White Balance

White balance is a function of a digital camera used to compensate for

different colors of light being emitted by different light sources. In

digital photography the term is generally used to describe a function

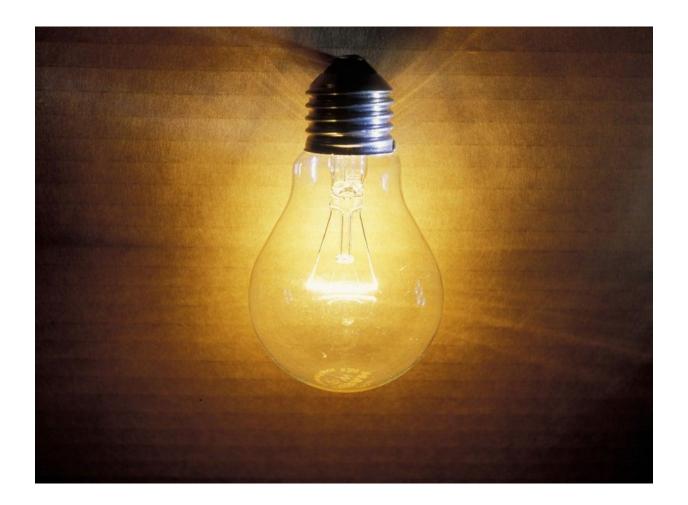
of a digital camera that allows you to calibrate the device to correctly

display the color white. Once this calibration has been done, the

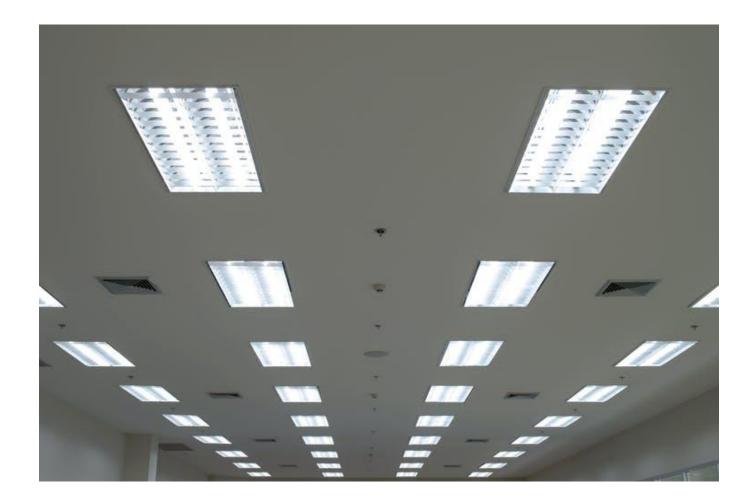
camera should then display other colors correctly as well.

It's about "temperature"

Incandescent



Fluorescent



Shade

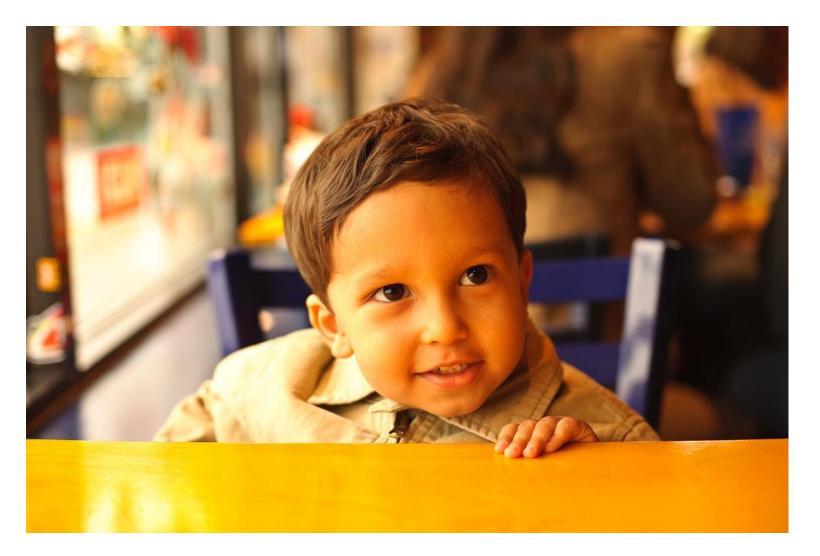


Sunny



Cloudy







White Balance









If color film is not designed for certain kinds of light, a filter must be installed on the end of the lens

