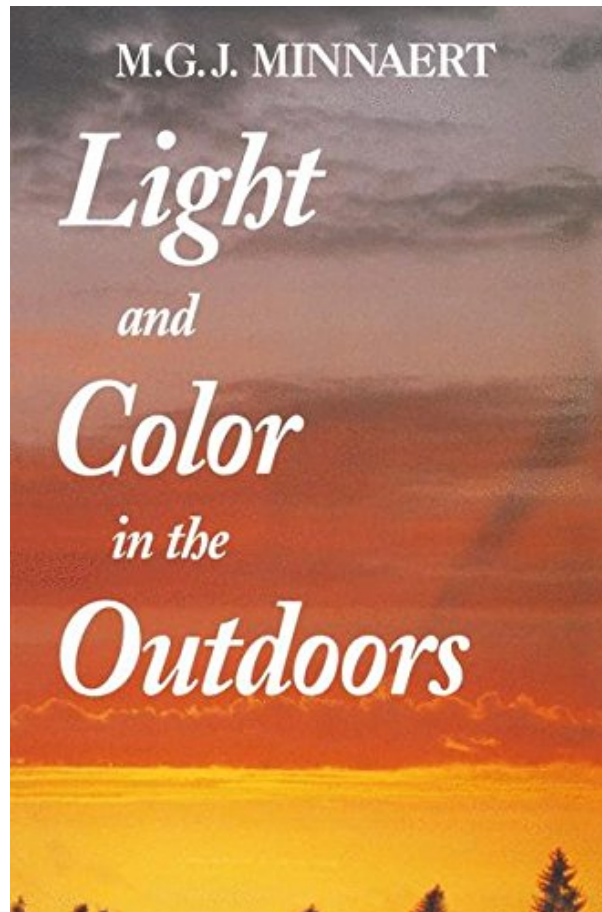
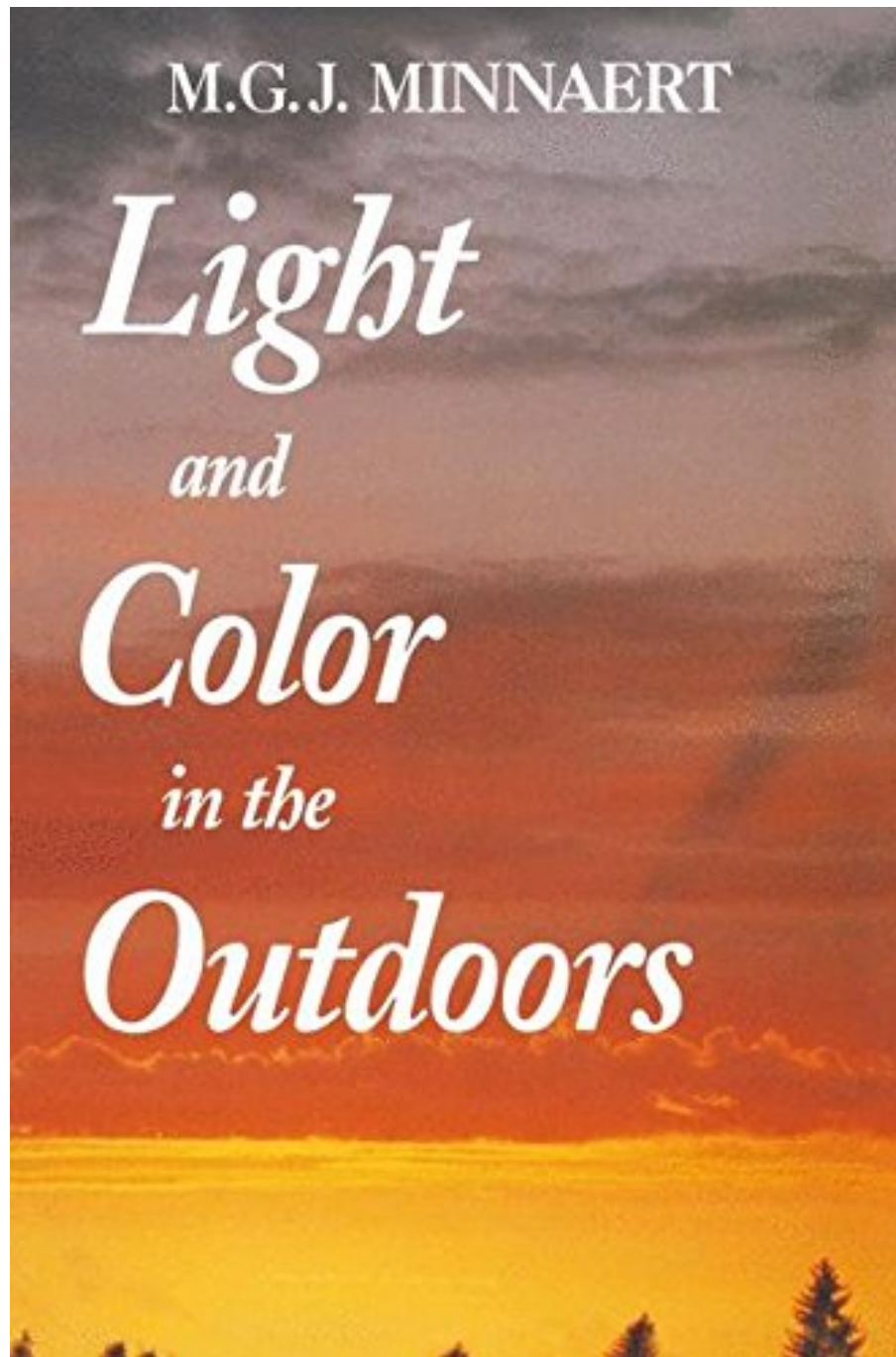


