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**Improving Your  
Photographic Images**

Greg Stewart



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**Improving Your  
Photographic Images**

Greg Stewart



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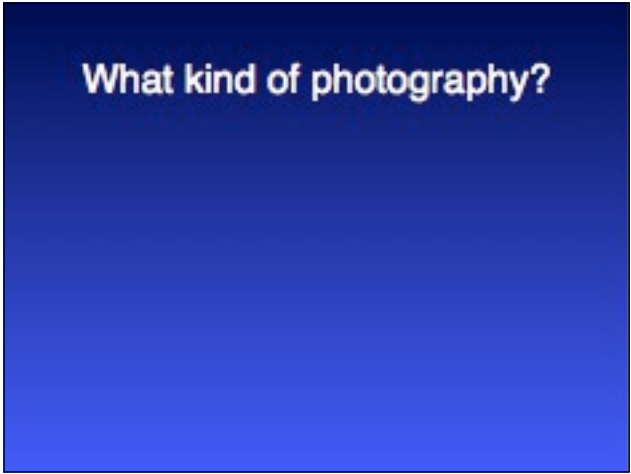
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# What kind of photography?

Personal/recreational?



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# What kind of photography?

Personal/recreational?



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# What kind of photography?

Personal/recreational?



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# What kind of photography?

Personal/recreational?



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What kind of photography?

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13

What kind of photography?

Note Taking?



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14

What kind of photography?

Note Taking?



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What kind of photography?

Note Taking?



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16

What kind of photography?

Note Taking?



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What kind of photography?

Note Taking?



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What kind of photography?

Note Taking?



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What kind of photography?

Note Taking?



20

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What kind of photography?

Note Taking?



21

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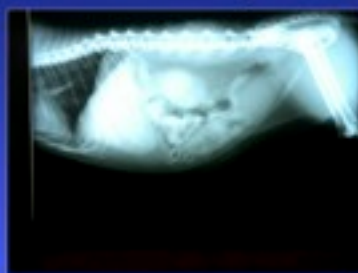
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What kind of photography?

Note Taking?



22

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What kind of photography?

Record?



23

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What kind of photography?

Record?



24

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What kind of photography?

Record?



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What kind of photography?

Record?



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What kind of photography?

Record?



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What kind of photography?

Record?



28

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What kind of photography?

Record?



29

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What kind of photography?

Record?



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What kind of photography?

Record?



31

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What kind of photography?

Record?



32

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# What kind of photography?

Publication?

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33

# What kind of photography?

Marketing, Public Relations, and News?

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34

# What kind of photography?

Marketing, Public Relations, and News?



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35

# What kind of photography?

Marketing, Public Relations, and News?



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36

# What kind of photography?

Marketing, Public Relations, and News?



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# What kind of photography?

Marketing, Public Relations, and News?



38

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# What kind of photography?

Marketing, Public Relations, and News?



39

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# What kind of photography?

Marketing, Public Relations, and News?



40

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# What kind of photography?

Marketing, Public Relations, and News?



41

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# What kind of photography?

Marketing, Public Relations, and News?



42

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# What kind of photography?

Marketing, Public Relations, and News?



43

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# What kind of photography?

Marketing, Public Relations, and News?



44

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# What kind of photography?

Indoor?

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45

# What kind of photography?

Indoor?



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46

# What kind of photography?

Indoor?



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47

# What kind of photography?

Indoor?



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48

# What kind of photography?

Indoor?



49

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# What kind of photography?

Outdoor?

50

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# What kind of photography?

Outdoor?



51

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# What kind of photography?

Outdoor?



52

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# What kind of photography?

Outdoor?



53

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# What kind of photography?

Outdoor?



54

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# What kind of photography?

Outdoor?



55

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# What kind of photography?

Video?

56

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# What kind of photography?

Video?



