Color Perception

Total points 3/4

The respondent's email (**m22cs060@iitj.ac.in**) was recorded on submission of this form.

✗ What gives rise to a unique color perception? *
(Tick the most appropriate answer)

0/1

- (●) Spectral composition of the light entering eye ✗
- ( ) Response level of the rods to the light entering eye
- ( ) Response levels of the cones to the light entering eye

Correct answer

- (●) Response levels of the cones to the light entering eye

✓ The entire perceptible color space cannot be reproduced by electronic devices, because *1/1

- (●) Some perceptible colors require a linear combination of primary colors with subtraction ✓
- ( ) The linear combination of primary colors cannot be normalized
- ( ) Primary colors cannot be combined easily
- ( ) It is difficult to produce pure primary colors

Untitled Question

- ( ) Option 1

✓ In "opponent" process theory of color perception, the opponent colors are * 1/1

- (●) Bright vs. Dark, Red vs. Green, and Blue vs. Yellow ✓
- ( ) Red vs. Green, Green vs. Blue, and Blue vs. Red
- ( ) Bright vs. Dark, Red vs. Yellow, and Green vs. Blue

✓ The perceptual distance between the colors approximately matches the color distances in the following model(s) *1/1

- [ ] RGB model
- [x] HSV model ✓
- [x] CIE model ✓

This form was created inside of Indian Institute of Technology Jodhpur.

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