



# Color Constancy

*Marc Ebner*

Download now

[Click here](#) if your download doesn't start automatically

# Color Constancy

*Marc Ebner*

## **Color Constancy** Marc Ebner

A human observer is able to recognize the color of objects irrespective of the light used to illuminate them. This is called color constancy. A digital camera uses a sensor to measure the reflected light, meaning that the measured color at each pixel varies according to the color of the illuminant. Therefore, the resulting colors may not be the same as the colors that were perceived by the observer. Obtaining color constant descriptors from image pixels is not only important for digital photography, but also valuable for computer vision, color-based automatic object recognition, and color image processing in general.

This book provides a comprehensive introduction to the field of color constancy, describing all the major color constancy algorithms, as well as presenting cutting edge research in the area of color image processing. Beginning with an in-depth look at the human visual system, Ebner goes on to:

- examine the theory of color image formation, color reproduction and different color spaces;
- discuss algorithms for color constancy under both uniform and non-uniform illuminants;
- describe methods for shadow removal and shadow attenuation in digital images;
- evaluate the various algorithms for object recognition and color constancy and compare this to data obtained from experimental psychology;
- set out the different algorithms as pseudo code in an appendix at the end of the book.

*Color Constancy* is an ideal reference for practising engineers, computer scientists and researchers working in the area of digital color image processing. It may also be useful for biologists or scientists in general who are interested in computational theories of the visual brain and bio-inspired engineering systems.

 [Download Color Constancy ...pdf](#)

 [Read Online Color Constancy ...pdf](#)

## Download and Read Free Online Color Constancy Marc Ebner

---

### From reader reviews:

#### **Myra Lopez:**

What do you concerning book? It is not important together with you? Or just adding material if you want something to explain what you problem? How about your time? Or are you busy person? If you don't have spare time to accomplish others business, it is make you feel bored faster. And you have time? What did you do? Everybody has many questions above. The doctor has to answer that question simply because just their can do which. It said that about e-book. Book is familiar on every person. Yes, it is right. Because start from on guardería until university need this kind of Color Constancy to read.

#### **Robbie Stamant:**

Hey guys, do you wants to finds a new book to study? May be the book with the headline Color Constancy suitable to you? Often the book was written by well-known writer in this era. The book untitled Color Constancy is the one of several books which everyone read now. This specific book was inspired a lot of people in the world. When you read this book you will enter the new dimension that you ever know previous to. The author explained their idea in the simple way, consequently all of people can easily to comprehend the core of this guide. This book will give you a lots of information about this world now. So you can see the represented of the world in this particular book.

#### **Larry Hunter:**

Color Constancy can be one of your beginner books that are good idea. Many of us recommend that straight away because this e-book has good vocabulary that may increase your knowledge in words, easy to understand, bit entertaining but delivering the information. The copy writer giving his/her effort that will put every word into satisfaction arrangement in writing Color Constancy yet doesn't forget the main level, giving the reader the hottest along with based confirm resource facts that maybe you can be one among it. This great information can certainly drawn you into brand-new stage of crucial imagining.

#### **Larry Moore:**

You may spend your free time you just read this book this publication. This Color Constancy is simple to deliver you can read it in the playground, in the beach, train as well as soon. If you did not get much space to bring the particular printed book, you can buy the particular e-book. It is make you much easier to read it. You can save often the book in your smart phone. Therefore there are a lot of benefits that you will get when you buy this book.

**Download and Read Online Color Constancy Marc Ebner  
#SLKVI065P93**

## **Read Color Constancy by Marc Ebner for online ebook**

Color Constancy by Marc Ebner Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Color Constancy by Marc Ebner books to read online.

### **Online Color Constancy by Marc Ebner ebook PDF download**

**Color Constancy by Marc Ebner Doc**

**Color Constancy by Marc Ebner Mobipocket**

**Color Constancy by Marc Ebner EPub**