

1. Record Nr.	UNINA9910829957703321
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Titolo	The reproduction of colour [[electronic resource] /] / R.W.G. Hunt
Pubbl/distr/stampa	Chichester, West Sussex, England ; ; Hoboken, NJ, : John Wiley & Sons, c2004
ISBN	1-280-26883-2 9786610268832 0-470-02427-5 0-470-02426-7
Edizione	[6th ed.]
Descrizione fisica	1 online resource (726 p.)
Collana	Wiley-IS&T series in imaging science and technology
Disciplina	778.6
Soggetti	Color photography Color television Color printing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	The Reproduction of Colour; Contents; Series Preface; Preface to the Sixth Edition; PART ONE FUNDAMENTALS; 1 Spectral Colour Reproduction; 1.1 Introduction; 1.2 The spectrum; 1.3 The micro-dispersion method of colour photography; 1.4 The Lippmann method; 1.5 Use of identical dyes; 1.6 Approximate spectral colour reproduction; 1.7 A simplified approach; 2 Trichromatic Colour Reproduction and the Additive Principle; 2.1 Introduction; 2.2 Maxwell's method; 2.3 The physiology of human colour vision; 2.4 Spectral sensitivity curves of the retina; 2.5 Unwanted stimulations; 3 Additive Methods 3.1 Introduction 3.2 The successive frame method; 3.3 The mosaic method; 3.4 The lenticular method; 3.5 The virtual-image method; 3.6 The diffraction method; 3.7 Errors in additive methods; 4 The Subtractive Principle; 4.1 Introduction; 4.2 The subtractive principle; 4.3 Defects of the subtractive principle; 5 Visual Appreciation; 5.1 Introduction; 5.2 The basis of judgement; 5.3 Variations of hue; 5.4 Variations of lightness; 5.5 Variations of colourfulness; 5.6 Priorities; 5.7 Factors affecting apparent colour balance; 5.8 Integrating to grey;

5.9 The perception of depth; 6 Tone Reproduction  
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7.7 Other colour triangles 7.8 Additive colour reproduction; 7.9 The Ives-Abney-Yule compromise; 7.10 Colour gamuts of reflecting and transmitting colours; 7.11 Two-colour reproductions; 8 Colour Standards and Calculations; 8.1 Introduction; 8.2 Standard illuminants; 8.3 The Standard Observers; 8.4 Colour transformations; 8.5 Properties of the XYZ system; 8.6 Uniform chromaticity diagrams; 8.7 Nomograms; 8.8 Uniform colour spaces; 8.9 Subjective effects; 8.10 Haploscopic matching; 8.11 Subjective colour scaling; 8.12 Physical colour standards; 8.13 Whiteness  
9 The Colorimetry of Subtractive Systems 9.1 Introduction; 9.2 Subtractive chromaticity gamuts; 9.3 Subtractive gamuts in the colour solid; 9.4 Spectral sensitivities for block dyes; 9.5 Spectral sensitivities for real dyes; 9.6 MacAdam's analysis; 9.7 Umberger's analysis; 9.8 Two-colour subtractive systems; 9.9 Subtractive quality; 10 Light Sources; 10.1 Introduction; 10.2 Tungsten lamps; 10.3 Spectral-power converting filters; 10.4 Daylight; 10.5 Fluorescent lamps; 10.6 Sodium, mercury, and metal-halide lamps; 10.7 Xenon arcs; 10.8 Carbon arcs; 10.9 Photographic flash-bulbs  
10.10 The red-eye effect

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## Sommario/riassunto

Increasing use of digital signals for transmitting data in television, photography and printing means the reproduction of pictorial colour in the 21st century continues to drive innovation in its development. Hunt's classic text *The Reproduction of Colour* has been fully revised and updated for the sixth edition to provide a comprehensive introduction to colour imaging and colour reproduction. New illustrations, diagrams and photographs ensure that both students and practising engineers using colour images can gain a full understanding of the theory and practical application

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