LIGHT AND COLOR IN THE OUTDOORS BY MARCEL MINNAERT



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Review

"Minnaert's book is a gem!...It is a wonderful book that should be known by everyone who has an interest in the natural visual world." Am. J. Phys.

"...just about everything imaginable that refracts or reflects light or shows color...a marvelous book, one that I highly recommend to every observer" Sky & Telescope

Language Notes

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LIGHT AND COLOR IN THE OUTDOORS BY MARCEL MINNAERT PDF

All of science springs from the observation of nature. In this classic book, the late Professor Minnaert accompanies the reader on a tour of nature's light and color and reveals the myriad phenomena that may be observed outdoors with no more than a pair of eyes and an enquiring mind. From the intriguing shape of the dapples beneath a tree on a sunny day, via rainbows, mirages, and haloes, the colors of liquid, ice, and the sky, to the appearance of the sun, moon, planets, and stars - Minnaert describes and explains them all in a clear language accessible to laymen. This new English edition is supplemented by 80 plates, over half of them in color, taken by the acclaimed photographer Pekka Parviainen, illustrating many of the phenomena - ordinary and exotic - discussed in the book.

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- Dimensions: 9.52" h x 1.07" w x 6.42" l, 1.98 pounds
- Binding: Hardcover
- 417 pages

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Most helpful customer reviews

4 of 4 people found the following review helpful.

Best left unexamined?...think again

By Dylan Reid

Prior to reading this book, communicating a love of and appreciation for the outdoor experience of natural phenomena was often frustrating. This book has provided me with a new lexicon that helps me bridge the gap between intuition and the elementary physics of the first-hand viewing perspective. At times there are sections that are a bit of a slog (e.g. the revelation of the nuances of viewing a scene through pane vs. plate glass) but that criticism is more than balanced by many excellent observations and curious examinations of the changing relationships between the observer and the scene viewed. After reading this book, I have embarked on reviewing many of the photos that I have taken in my travels. I have been astonished by the number details that had escaped me (and for which I had zero appreciation) prior to reading Minnaert's book. One of the techniques I have used extensively is viewing inverted digital photographs of panoramic scenes

reflected in water using image editing software. The fact that the reflected scene is viewed from the perspective of an underwater observer (buy the book for a full explanation) is a revelation that provided me with some good natured fun at the expense of disorienting a friend when I inverted a photograph of lake scene from a hiking (or SCUBA diving?) trip to Alaska.

19 of 19 people found the following review helpful.

Great, great, great. Lives up to its promise.

By A Customer

Had the Dover edition (still available) for years, it's wonderful. Saw the updated hardbound edition and shelled out fifty bucks on the spot, it's even better. If you have any interest in shadows, rainbows, halos, mirages, etc. you will find this book enormously satisfying. I've never seen such a wealth of phenomena so well observed, analyzed, and described. You will see more and notice more after you read this book. What is it? It's not quite optics, not quite natural history, not quite psychophysics or perceptual psychology. Unique. Reading Jack London and wonder what sun-dogs are? Reach for this book. Reading Hersey's "The War Lover" and wonder about the glory around airplane shadows? Reach for this book.

42 of 42 people found the following review helpful.

A Change-Your-Life Classic

By Edward Tufte

This deeply perceptive book changes our own perceptions of all kinds of light and color events in the outdoors. You will never see the same way again outdoors. Some examples involve elementary optics (which explain the visual phenomena) but nearly all the 278 short chapters can be appreciated by the visually alert reader. My favorite examples include dappled light, rainbows (there are always two), and differences between reflected and transmitted light in seeing leaves and grass. The Dover edition is fine; the Springer-Verlag edition is better with its excellent color photographs.

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