57

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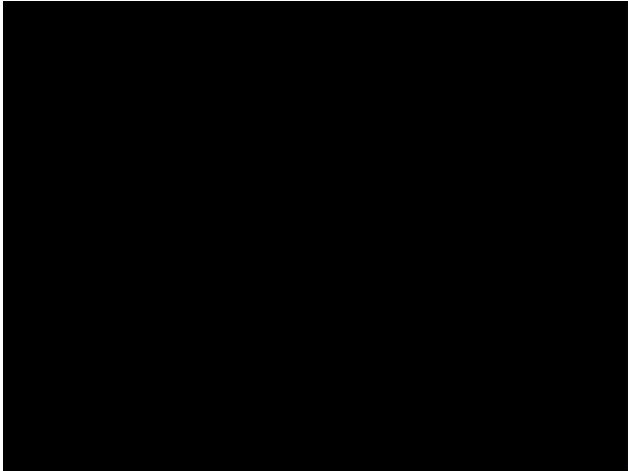
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# What kind of camera?

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# What kind of camera?

Single lens reflex?

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# What kind of camera?

Mirrorless?



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# What kind of camera?

Point and shoot?



62

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# What kind of camera?

Cell phone?



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# What kind of camera?

Cell phone?



64

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# What kind of camera?

Video camera?



65

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## Digital Camera Sensor

The light sensitive part of the camera that when combined with memory, takes the place of film.

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## Digital Camera Sensor



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## Digital Camera Sensor



72

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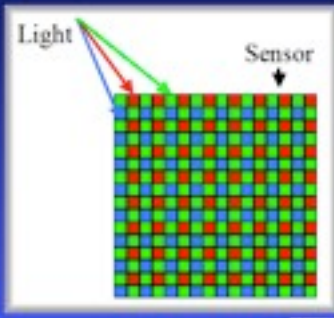
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# Digital Camera Sensor



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# Digital Camera Sensor



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# Digital Camera Sensor



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# Digital Camera Sensor

Sensor Sizes



76

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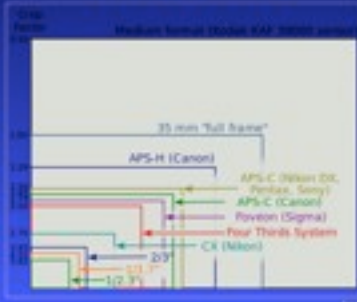
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# Digital Camera Sensor

## Sensor Sizes



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# Digital Camera Sensor

## Sensor Sizes



78

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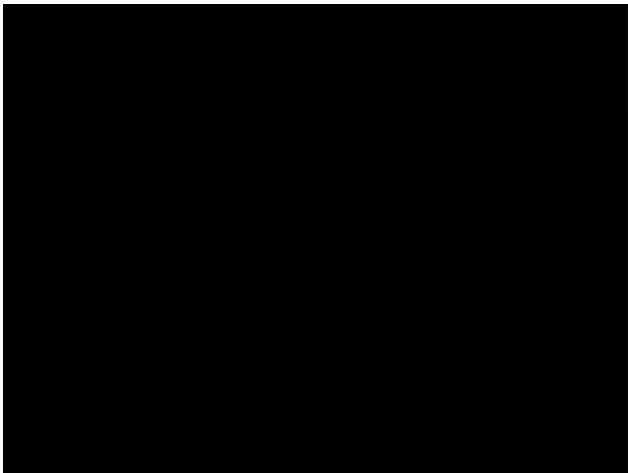
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79

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# Camera Exposure

80

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# Camera Exposure

Exposure = Intensity X Time

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81

# Camera Exposure

Exposure Controls On a Camera

- Shutter Speed
- f/stop

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82

# Camera Exposure

Exposure Controls On a Camera

1 1/2 1/4 1/8 1/15 1/30 1/60 1/125 1/250 1/500 1/1000  
More Exposure (Slower Speeds) ← → Less Exposure (Faster Speeds)

