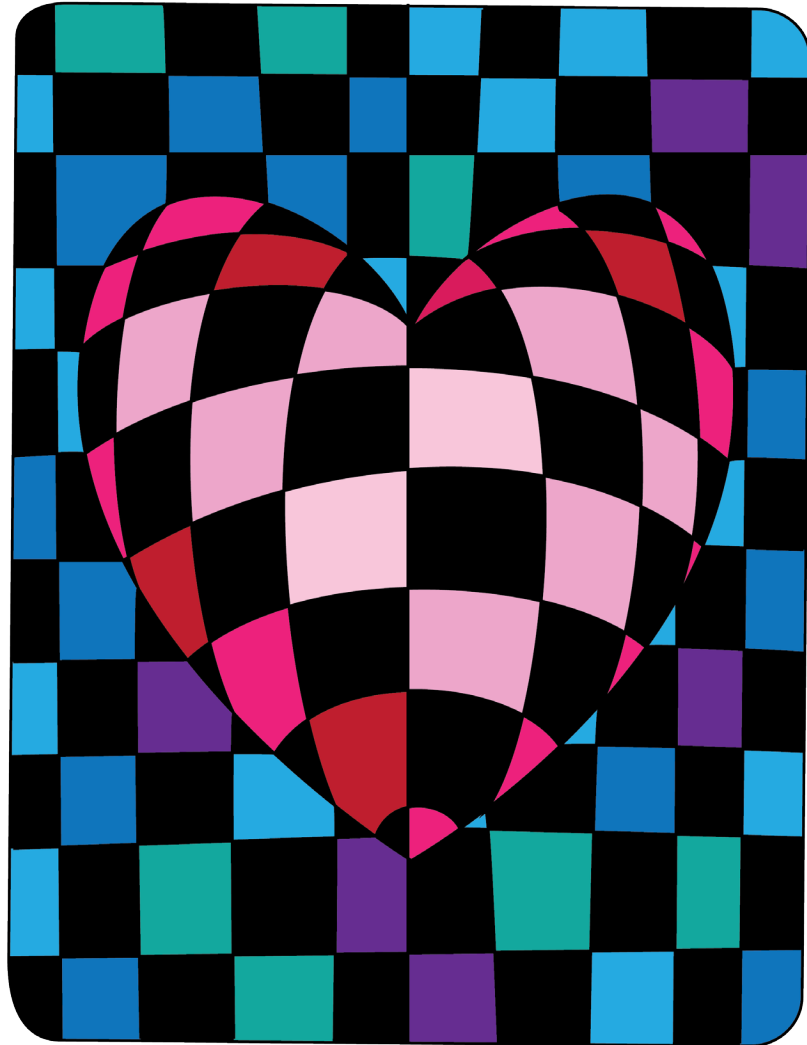
Just for fun, this heart has a variety of warm and cool colors.

Can you find where the value of the colors is the lightest?
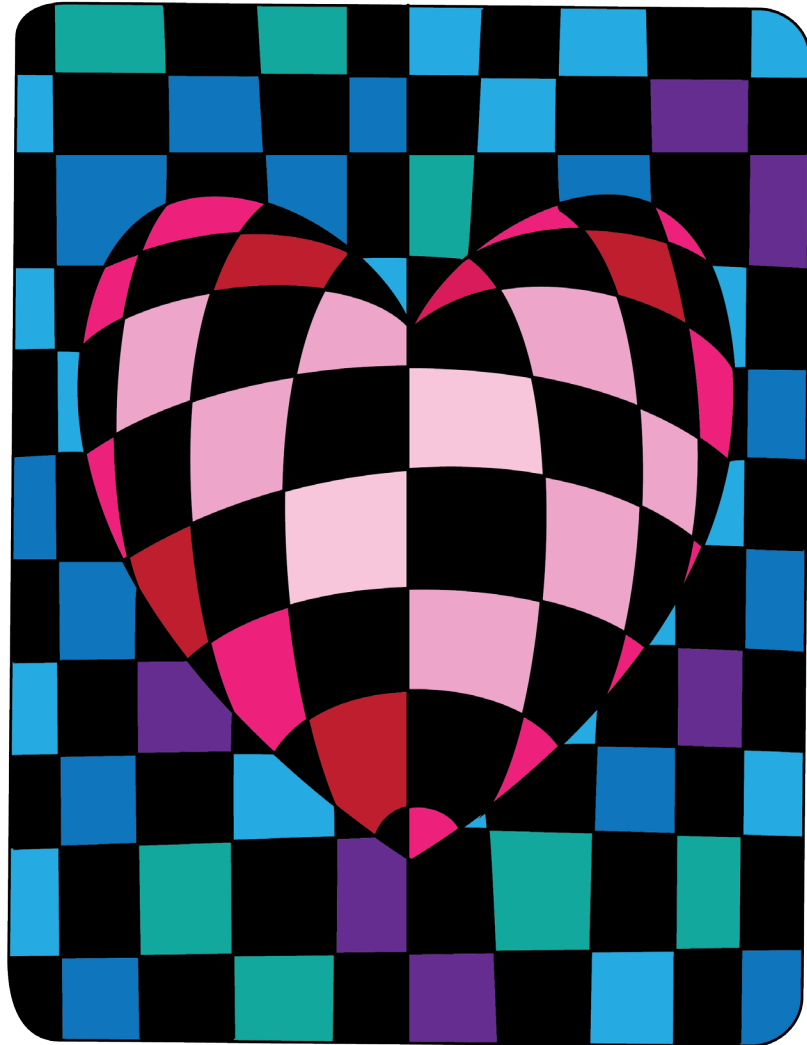
