



Measuring Colour

By R. W. G. Hunt, M. R. Pointer

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The classic authority on colour measurement now fully revised and updated with the latest CIE recommendations

The measurement of colour is of major importance in many commercial applications, such as the textile, paint, and foodstuff industries; as well as having a significant role in the lighting, paper, printing, cosmetic, plastics, glass, chemical, photographic, television, transport, and communication industries.

Building upon the success of earlier editions, the 4th edition of *Measuring Colour* has been updated throughout with new chapters on colour rendering by light sources; colorimetry with digital cameras; factors affecting the appearance of coloured objects, and details of new CIE colour appearance models.

Key features:

- Presents colour measurement, not simply as a matter of instrumentation and engineering, but also involving the physiology and psychology of the human observer.
- Covers the principles of colour measurement rather than a guide to instruments.
- Provides the reader with the basic facts needed to measure colour.
- Describes and explains the interactions between how colour is affected by the type of lighting, by the nature of the objects illuminated, and by the properties of the colour vision of observers.
- Includes many worked examples, and a series of Appendices provides the numerical data needed in many colorimetric calculations.

The addition of 4th edition co-author, Dr. Pointer, has facilitated the inclusion of extensive practical advice on measurement procedures and the latest CIE recommendations.

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Editorial Review

From the Back Cover

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About the Author

Robert Hunt, Independent Colour Consultant and Visiting Professor, University of Leeds, UK

Formerly Assistant Director of Research, Kodak Limited, Harrow; Dr. Hunt is now an independent colour consultant and a Visiting Professor at the University of Leeds' Department of Colour Science. He has written more than a hundred papers on colour vision, colour reproduction, and colour measurement. He has previously published the 6th edition of *The Reproduction of Colour* (2004) with Wiley which is viewed as a classic text on the topic. He has been awarded the Newton Medal of the Colour Group (Great Britain) (1974), the Progress Medal of the Royal Photographic Society (1984), the Judd-AIC Medal of the International Colour Association (1987), the Gold Medal of the Institute of Printing (1989), the Johann Gutenberg Prize of the Society for Information Display (2002), and the Godlove Award of the Inter-Society Color Council (U.S.A.) (2007). In 2009 he was given the award of Officer of the British Empire (O.B.E.).

Michael Pointer, Independent Colour Consultant and Visiting Professor, University of Leeds, UK & University of the Arts London, UK Formerly Senior Scientist at the National Physical Laboratory,

Teddington; Dr. Pointer is an independent colour consultant and a Visiting Professor at the University of Leeds' Department of Colour Science and the University of the Arts, London, in their School of Communication. In 1997, he received the Fenton Medal, The Royal Photographic Society's award for services to the Society. In 2004, he received a Silver Medal from the Society of Dyers and Colourists for

'contributions to colour science.' He has authored more than 95 scientific papers, is a Fellow of The Royal Photographic Society and the Institute of Physics, Secretary of CIE Division 1 Vision & Colour and UK Associate Editor of the journal, *Color Research & Application*.

Users Review

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Adam Whittington:

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Deborah Young:

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Dixie Santiago:

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