White Balance

DIGITAL PHOTOGRAPHY

White Balance

Wednesday, October 10, 2012

White Balance (WB) is the process of removing unrealistic color casts, so that objects which appear white in person are rendered white in your photo. Proper camera white balance has to take into account the “color temperature’ of a light source, which refers to the relative warmth or coolness of white light.

Our eyes are very good at judging what is white under different light sources, however digital cameras often have great difficulty with auto white balance (AWB).

An incorrect WB can create unsightly blue, orange or even green color casts, which are unrealistic and damaging to portraits.

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White Balance

- Remove unrealistic color casts using white as reference.

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- Remove unrealistic color casts using white as reference.
- Color temperature.

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White Balance

- Remove unrealistic color casts using white as reference.
- Color temperature.
- Best White Balance instrument?

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Where to setup?

Where to setup?

Where to setup?

Where to setup?

Where to setup?

AWB Auto

Where to setup?

AWB Auto

Daylight

Where to setup?

AWB Auto

Daylight
+ warm tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten
+ cool tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten
+ cool tones

Flash

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten
+ cool tones

Flash
+ warm tones

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten
+ cool tones

Flash
+ warm tones

Custom

Where to setup?

AWB Auto

Daylight
+ warm tones

Cloudy
+ warm tones

Shade
+ warm tones

Fluorescent
+ red tones

Tungsten
+ cool tones

Flash
+ warm tones

Custom
user sets WB

Examples

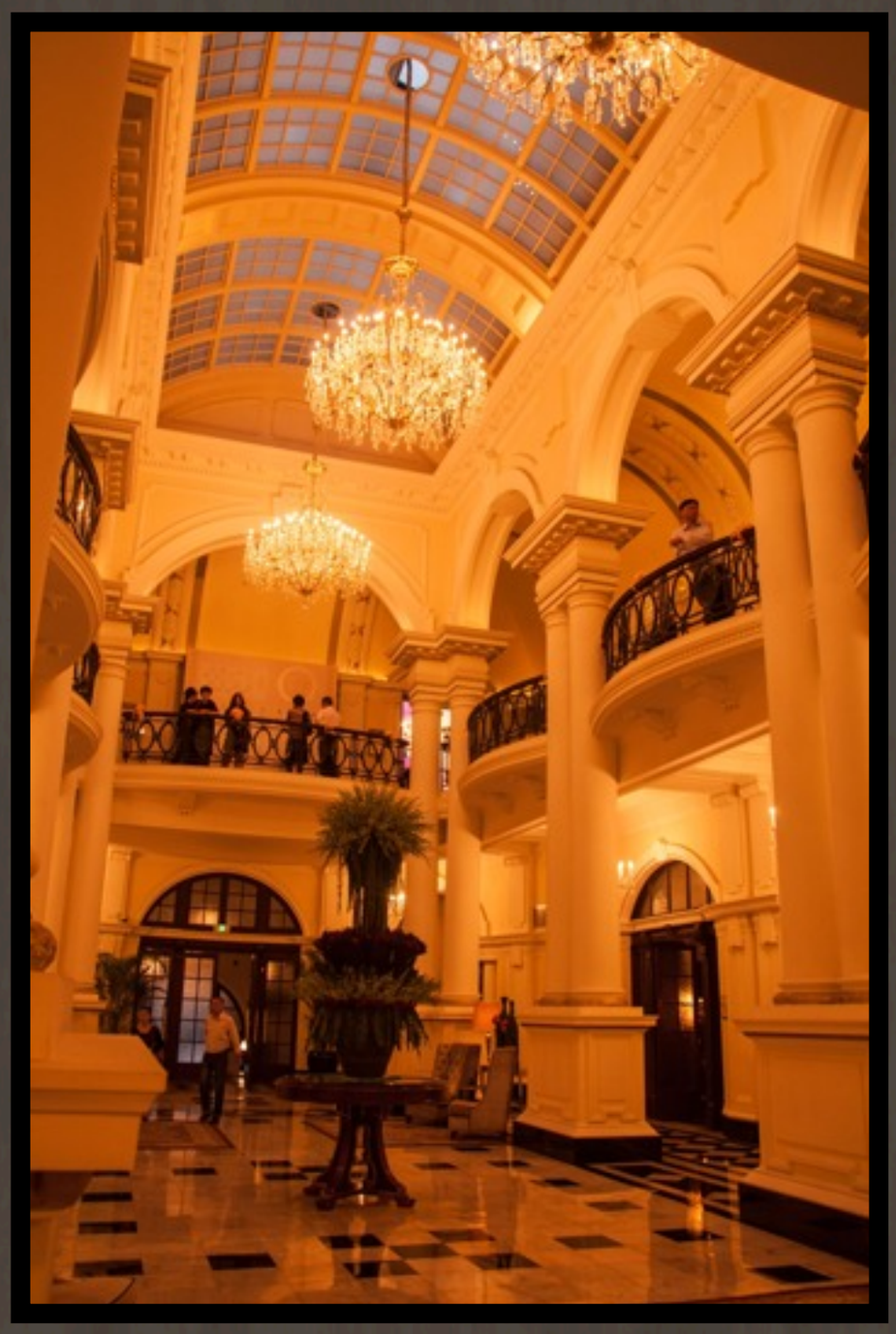
Examples

Examples

Examples

Examples

Examples



Examples

Examples