Seeing Colors?

Narrator: Have you ever wondered if you see things the same way everyone else sees them? Most humans can see many different colors because our eyes are made to see them. But did you know that many _____ and animals don't see colors like most humans do? That's because what we know as "color" is really visible light. If we travel along this range of light, we begin in the dark. _____ light isn't visible to humans, but bees can see ultraviolet _____ in flowers. These patterns work like targets for finding food. As we travel further along the range of light, we begin to see a rainbow of colors: a blue sky, green grass, a yellow bee, and red flowers. So what's beyond our visible red? Once you travel into the _____ zone, things we can't see become visible to other animals. For example, you wouldn't be able to see a mouse in the dark, but snakes can see heat, which appears as infrared light. What color is infrared light to a snake? Well, since we can't see what snakes see, that remains a mystery! Most humans can see every color along the range of visible light. The sky is blue, the grass is green, the flowers are red. But some of us are colorblind and actually see the world with fewer colors. In fact, about 8% of men are colorblind and 0.4% of women are colorblind. Being _____ can sometimes be dangerous. For example, a colorblind person needs to be able to tell the difference between a red light and a green light. But most people who are colorblind live very normal lives, so don't worry if you see gray flowers and gray grass. What colors do you see? What's your favorite color?

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