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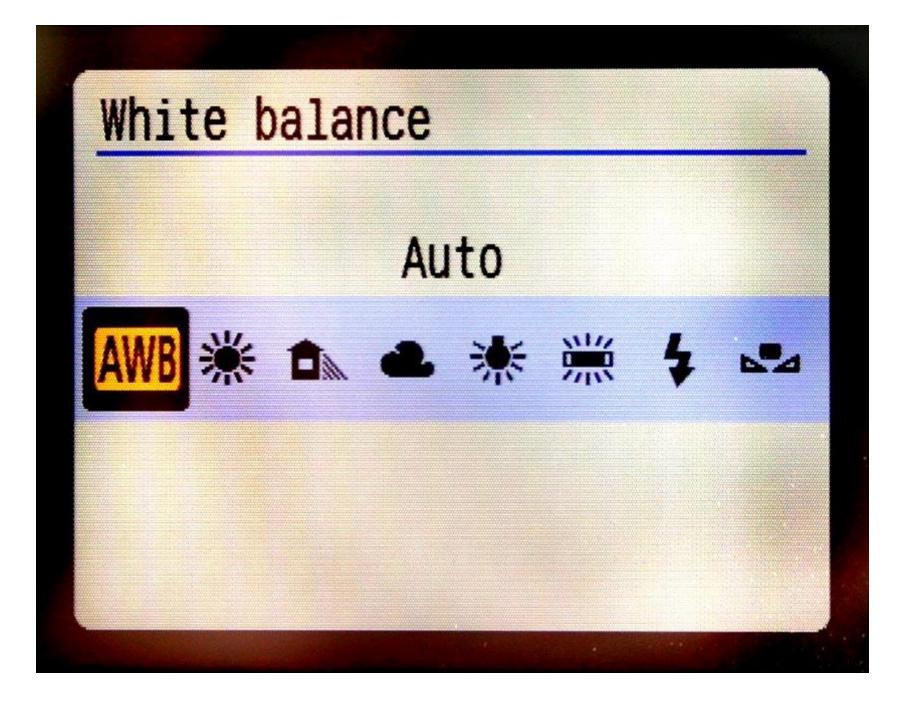
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AWB





Shade



Tungsten (Incandescent)



Fluorescent

Sunny



2,200K High Pressure Sodium Lamp

2,700-3,000K re Warm White Halogen Incandescent

4,000-4,500K Natural White Metal Halide

4,800K Direct Sun

5,000-6,000K Day White

7,000-7,500K White Cool White 10,000K Blue Sky



Tungsten (Incandescent)