- Shutter Speed

1.4 2 2.8 4 5.6 8 11 16 22  
More Exposure ← → Less Exposure

- f/stop

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83

# Camera Exposure

Exposure Controls On a Camera



•Shutter Speed



•f/stop

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84

# Camera Exposure

Exposure Controls On a Camera



•Shutter Speed



•f/stop

Also ISO

85

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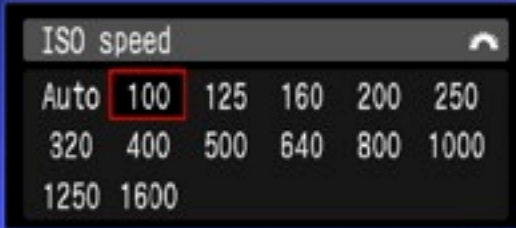
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# Camera Exposure

Exposure Controls On a Camera



86

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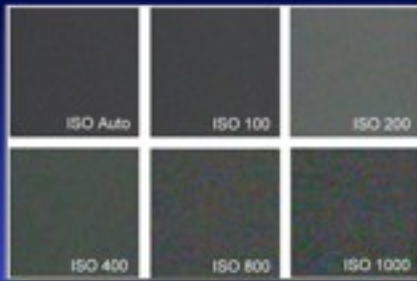
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87

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# Camera Exposure

Middle Gray (Gray Card)

88

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# Camera Exposure

Middle Gray (Gray Card)  
Reflects 18% of light that strikes it

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89

# Camera Exposure

Middle Gray (Gray Card)  
Reflects 18% of light that strikes it

Darkest Tone	Lightest Tone
3	96

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90

# Camera Exposure

Middle Gray (Gray Card)  
Reflects 18% of light that strikes it

Darkest Tone					Lightest Tone
3	6	12	24	48	96

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91

# Camera Exposure

Middle Gray (Gray Card)  
Reflects 18% of light that strikes it

Darkest Tone	18%				Lightest Tone
3	6	12	24	48	96

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92

# Camera Exposure



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93

# Camera Exposure



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94

# Camera Exposure



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95

# Camera Exposure

Automatic Exposure and  
Subject Failure

Exposure meters are calibrated to  
middle gray.

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96



# Camera Exposure

Automatic Exposure and Subject Failure

Exposure meters are calibrated to middle gray.



97

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# Camera Exposure

Automatic Exposure and Subject Failure



98

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# Camera Exposure

Automatic Exposure and Subject Failure



99

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# Camera Exposure

Automatic Exposure and Subject Failure



100

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# Camera Exposure

Automatic Exposure and Subject Failure



101

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# Camera Exposure

Automatic Exposure and Subject Failure



102

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# Camera Exposure

Automatic Exposure and Subject Failure



103

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# Camera Exposure

Automatic Exposure and Subject Failure



104

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# Camera Exposure

Automatic Exposure and Subject Failure



105

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# Camera Exposure

Automatic Exposure and Subject Failure



106

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# Camera Exposure

Automatic Exposure and Subject Failure



107

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# Camera Exposure

Automatic Exposure and Subject Failure



108

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# Camera Exposure

## Using Histograms to Check Exposure

A histogram is a graphical way of seeing the distribution of pixels from dark to light.

109

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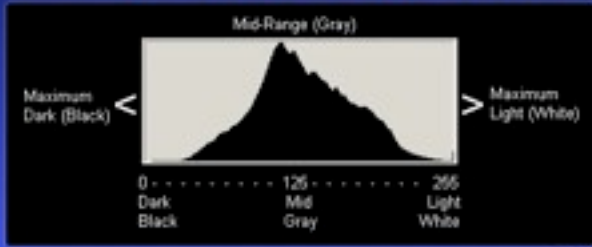
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# Camera Exposure

