

# The Science of Reading

Post by "Eikadistes" of May 15, 2022 at 11:29 AM

This all reminds me of the visual blind spot seeing people share, the area in your visual spectrum that corresponds with the place behind your eye where your retina connects to your optic nerve and lacks light-detecting photoreceptor cells. Despite the limitations of the geometry of the eye, our brains fill in the blank without a problem.

Notice in the test on Wikipedia how the blind spot does not appear to be an empty black void in spacetime, but rather, your brain just fills it in with the same shade of *Wikipedia White* that surrounds the "R" and "L".



There seems to be a demonstration here of natural dogma versus skepticism. Since the blind spot is a consequence of missing photoreceptor cells (due to the presence of the optic nerve) the "color" of the blind spot is being drawn by the interpretive brain, making an educated guess based on other available information. Knowing "it's probably white" is a good enough guess to encourage human survival, whereas, a Skeptical Brain might say "we can never really know what fantastical colors might lie behind the ever-obscured blind spot, forever teasing our little human minds".

And while the Skeptical Brain doubts its own eyes, a tiger pounces and makes a meal out of a skeptic philosopher.