

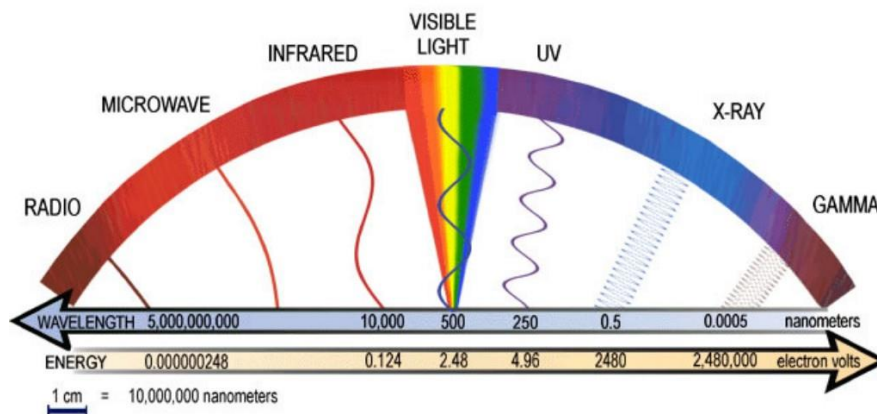
On Light



<http://www.loveanda35.com>

Light

light, electromagnetic radiation that can be detected by the human eye. Electromagnetic radiation occurs over an extremely wide range of wavelengths, from gamma rays, with wavelengths less than about 1×10^{-11} metre, to radio waves measured in metres.



Light in Photography

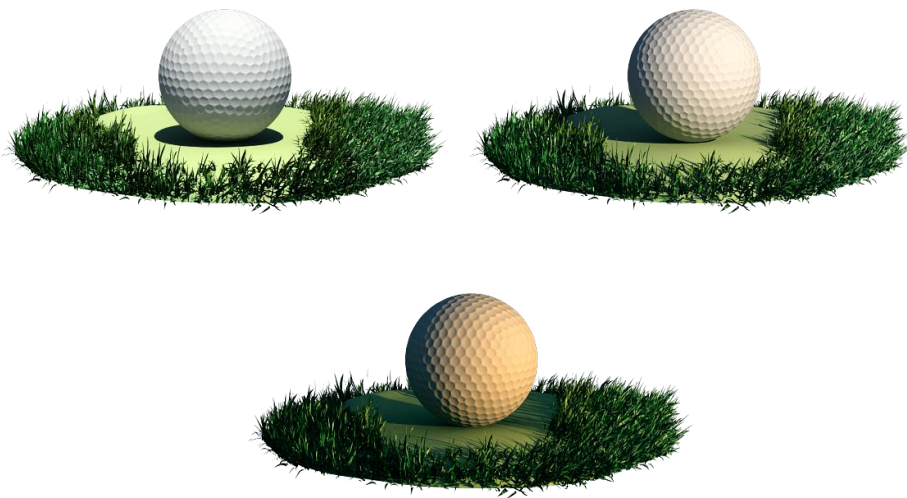
Light in photography is a very important element. Together with composition it is the basic element that is required in taking an image. Purist will tell you that only the perfect light is good enough for an image to stand out, but what is considered 'good light'?

Is there such a thing as 'bad light'? Not necessarily but it depends what you are aiming for and the type of photography that you are into.

Natural light

Observing natural light is important in photography. Three factors influence how natural light renders a subject: time of the day, weather and camera direction.

During the day the direction of the sun will change influencing colour and contrast.



White Balance

Colour temperature is a characteristic of visible light and is measured in Kelvin (K). A light having higher colour temperature will have more blue light or larger Kelvin value as compared to lower light, which has a smaller Kelvin value.

The human eyes can automatically adjust to different lights and colour temperatures to sense right colour, a camera needs to be adjusted to different lights for accurate colour reproduction.

By adjusting the white balance setting of a camera, one can alter the required light or temperature to produce the most accurate colours in an image.

White Balance Table

COLOUR TEMPERATURE	LIGHT SOURCES
10000 – 15000 K	Clear blue sky
6500 – 8000 K	Cloudy sky / shade
6000 – 7000 K	Noon sunlight
5500 – 6500 K	Average daylight
5000 – 5500 K	Electronic flash
4000 – 5000 K	Fluorescent light
3000 – 4000 K	Early morning / late evening
2500 – 3000 K	Domestic lightning
1000 – 2000 K	Candle light

Photography Foundations

Photography Foundations

- 10 lessons to improve your photography -

Upon course completion, we are convinced that the you have gained the knowledge to bring your photography to a next level improving your images and experience a greater joy in your hobby!

TOPICS:

- A short history of photography
 - Film photography
 - Digital photography
- Genres of photography
 - Focal lengths
 - Shooting modes
 - Colour
 - Black and white
 - Light
 - Composition

for more information visit: <http://www.loveanda35.com>

Clear Midday Sunshine



Venice, Italy – September 2011

Mid-Morning / Evening



Auckland, New Zealand – October 2012

Golden Hour / Sunrise / Sunset



Kinderdijk – April 2015

All images Jan W. Mooren

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