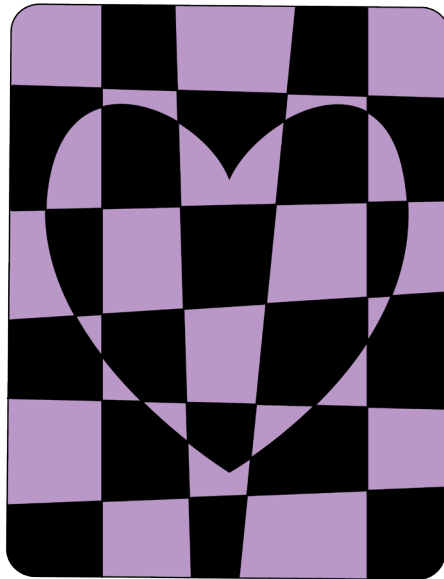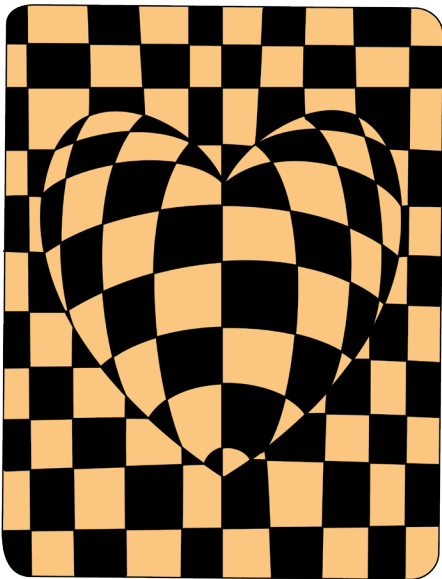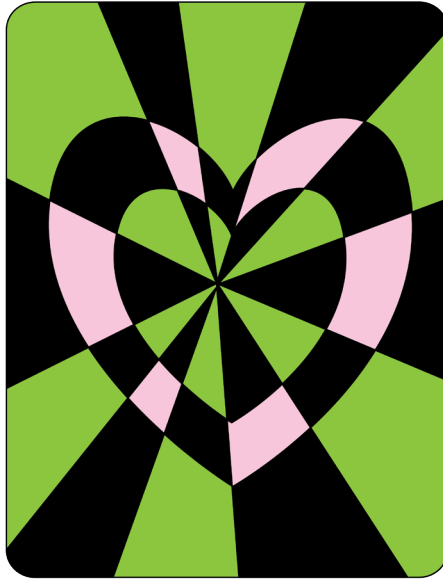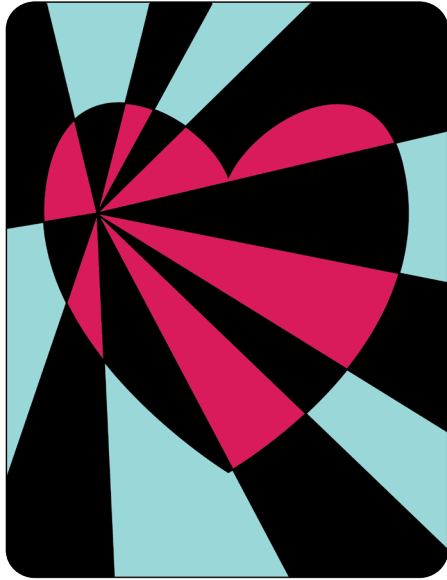Where is the value of the colors the darkest?

