

Demystifying Color

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Instruction: Answer the following true/false questions to find out how good is your Color Eye-Q.

1. Blue, cyan, green, yellow, red, and magenta are seen in the rainbow.
2. Whenever we mix red and green, we get a dark brown color.
3. Printers are adding inks in the printing process. Thus, printed colors are mixed additively.
4. Yellow, red, and blue are the primary colors from which all other colors are mixed.
5. The major difference between magenta and red is in their green reflectance values.
6. People have the same ability to perceive color.
7. A red object, when illuminated by a blue light, appears reddish blue.
8. Colors seen by spinning discs are examples of subtractive color mixing.
9. When two white lights look the same, they have the same ability to render colored objects.
10. Two colors that look the same will always look the same.

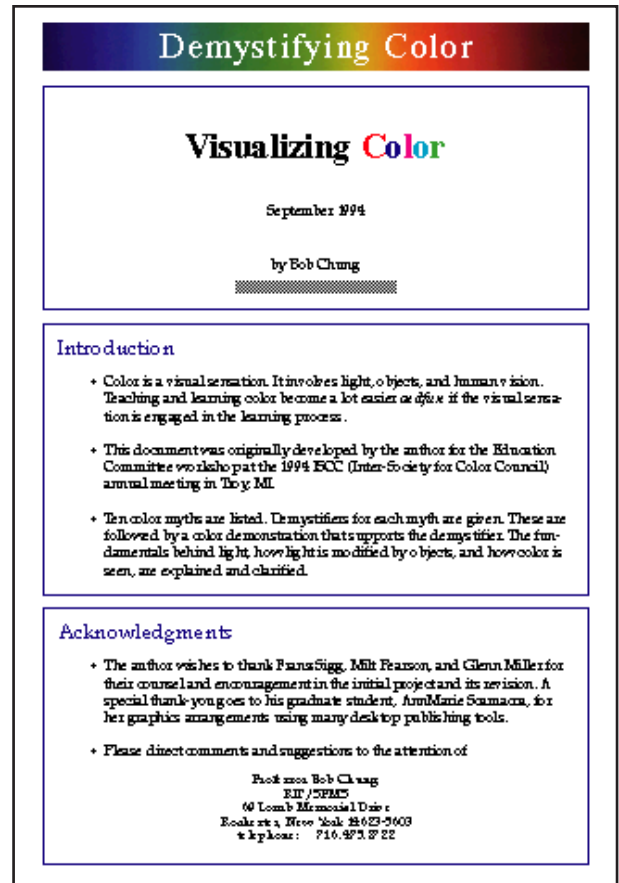
Abstract

Color is a visual sensation. It involves light, objects, and human vision. Teaching and learning color become a lot easier *and fun* if the visual sensation is engaged in the learning process.

This document, **Visualizing Color**, was originally developed by the author for the Education Committee workshop at the 1994 ISCC (Inter-Society for Color Council) annual meeting in Troy, MI.

Ten color myths are listed in this 11-page full-color brochure. Demystifiers for each myth are given. These are followed by a color demonstration that supports the demystifier. The fundamentals behind light, how light is modified by objects, and how color is seen, are explained and clarified.

A PDF version of the document, which has been redesigned for use with a computer screen, can be downloaded from the ISCC web site. For your personal hard copy, see the special offer (at left).



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