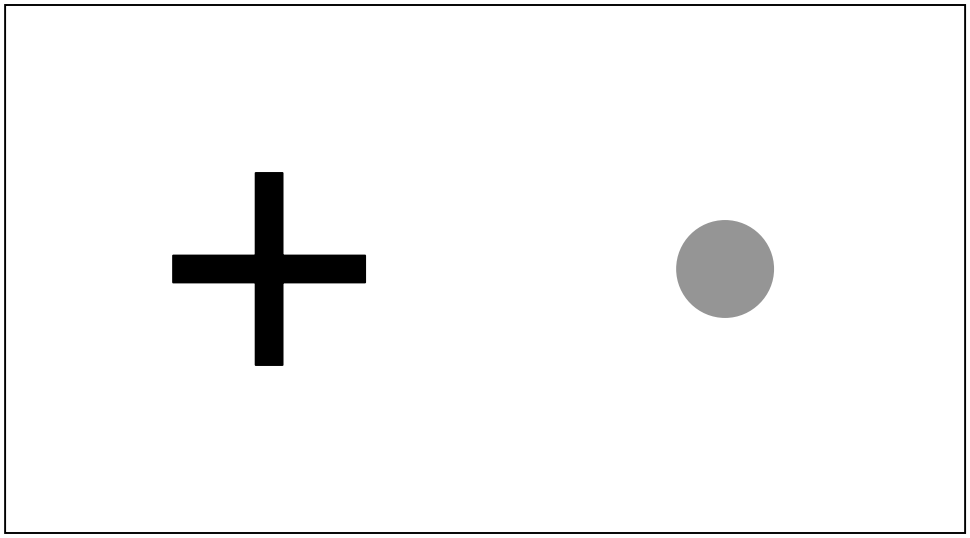
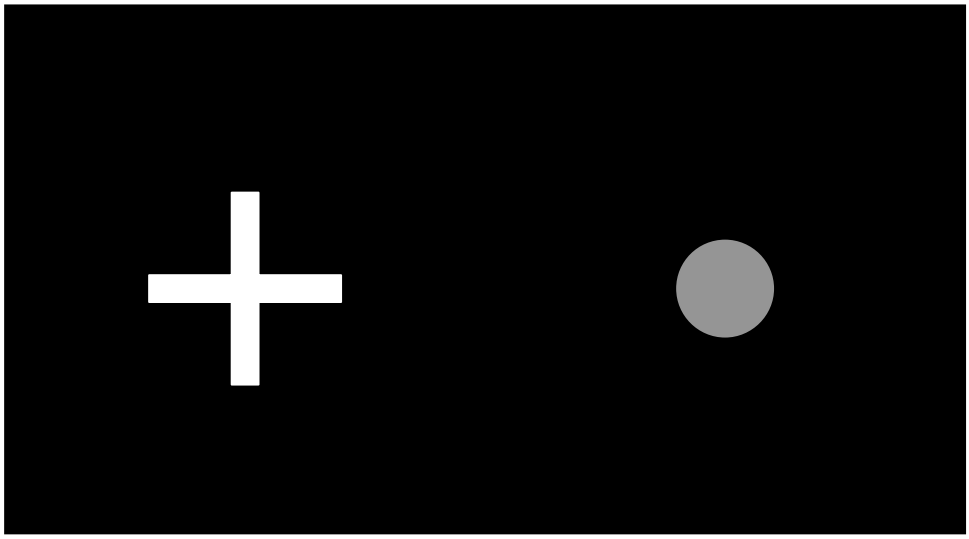
Blind Spot Demonstration

The blind spot is a small patch of retina that contains no photoreceptors, and corresponds to the location where the optic nerve leaves the eye on its way to the brain.