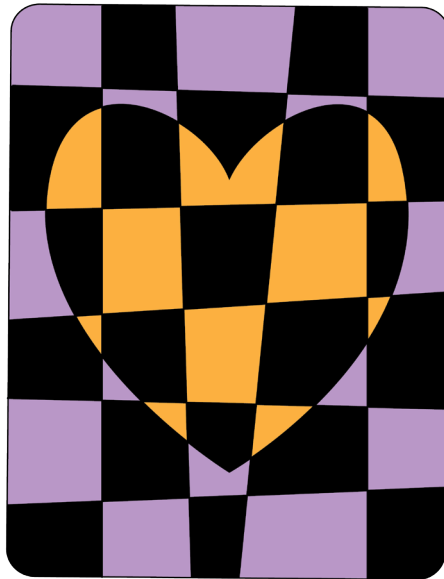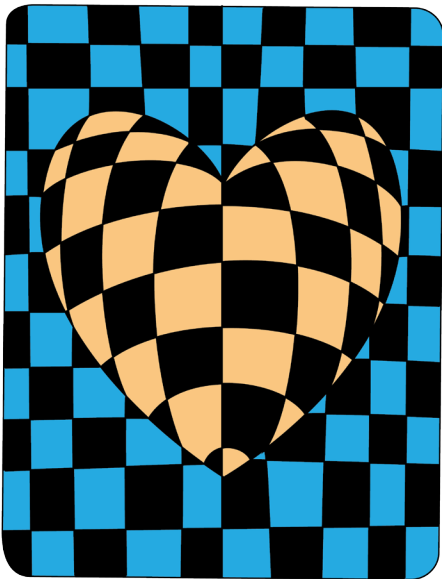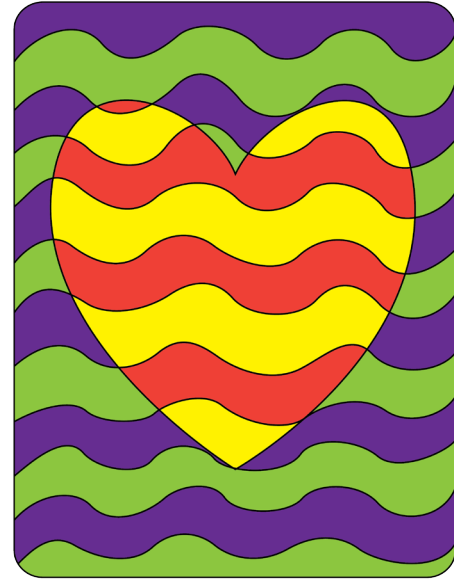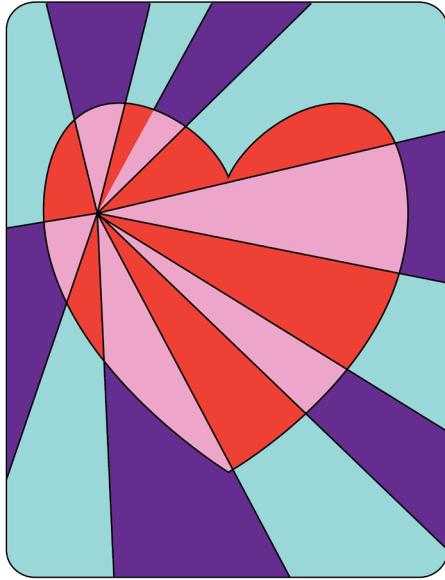How does using light and dark values help the design look more 3D?
