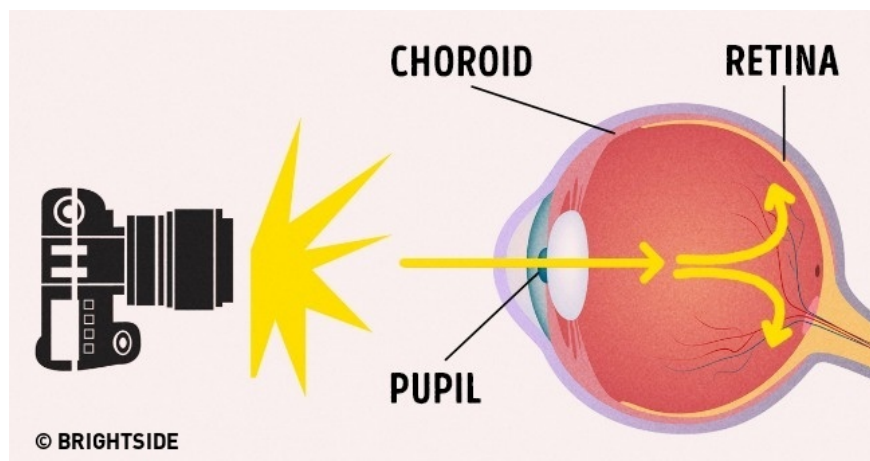


Why does it take 'red' when taking photos of your eyes that look like 'vampires'?

Here's why: Why do you look like vampires when taking photos of your eyes?

Although the current technology simplifies capturing art shots, the "red eye" effect is still the cause of ruining many of your beautiful photos. Bright Side decided to investigate the cause of this "strange" effect.

In ambient light, you often have to open your eyes to allow light to enter. When the **flash** light hits your eyes, you won't have enough time to squint your eyes. Therefore, the amount of strong light from the lamp makes the scene light up and directly affects the eyeball, passing through the pupil to the rear blood vessels, reflecting red blood vessels on the veins. When the camera flash lights up **reflecting** this blood vessel, our eyes often have a "red" effect on the image.



Light directly affects the eyeball, passing through the pupil to the rear blood vessel.

The reason why the eyes are red is probably because you stare at the **camera's lens** . You can eliminate the "red eye" effect in a simple way that is to avoid staring at the lens but just looking at a nearby light bulb before taking a picture.

To reduce the "red-eye" effect, most modern cameras often flash the front flash before the flash officially blinks, so you have enough time to squint your eyes and adapt to it.



The intensity of light reflection of each person is different, depending on the size, age and eye color of each individual. People with bright skin and blue or green eyes are less likely to be melanin (pigment-forming epidermal cells), which can often suffer from "red-eye" effects when taking pictures.

High-quality effects often appear in the eyes of humans and animal eyes, especially in the eyes of nocturnal animals - the retina has a special reflective layer called **the tapetum lucidum mirror** that acts as a mirror placed behind the eyes. This tissue helps animals see things better at night with actions like reflectors (retroreflector), taking reflected light and directly reflecting it back to its original direction.



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