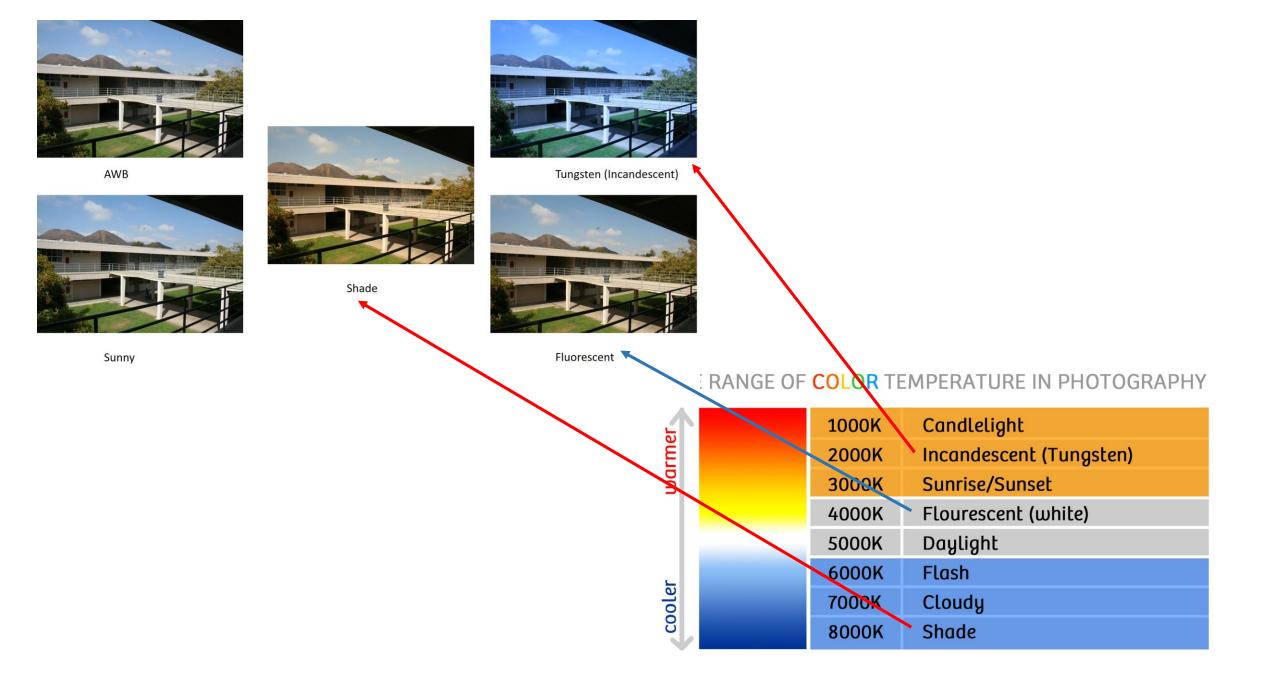


Sunny/AWB

Shade

THE RANGE OF COLOR TEMPERATURE IN PHOTOGRAPHY

marmer	1000K	Candlelight
	2000K	Incandescent (Tungsten)
	3000K	Sunrise/Sunset
	4000K	Flourescent (white)
cooler	5000K	Daylight
	6000K	Flash
	7000K	Cloudy
	8000K	Shade



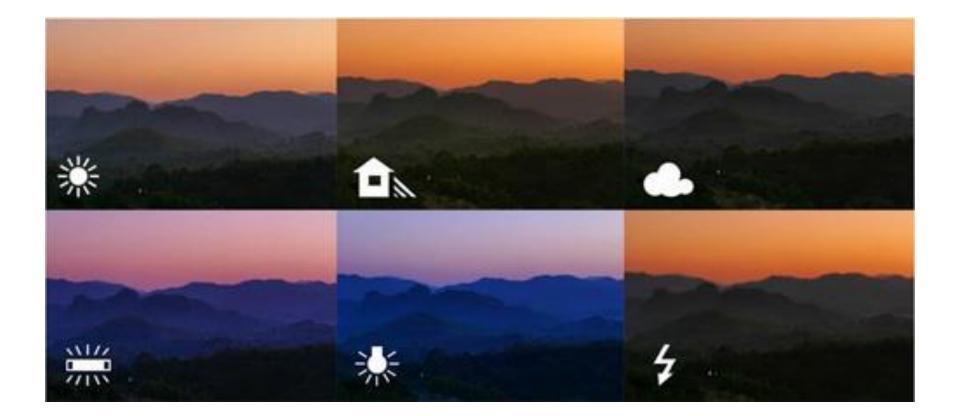
Why would you ever want to shoot on a White Balance that does not match the light cast in the scene?

To enhance a color cast for aesthetic reasons



To enhance a mood







Auto

Tungsten

Shade



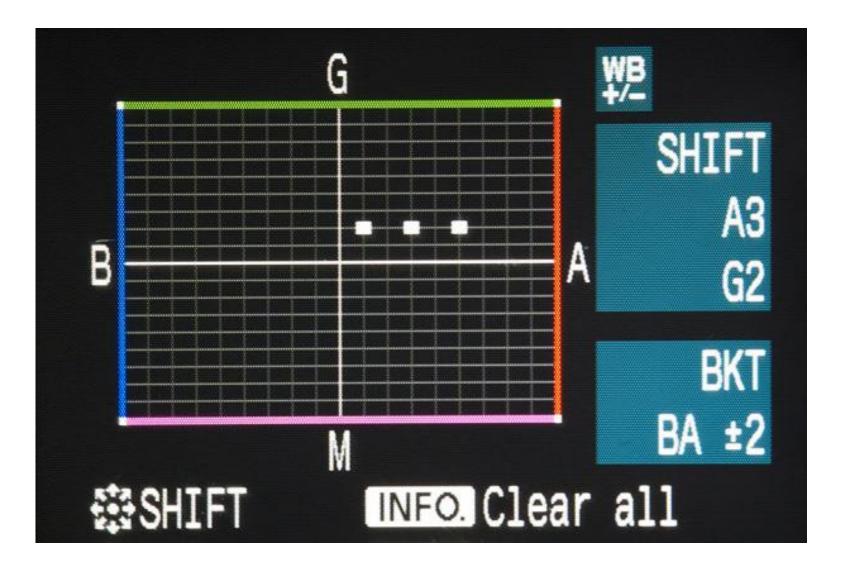




Cloudy



Custom WB



White Balance Bracketing