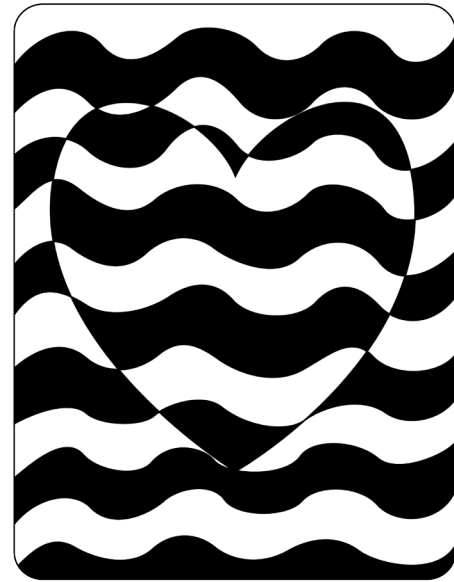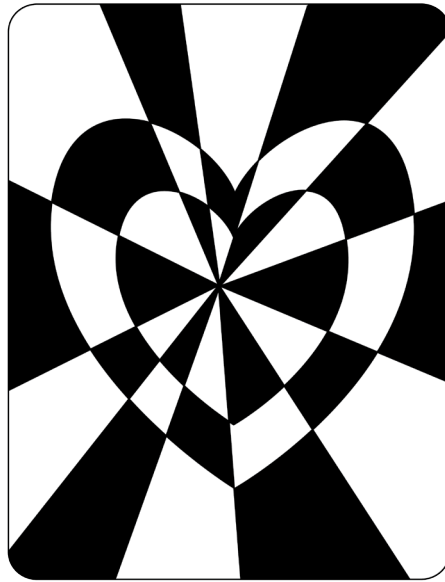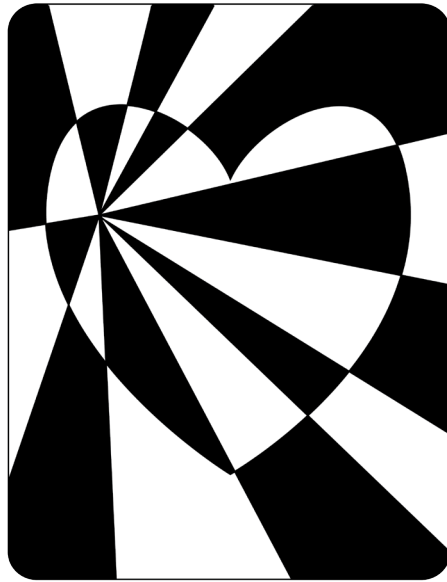
Which design will you try?
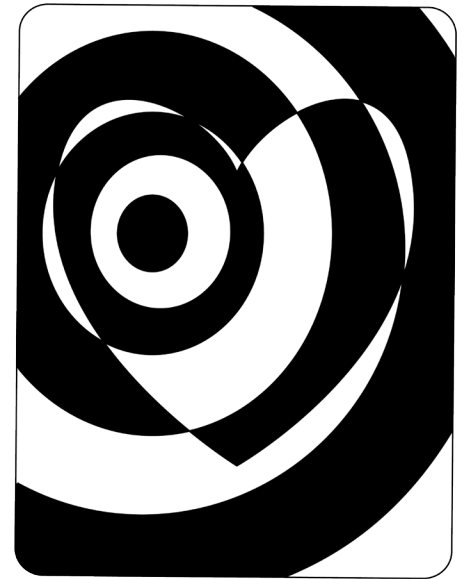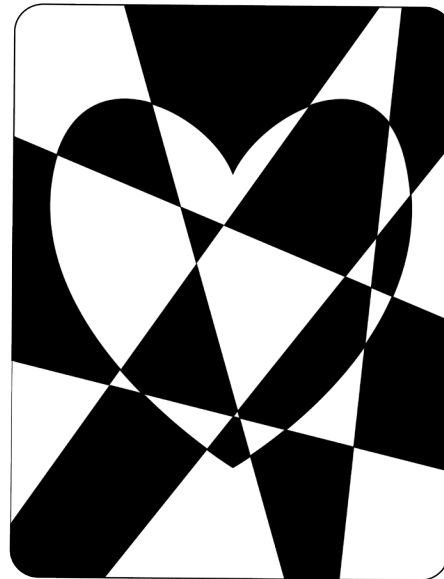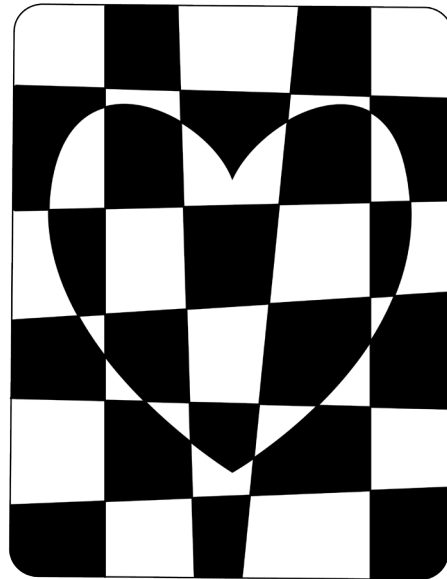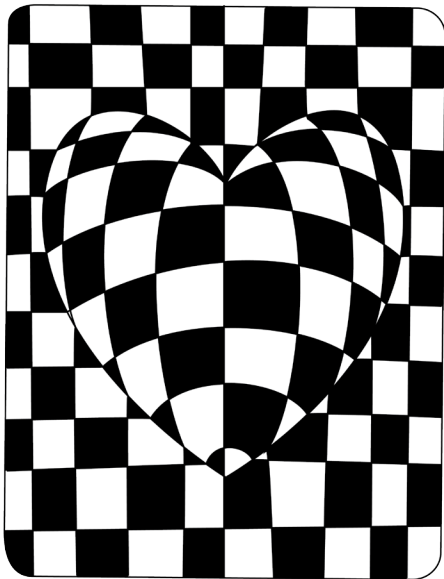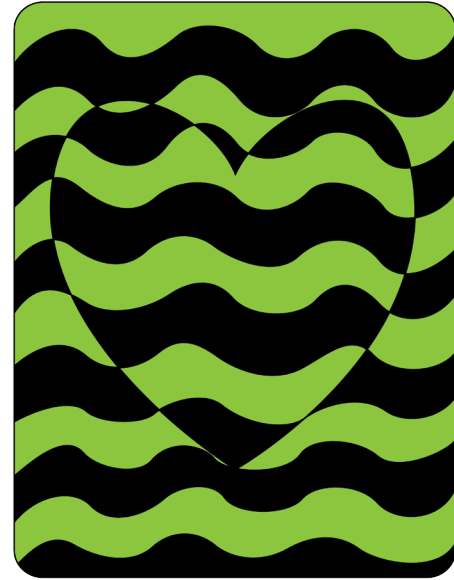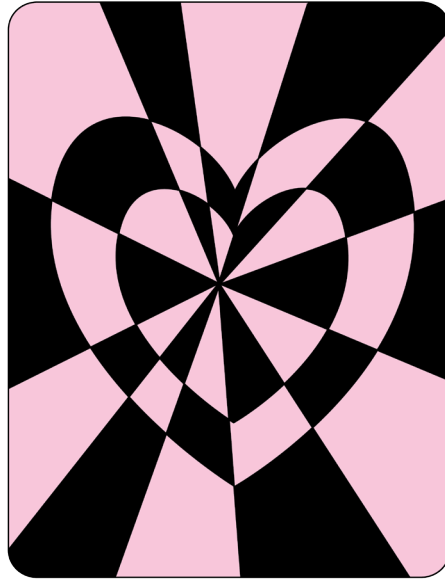