

Green

Look at how we look at colors. Let's look at the color green.

- 1. Light from the sun is white. It has all the primary colors of light in it: red, green and blue.
- 2. It shines on a green thing. All of the light waves that are not green are absorbed by the green thing. They're kind of sucked in and turn into heat. That's what makes it green – sucking in everything that is not green.

your eyes are the green light waves. You see green.

Now here's the important part. If all the light waves bounce out, you have a white thing, not a green thing.

If none of the light waves bounce out, you have a black thing. Getting something to absorb all light waves is really difficult. If you look at a black thing and can see its surface or a detail, that's light bouncing, so you don't really have black.

P.S. from Beakman: Why is black hot? I mean the temperature, not the moody art-student look. Black absorbs all the light waves and then turns them into heat because nothing ever just disappears – not light waves, not moody art students.