



# Measuring Colour

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

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**Measuring Colour** By R. W. G. Hunt, M. R. Pointer

**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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**Measuring Colour By R. W. G. Hunt, M. R. Pointer Bibliography**

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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**

### **From reader reviews:**

#### **Marie Boyd:**

The event that you get from *Measuring Colour* could be the more deep you digging the information that hide within the words the more you get thinking about reading it. It does not mean that this book is hard to understand but *Measuring Colour* giving you excitement feeling of reading. The article writer conveys their point in selected way that can be understood by means of anyone who read the item because the author of this book is well-known enough. This specific book also makes your current vocabulary increase well. Making it easy to understand then can go along with you, both in printed or e-book style are available. We advise you for having that *Measuring Colour* instantly.

#### **James Jean:**

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#### **Bonnie Parker:**

Reading a book to get new life style in this season; every people loves to examine a book. When you learn a book you can get a lots of benefit. When you read guides, you can improve your knowledge, due to the fact book has a lot of information onto it. The information that you will get depend on what sorts of book that you have read. If you would like get information about your research, you can read education books, but if you want to entertain yourself you can read a fiction books, such us novel, comics, in addition to soon. The *Measuring Colour* will give you a new experience in reading through a book.

#### **Vincent Mickens:**

As we know that book is significant thing to add our expertise for everything. By a book we can know everything we want. A book is a pair of written, printed, illustrated or even blank sheet. Every year ended up being exactly added. This publication *Measuring Colour* was filled with regards to science. Spend your free time to add your knowledge about your technology competence. Some people has diverse feel when they reading the book. If you know how big benefit of a book, you can really feel enjoy to read a guide. In the modern era like today, many ways to get book that you simply wanted.

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