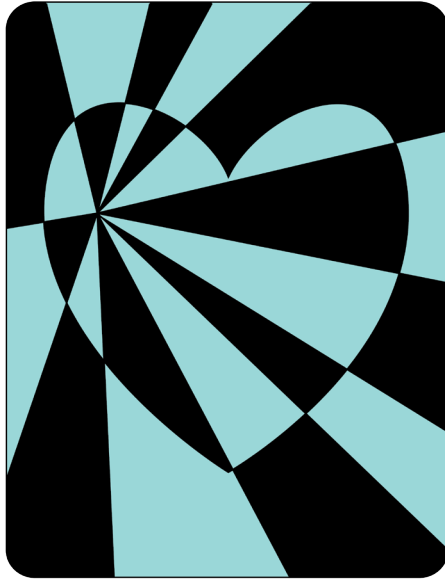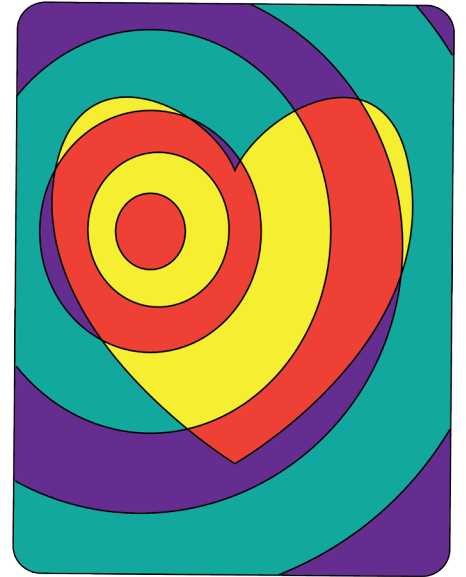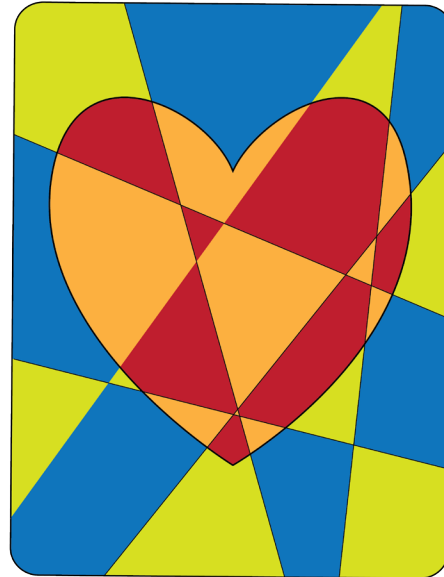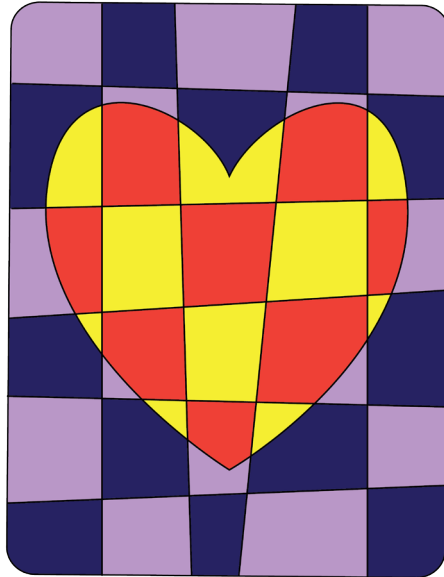
What kind of colors will you use?

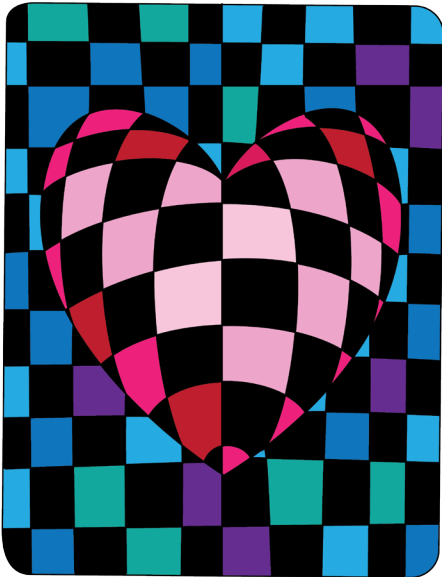What kind of colors will you use?
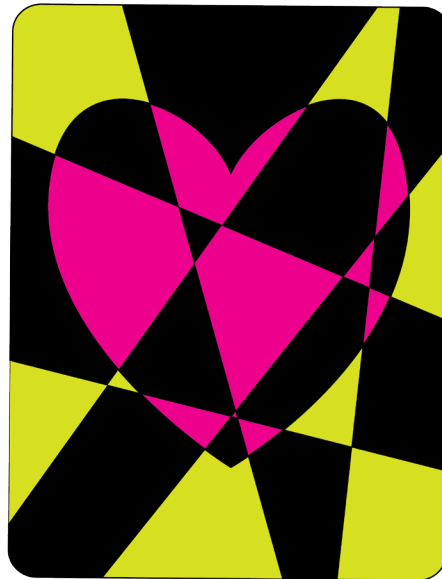
What kind of colors will you use?

CREDITS

Lesson and artwork by Stacey Peters for
EXPRESSIVE MONKEY
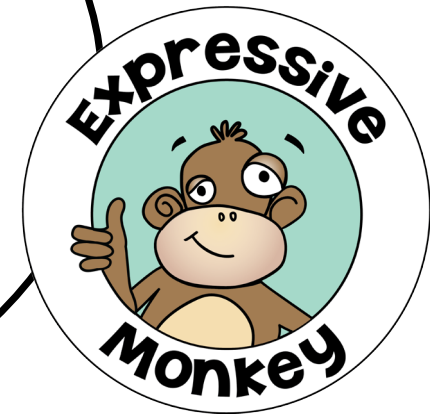http://www.teacherspayteachers.com/Store/Expressive-Monkey
Also check out
www.expressivemonkey.com

FONTS:
AGENT ORANGE by www.1001freefonts.com

Second Chances and
Behind Those Hazel Eyes
by KG Fonts
http://www.teacherspayteachers.com/Store/
Kimberly-Geswein-Fonts

Expressive Monkey

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