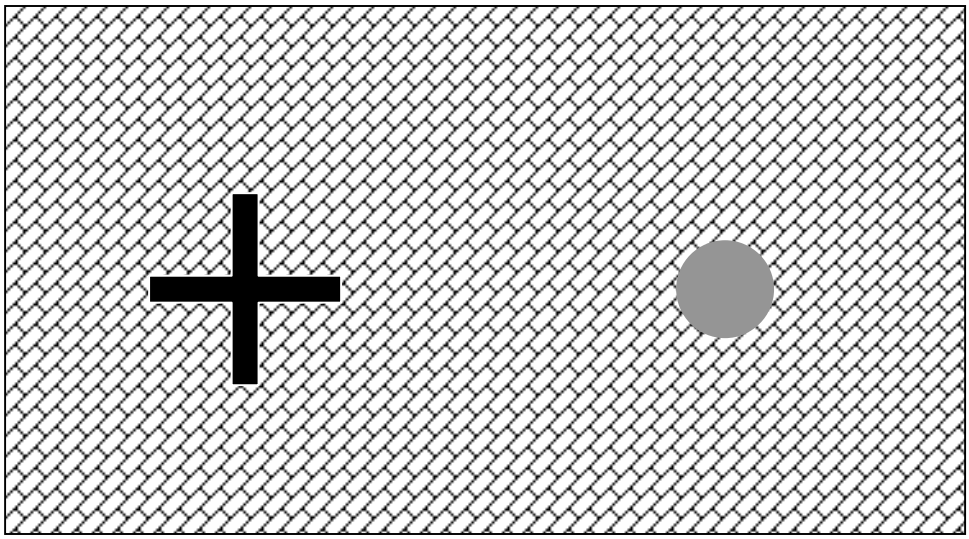
To find your blind spot, close your left eye and look at the cross below. Start with the page about 2 feet away and slowly move it toward your face. When the disk to the right of the cross falls on your blind spot, it should disappear. This only works when one eye is closed, since the same part of your visual field can not fall on the blind spot for both eyes.



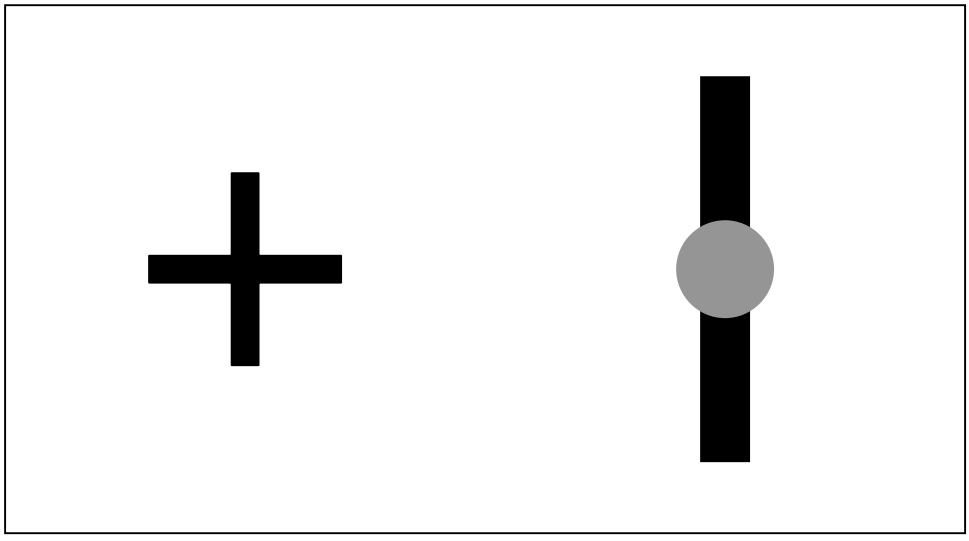
The disk should have disappeared. Did the visual system fill in the missing information based on the surroundings, or just fill in the missing information with white as a default? To find out, try the demonstration below. When your blind spot covers the disk, what is in its place?



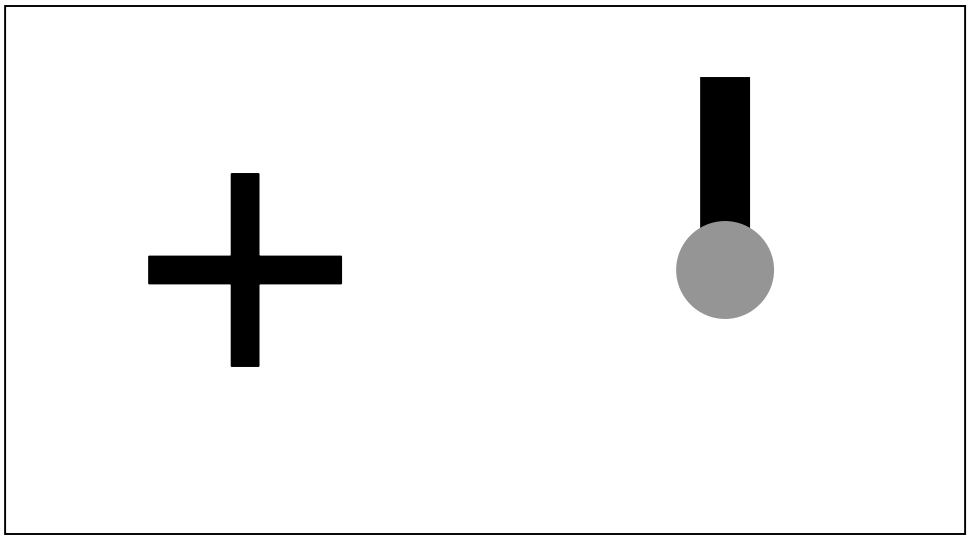
Most impressive. Your visual system seems to know what to fill in missing information with. Does this work for patterns as well as colors? Try this one:



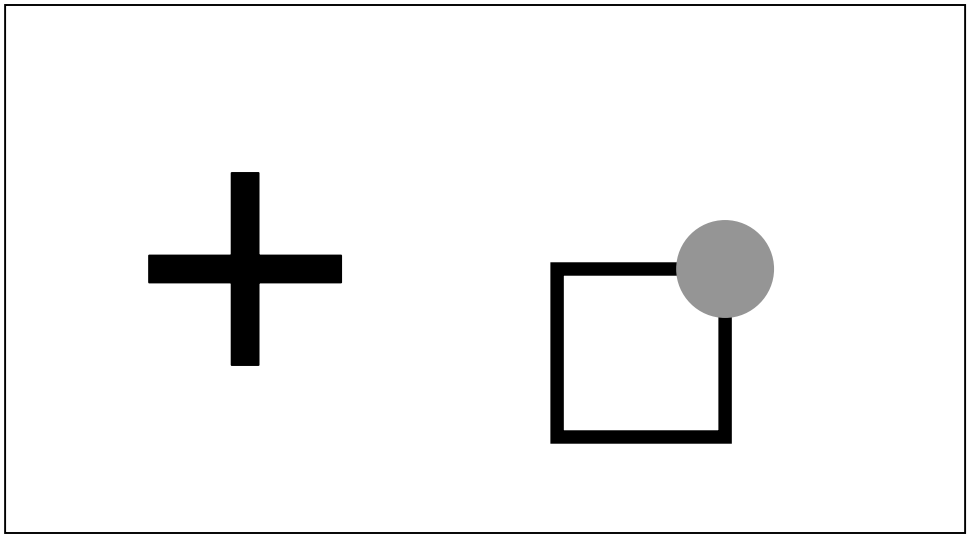
How about objects? What happens to the bar in the picture below?



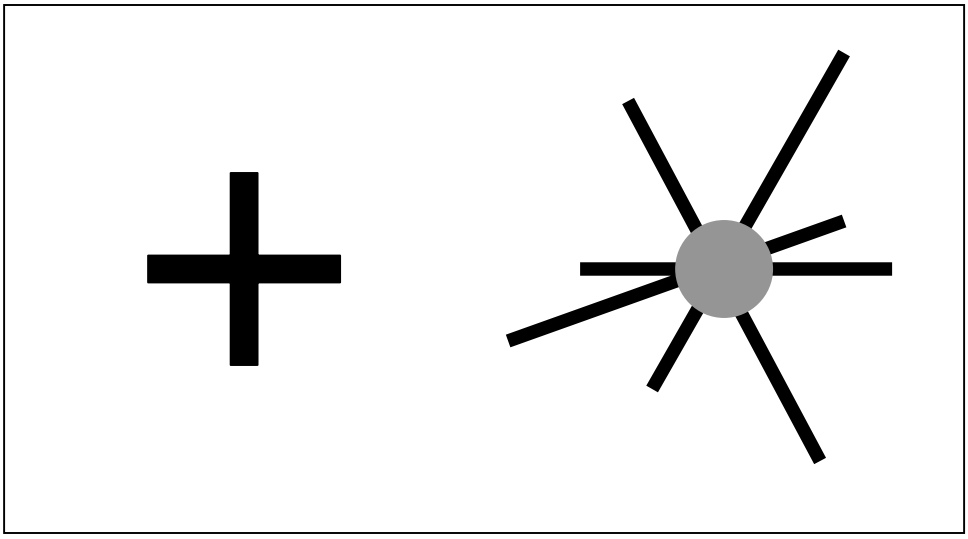
What if information is missing? What does your visual system guess about the occluded part of this bar? Or does is even guess?



Can it complete occluded shapes as well?



What about these complex parts of figures? Can the missing information be filled in accurately?



Can it be possible?…