



The Physics and Chemistry of Color, 2nd Edition

By Kurt Nassau

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An updated and revised second edition of the acclaimed classic

Have you ever wondered why the sky is blue, or a ruby red? This classic volume studies the physical and chemical origins of color by exploring fifteen separate causes of color and their varied and often subtle occurrences in biology, geology, mineralogy, the atmosphere, technology, and the visual arts. It covers all of the fundamental concepts at work and requires no specialized knowledge.

Author Kurt Nassau includes hundreds of illustrations, tables, and photographs—as well as end-of-chapter problems—that aid in visualizing the concepts discussed. An updated bibliography permits readers to pursue their own particular interests and an expanded series of appendices cover advanced topics.

The Physics and Chemistry of Color, Second Edition is a one-of-a-kind treatment of color that provides both detailed physical and chemical properties of color and a more general overview of the subject. It will prove highly useful to specialists and non-specialists alike—and fascinate those with varied interests from optics to art history.

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Editorial Review

Review

"...investigates just how an organic pigment such as chlorophyll interacts with white light to produce a green color, why the sky is blue, why rubies are red...fundamental concepts needed to understand these phenomena are covered so that no specialized knowledge is required." (*SciTech Book News*, Vol. 25, No. 4, December 2001)

"...a fascinating journey into the world of colour." (*Chemistry in Britain*, January 2002)

"...discusses 15 causes of color and is intended to fill the gap between a general elementary discussion of color and a higher technical level?Nassau has clearly accomplished this goal." (*Choice*, Vol. 39, No. 6, February 2002)

"excellent survey covering all aspects of the chemistry and physics of colour" (*Asia Pacific Coatings Journal*, December 2001)

Book of the Week

"Overall, *Pharmaceuticals: Classes, Therapeutic Agents and Areas of Applications*, Vol. 1-4 are a massive resource for those working with pharmaceuticals...these four volumes build a strong and broad foundation to those new to these fields....they also act as a valuable aid to memory to those already involved in therapeutic areas...provide[s] a clear, concise and, above all, useful reference work.

It is recommended as stock reading for anyone with an interest in colour chemistry and the physical science relating the interaction of light and matter". (*The Alchemist*, 25 March 2002)

"No-one could read this book without learning something new about the world of colour." (*Chemistry & Industry*, 3 June 2002)

"There is an immense amount of knowledge in this book.... It can be recommended to keep this volume on your desk so that you can reach out for it..." (*CIE News*, Vol. 64)

Review

??discusses 15 causes of color and is intended to fill the gap between a general elementary discussion of color and a higher technical level?Nassau has clearly accomplished this goal.? *Choice* Vol. 39, No. 6 February 2002

From the Publisher

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Users Review

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