

### How to Use Your Camera's KELVIN SETTINGS



by Clem Wehner

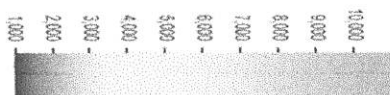
Color temperature is a way of  
precisely defining a specific color

The problem:

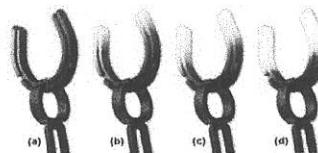
**X X X X X**

*Let's review*

### Color Temperature



The color of heated metal changes with  
temperature



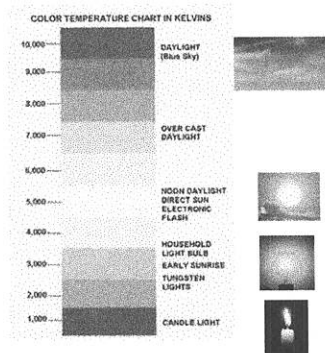
hotter =====>

### Color Temperature expressed in (degrees) Kelvin



Lord Kelvin- 1800s

1 degree kelvin = about 2 degrees Fahrenheit



**Color Temperature Uses**

The image shows a camera's LCD screen with various menu options like ISO, WB, and Picture Style. To the right, there is a close-up of a light bulb's base and a full view of a compact fluorescent light bulb.

1,000 2,000 3,000 4,000 5,000 6,000 7,000 8,000 9,000 10,000

?????

2500K 5000K 10000K

**Changing Kelvin for Special Effects**

The LCD screen shows camera settings with 'WhiteBalance: 3200K' circled in red. Other settings visible include ISO 400, Shutter 1/58, Aperture f/4.5, and Flash REcomp: 0.0 EV.

In Light bulbs:

Lower Kelvin is warmer

The image shows a compact fluorescent light bulb and a Kelvin scale below it, ranging from 1,000 to 10,000.

**Shifting the Kelvin settings**

Can cool down or warm up an image

2500K 5000K 10000K

Lower Kelvin = more blue Higher Kelvin = more red

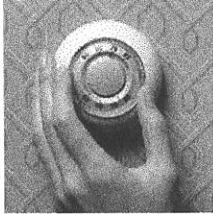
In photography:

Lower Kelvin is a cooler color

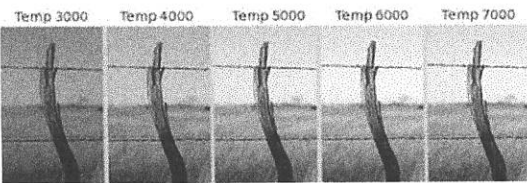
2700 KELVIN 10000 KELVIN

Higher Kelvin is warmer color

Remember it this way

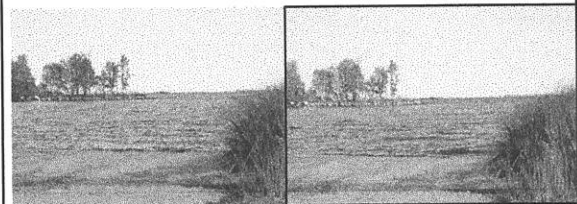


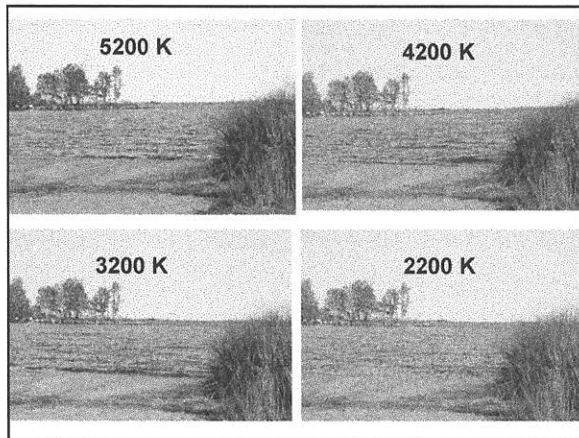
To make it warmer,  
increase the temperature



Making Water More Blue

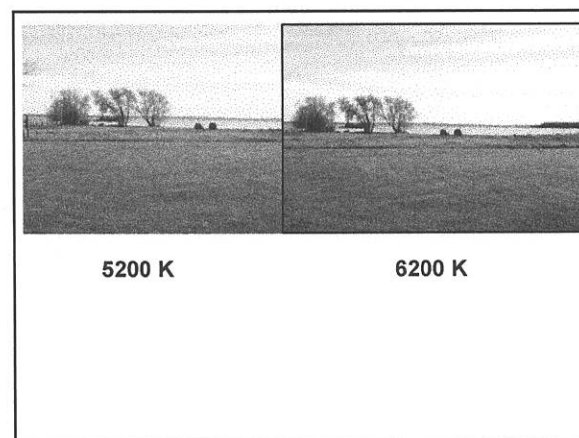
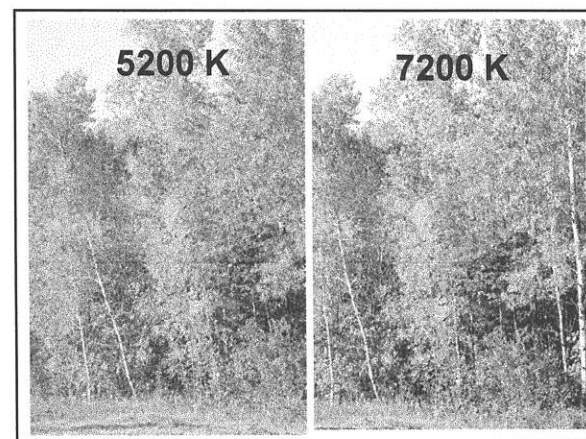
Making Skies More Blue



