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ISBN	3-030-89862-8
Edizione	[Second edition.]
Descrizione fisica	1 online resource (1634 pages) : illustrations (some color)
Disciplina	535.609
Soggetti	Color - History
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Intro -- Preface -- List of Topics -- About the Editor -- Section Editors -- Contributors -- A -- Achromatic Color -- Achromatopsia -- Acquired Color Vision Impairment -- Acquired Color Vision Loss -- Adaptation -- Definition -- Adaptation -- Dark and Light Adaptation -- Chromatic Adaptation -- Spatial Adaptation -- Summary -- Cross-References -- References -- Additivity Failure for Brightness -- Advanced Front Lighting Systems (AFS) - Intelligent Light -- Aftereffect -- Afterimage -- Synonyms -- Definition -- Introduction -- Possible Explanations -- Breathing Light Illusion -- Cross-References -- References -- Age-Related Changes of Human Seeing Abilities -- Al-Biruni -- References -- Al-Farisi, Kamal al-Din Hasan ibn Ali ibn Hasan -- References -- Al-Haytham (Alhazen), Abu Al al-asan ibn al-asan ibn -- References -- Alizarin -- Synonyms -- Definition -- Overview -- Cross-References -- References -- Alizarin Red -- Alizarine -- Al-Tusi, Nasir al-Din -- References -- Anchoring Theory of Lightness -- Synonyms -- Definition -- Background -- Summary of the Theory -- Frameworks -- Anchoring -- Simple and Complex Images -- Simple Images -- Complex Images -- Codetermination -- Segmentation and Grouping -- Veridicality Versus Error -- Weighting -- Staircase Gelb Effect -- The Scaling Problem -- Anchoring in Other Domains -- Strengths and Weaknesses of the Theory -- Cross-References -- References -- Ancient Color Naming -- Ancient Color Terminology -- Synonyms -- Definition -- Words and Hues, Languages and Time: An Overview -- Color Terminology -- Black and White, Bright and Dark --

Red -- Green, Green-Blue, and Green-Yellow -- Yellow -- Blue -- Pink -- Other Colors -- Theory of Ancient Color Term Emergence -- Summary -- Cross-References -- References -- Apparent Magnitude - Visual Magnitude -- Apparent Magnitude, Astronomy -- Synonyms -- Definition.

Glossary of Terms -- Background -- Quantifying Apparent Brightness -- Wavelength Issues -- Stellar Spectral Types -- The UBV(RI) Magnitude System -- B-V and Stellar Spectral Types -- Absorption and Scattering -- Summary -- Cross-References -- References -- Appearance -- Synonyms -- Definition -- Historical Review of Studies on Visual Appearance -- A Classification of Visual Appearance into Four Categories -- Cesia -- Models to Organize Different Aspects of Visual Appearance -- Cross-References -- References -- Arc Lamps -- Architectural Lighting -- Synonyms -- Definition -- Lighting Quality -- Objectives of Design -- Light for Seeing -- Setting the Ambience -- Biological Impact -- A Framework for Design -- Daylighting -- Electric Lighting -- Endpiece -- Cross-References -- References -- Art and Fashion Color Design -- Synonyms -- Definition -- The Role of Art and Fashion -- Fashion and Identity of the Color Palette -- Belle Epoque -- Russian Constructivism and Suprematism -- Simultaneous Contrast and Sonia Delaunay -- Surrealism and Elsa Schiaparelli -- Coco Chanel and Japanese Art -- Neoplasticism and the Bauhaus -- Op Art, Minimalism, and Pop Art in Fashion -- Tactile Color and Haute Couture -- Cross-References -- References -- Artistic Rendering -- Assimilation -- Synonyms -- Definition -- Introduction -- Assimilation Description -- Possible Explanations for Assimilation -- Cross-References -- References -- Aura -- Automotive Front Lighting System (Status 2020) -- Synonyms -- Definition -- Introduction -- Light Sources -- Tungsten Halogen Lamps -- High-Intensity Discharge (HID) -- Light-Emitting Diodes (LEDs) -- Light Amplification by Stimulated Emission of Radiation (Laser) -- Advanced Front Lighting Technologies -- Static Bend Light/Cornering Light -- Dynamic Cornering Light -- High Beam Assist -- Adaptive Passing Beam -- Headlight Range Control. Glare-Free High Beam -- Marking Light -- Road Projection -- Cross-References -- References -- Autonomous Vehicle (AV) Lighting Systems -- Synonyms -- Definition -- Introduction -- Lighting for Highly Automated Vehicles -- Different Levels of Automated Vehicles -- Communication Strategies for Automated Vehicles with Human Road Users -- Display-Based Communication -- Light Stripe-Based Communication -- Projection-Based Communication -- Light for Sensors -- Interior Lighting for Automated Vehicles -- Further Remarks -- Cross-References -- References -- Autonomous Vehicles - Automated Vehicles -- Autosomal Dominant Inherited Color Vision Deficiency -- AV -- Avicenna, Abu Al al-usayn ibn Abd Allh ibn Sn -- References -- B -- Balance -- Bartleson, C. James -- Further Reading -- Basic Color Categories -- Basic Color Terms -- Basic Colors -- Batik -- Synonyms -- Definition -- Background, Process, and Aesthetic Properties -- Cross-References -- References -- Bayesian Approaches to Color Category Learning -- Synonyms -- Definition -- Color Category Learning -- Cultural Transmission of Color Category Systems -- Cross-References -- References -- Bend Light - Cornering Light -- Benham's Disc -- Berlin and Kay Theory -- Definition -- Basic Color Terms -- The Original Berlin-Kay Theory -- The World Color Survey and the Revised Berlin-Kay Theory -- Constraints on Color-Category Formation -- Alternative Explanations -- Further Questions -- Cross-References -- References -- Berlin-Kay Hypothesis -- Bezold-Brücke Effect -- Bilingual Color Naming/Categories -- Definition -- Cross-language Comparisons -- Cross-language

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CIELAB, CMCCAT97, and CAT02 -- Synonyms -- Definition -- Overview  
-- von Kries Chromatic Adaptation Transform -- CIELAB -- CMCCAT97  
Chromatic Adaptation Transformation -- CAT02 Transform --  
Experimental Datasets Investigated by CIE TC1-52.

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**Sommario/riassunto**

This fully revised and expanded 2nd edition provides a single authoritative resource describing the concepts of color and the application of color science across research and industry.

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