

Colours in the dark

~Which colours are most visible after dark adaptation~

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First, we had examined how much you come to see light as time goes by in the dark, using LED of red, blue and green color. The results varied widely between each colors. The results surprised us very much. Thereby, we had decided to find out why it became such results. We demonstrated that visibility of lights after dark adaptation was related in the wavelength of the light's color. The shorter wavelength of light is, the more you can see it. We think, that's because the cells of the eye that play central role changed from a cone cells to rod cells. It may be said that the blue star having high temperature looks more brightly in really dark places.

Keywords: dark adaptation, Colours