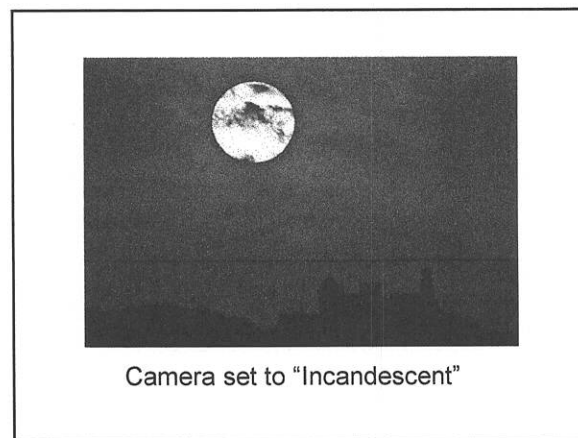
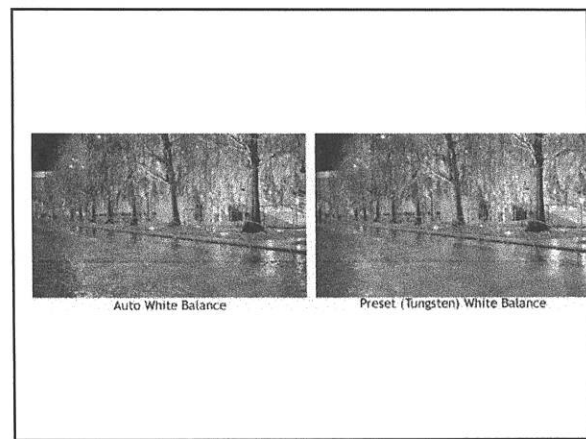
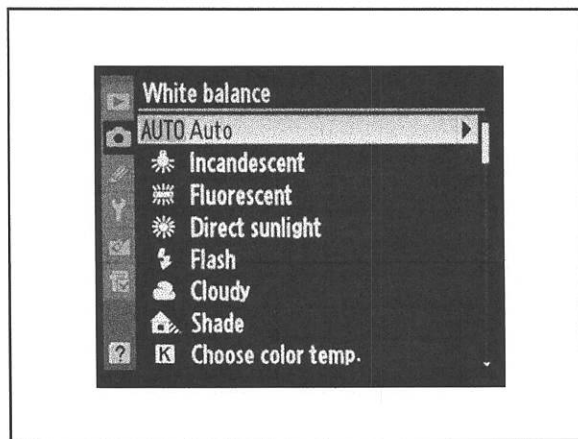
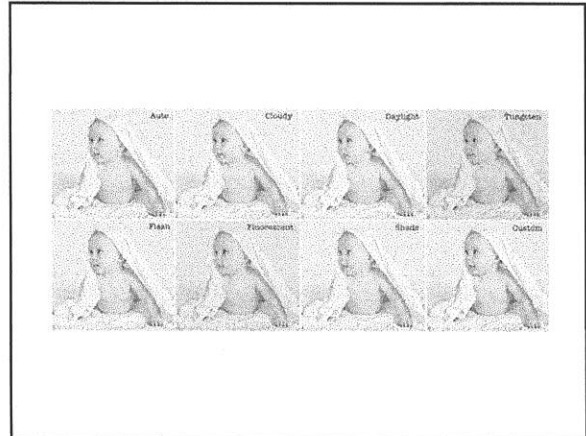
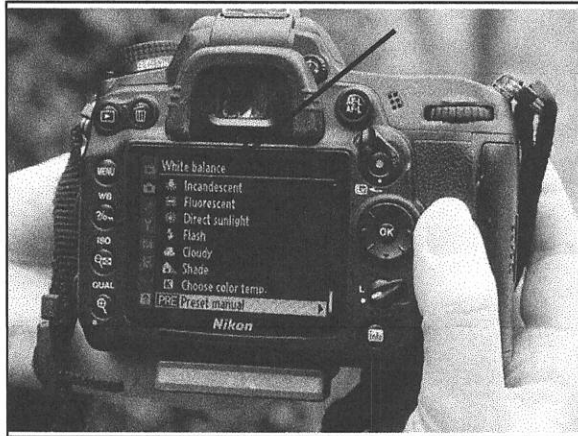


Enhancing Fall Foliage

Warming Landscapes



Using Pre-set  
White Balance Settings



Try it:

Change the Kelvin settings

OR

Change the White Balance Pre-sets

See what you get!