

WHITE BALANCE

Color temperature is measured in “Kelvins.”

Setting a camera to 10,000K will warm up the photograph, while setting the number lower to 2,500 will cool it down.

	Automatic White Balance
	Daylight (5600k)
	Shadow (7000K)
	Cloudy (6000K)
	Tungsten (3200K)
	Fluorescent (4000K)
	Flash (5500K)
	Custom White Balance
	User Defined

WHITE BALANCE



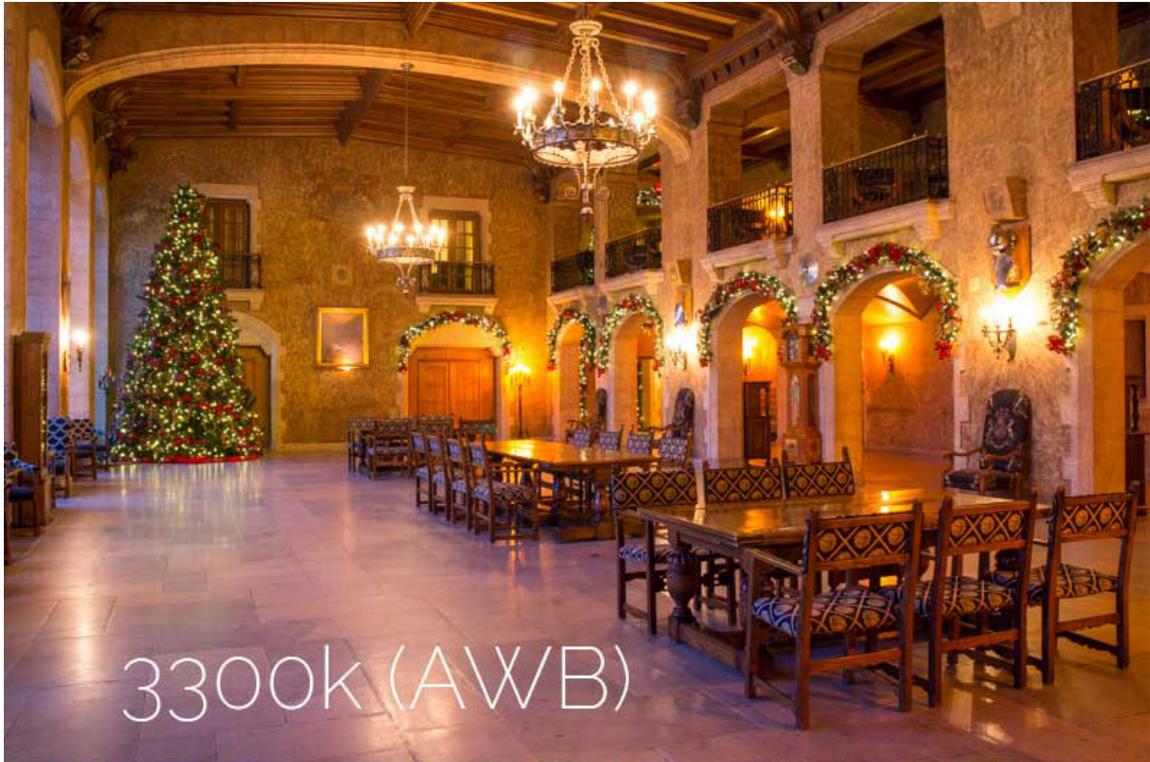
White Balance



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<http://shuttermuse.com/what-is-white-balance/>

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White Balance Resources:

<http://www.cambridgeincolour.com/tutorials/white-balance.htm>

Easy way to set custom white balance

<https://www.lightstalking.com/white-balance/>

Custom White Balance: Tips for Canon and Nikon users:

<https://www.digitalphotomentor.com/how-to-use-a-gray-card-for-custom-white-balance-and-metering/>

Compare Auto White Balance to Custom White Balance

<http://learnmyshot.com/color-correction-how-to-set-custom-white-balance-in-dslr-camera/>

Step by step with an older Canon dSLR

Creative applications:

<https://digital-photography-school.com/guide-creative-white-balance-landscape-photography/>

The **Kelvin scale** is an absolute thermodynamic temperature scale using as its null point absolute zero, the temperature at which all thermal motion ceases in the classical description of thermodynamics. The **kelvin** (symbol: K) is the base unit of temperature in the International System of Units (SI).

The **Kelvin scale** is named after the Belfast-born, Glasgow University engineer and physicist William Thomson, 1st Baron Kelvin (1824–1907), who wrote of the need for an "absolute thermometric scale". Unlike the degree Fahrenheit and degree Celsius, the kelvin is not referred to or typeset as a degree.

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Temperature	Source
1700 K	Match flame, low pressure sodium lamps (LPS/SOX)
1850 K	Candle flame, sunset/sunrise
2400 K	Standard incandescent lamps
2550 K	Soft white incandescent lamps
2700 K	"Soft white" compact fluorescent and LED lamps
3000 K	Warm white compact fluorescent and LED lamps
3200 K	Studio lamps, photofloods, etc.
3350 K	Studio "CP" light
4100–4150 K	Moonlight ^[3]
5000 K	Horizon daylight
5000 K	Tubular fluorescent lamps or cool white/daylight compact fluorescent lamps (CFL)
5500–6000 K	Vertical daylight, electronic flash
6200 K	Xenon short-arc lamp ^[4]
6500 K	Daylight, overcast
6500–9500 K	LCD or CRT screen
15,000–27,000 K	Clear blue poleward sky
These temperatures are merely characteristic; there may be considerable variation.	

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Comparison of a standard 60 watt (W) frosted incandescent lamp with a color temperature of approximately 2700 kelvin (K), a 13 W 3500 K compact fluorescent lamp, and a 13 W 5500 K compact fluorescent lamp. These lamps are all similar in lumen output, only the color temperature is different.

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Useful videos:

In plain talk: (watch first 6 minutes)

<https://www.youtube.com/watch?v=0IaV1JFLbig>

From Photo Extremist: Explains white balance settings in an understandable way.

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GET IT IN CAMERA.

6 Tips: How to Understand White Balance and Color Temperature:
SLR Lounge

<https://www.youtube.com/watch?v=ewW8DW03aNc&t=89s>

Getting it right in camera!!

<https://www.youtube.com/watch?v=6S3T-qQFZsA>

From Mike Browne:

https://www.youtube.com/watch?v=fgyjxQxX_GI

<https://www.youtube.com/watch?v=fsSpoKdcFws>