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## ASTM International Technical Committee E12 on Color and Appearance

### Scope

The scope of the Committee shall be to promote knowledge of color and appearance properties and characteristics, and to encourage the improvement and development of standards for describing and evaluating appearance properties by:

Stimulating and sponsoring research into color and appearance problems.

Formulating terms, nomenclature, and definitions generally applicable for describing color and appearance. Developing, or coordinating with other technical committees to develop standards for measuring fundamental and general properties.

Developing standard specifications for those attributes of color and appearance which are appropriate.

Assisting other technical committees to improve color and appearance standards and specifications by advice, suggestions, and dissemination of information.

Reviewing and recommending approval or revision of ASTM standards, existing or proposed, involving color and appearance factors.

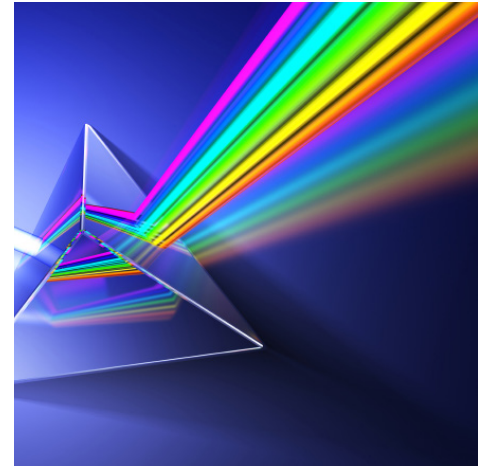
### Technical Subcommittees

- E12.01 Terminology
- E12.02 Spectrophotometry and Colorimetry
- E12.03 Geometry
- E12.04 Color and Appearance Analysis
- E12.05 Fluorescence
- E12.06 Image Based Color Measurement
- E12.07 Color Order Systems
- E12.10 Retroreflection
- E12.11 Visual Methods
- E12.12 Gonioparent Color
- E12.13 Photoluminescent Safety Markings
- E12.93 Precision and Bias

### Key Documents

- D523 Standard Test Method for Specular Gloss
- D1729 Standard Practice for Visual Appraisal of Colors and Color Differences of Diffusely-Illuminated Opaque Materials
- D2244 Standard Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
- E313 Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates

**Learn more about Committee E12**  
[www.astm.org/committee-e12](http://www.astm.org/committee-e12)



## Quick Facts

**Established** 1948

**Number of Members** 150

**Number of Standards** 67

**Global Participation**

15 Countries represented

**The standards are available in**

Volume 06.01 in the *Annual*

*Book of ASTM Standards*

**Meetings E12** meets twice each  
year, in January and June

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