

1. Record Nr.	UNINA9910964818803321
Titolo	Procedures for testing color vision : report of Working Group 41 / / Committee on Vision, Assembly of Behavioral and Social Sciences, National Research Council
Pubbl/distr/stampa	Washington, D.C., : National Academy Press, 1981
ISBN	9786610261161 9781280261169 1280261161 9780309588836 0309588839
Edizione	[1st ed.]
Descrizione fisica	1 online resource (128 pages)
Soggetti	Color vision - Testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 111-120).
Nota di contenuto	Procedures for Testing Color Vision -- Copyright -- Contents -- PREFACE -- CHAPTER 1 INTRODUCTION -- COLOR VISION REQUIREMENTS IN DIFFERENT OCCUPATIONS -- Occupations Excluding Major Color Vision Defects -- Occupations Requiring Representative Color Vision -- Occupations Requiring Good Color Discrimination -- SELECTING COLOR VISION TESTS -- CHAPTER 2 CLASSIFICATION OF COLOR VISION DEFECTS -- NORMAL COLOR VISION -- Colorimetric Definition -- The Color-Matching Experiment -- Some Special Matches -- Chromatic Discriminative Ability -- CONGENITAL SEX-LINKED COLOR VISION DEFECTS -- Anomalous Trichromats -- Color-Matching Classification -- Chromatic Discriminative Ability -- Dichromats -- Color-Matching Classification -- Chromatic Discriminative Ability -- AUTOSOMAL DOMINANT TRITAN DEFECT -- ACQUIRED COLOR VISION DEFECTS -- Normal Color Vision Changes with Age -- Effect of Disease, Injury, and Drugs -- PHYSICAL FACTORS AFFECTING COLOR VISION -- Illumination -- Field Size -- CHAPTER 3 COLOR VISION TESTS -- HISTORICAL INTRODUCTION -- GENERAL DESCRIPTION OF TYPES OF COLOR VISION TESTS -- Anomaloscopes -- Plate Tests -- Arrangement

Tests -- Lantern Tests -- HOW TO EVALUATE A COLOR TEST --
Reliability and Validity -- Specific Procedures for Calculating Different
Types of Tests -- Plate Tests -- Arrangement Tests -- Anomaloscopes
-- Lantern Tests -- ILLUMINANTS -- EXISTING TESTS: AVAILABILITY,
PRACTICALITY, AND PROCEDURES -- Anomaloscopes -- Nagel Model I
-- Pickford-Nicolson -- Neitz OT -- Some General Considerations in
Anomaloscope Testing -- Pseudoisochromatic Plates -- American
Optical Color Vision Test -- American Optical Hardy-Rand-Rittler (AO
H-H-R) Plates -- Dvorine -- Farnsworth F2, Tritan Plate -- Ishihara --
Standard Pseudoisochromatic Plates -- Tokyo Medical College -- Other
Plate Tests.
Bausch and Lomb Ortho-Rater Color Vision Test Slides 71-21-21 and
71-21-50 -- City University Color Vision Test -- Sloan Achromatopsia
Test -- Titmus Color Perception Test and Titmus Pediatric Color
Perception Test -- Arrangement Tests -- Farnsworth Dichotomous Test
for Color Blindness (Panel D-15) -- Farnsworth H-16 Test --
Farnsworth-Munsell 100-Hue Test -- Lanthony Desaturated Panel D-
15 Test -- The Lanthony New Color Test -- Sahlgren's Saturation Test
-- Lantern Tests -- British Board of Trade Lantern (1912) -- Color
Threshold Tester -- Edridge-Green Lantern (1891) -- Farnsworth
Lantern (FaLant) -- Other Tests -- Holmgren Wool Test -- Lovibond
Color Vision Analyzer -- CHAPTER 4 USING COLOR VISION TESTS --
EVALUATION OF CONGENITAL AND ACQUIRED COLOR VISION DEFECTS
-- Rapid Screening of Congenital Red-Green Color Defects --
Diagnosis of Red-Green Defects -- Recognition of Congenital Blue-
Yellow Defects and Achromatopsia -- Evaluation of Acquired Color
Vision Defects -- CLASSIFICATION AND QUANTIFICATION OF
CHROMATIC DISCRIMINATIVE ABILITY -- Test Batteries --
Quantification of Chromatic Discriminative Ability -- SCREENING FOR
PROFESSIONAL PURPOSES -- TEST ADMINISTRATION: TRAINING
PERSONNEL TO ADMINISTER TESTS -- SOME SPECIAL PROBLEMS OF
TESTING -- Testing Illiterates -- Language Problems -- Testing the
Elderly -- Testing Children -- Malingering and Concealing -- COLOR
VISION "CURES" AND "REMEDIES" -- CHAPTER 5 RECOMMENDATIONS --
APPENDIX UNDERSTANDING TEST DESIGN -- COLOR MATCHING --
REPRESENTATION OF DEFECTIVE COLOR VISION IN THE CHROMATICITY
DIAGRAM -- THEORY OF TEST CONSTRUCTION -- Pseudoisochromatic
Plate Tests -- Arrangement Tests -- Anomaloscope -- REFERENCES.