## Using Histograms to Check Exposure



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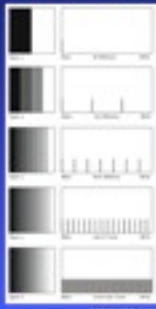
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# Camera Exposure

## Using Histograms to Check Exposure



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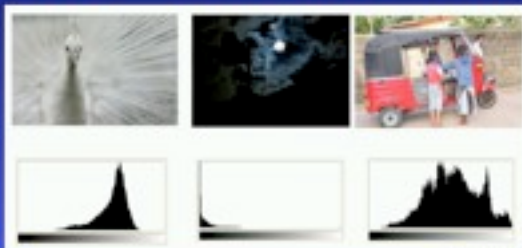
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# Camera Exposure

## Using Histograms to Check Exposure



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# Camera Exposure

Using Histograms to Check Exposure



113

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# Camera Exposure

Using Histograms to Check Exposure



114

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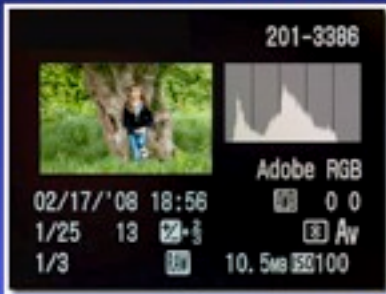
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# Camera Exposure

Using Histograms to Check Exposure



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# Camera Exposure

Using Histograms to Check Exposure



116

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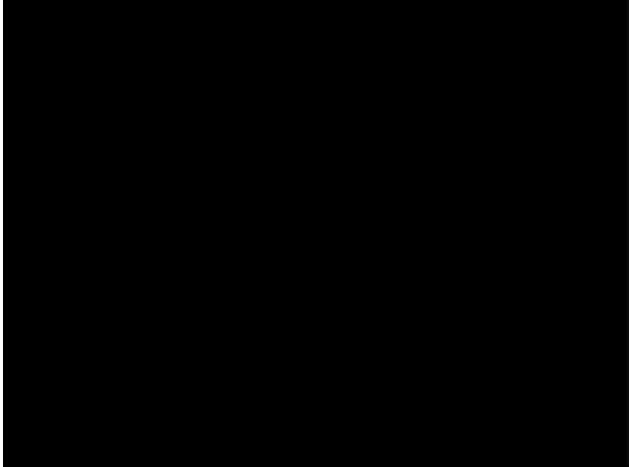
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117

**Camera White Balance**  
 Removing color casts from photographs.

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118

**Camera White Balance**  
 Removing color casts from photographs.




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119

**Camera White Balance**  
 Removing color casts from photographs.




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120

# Camera White Balance

Removing color casts from photographs.



121

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# Camera White Balance

Removing color casts from photographs.



122

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# Camera White Balance

Removing color casts from photographs.



123

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# Photographic Composition

## Center of Interest

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125

# Photographic Composition

## Center of Interest

### Definition:

A single object or event in a photograph that is of primary interest to the viewer. Other elements within the photograph should support and focus attention on the center of interest.

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126

# Photographic Composition

## Center of Interest

The term Center of Interest DOES NOT mean that you should place your subject in the center of the photograph.

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127

# Photographic Composition

## Center of Interest

There are many factors that determine the Center of Interest. They combine in an infinite number of ways depending on the content of the photograph. Here are three of those factors . . .

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128



# Photographic Composition

## Center of Interest

- Try to have one key subject.
- Look for a non-distracting or complimentary background.
- The viewer will be attracted to the lightest tone, the sharpest focus, and the warmest color.

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# Photographic Composition

## Center of Interest



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# Photographic Composition

## Center of Interest



131

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# Photographic Composition

## Center of Interest



132

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# Photographic Composition

Center of Interest



133

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# Photographic Composition

Center of Interest



134

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# Photographic Composition

Rule of Thirds

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# Photographic Composition

## Rule of Thirds



137

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# Photographic Composition

## Rule of Thirds



138

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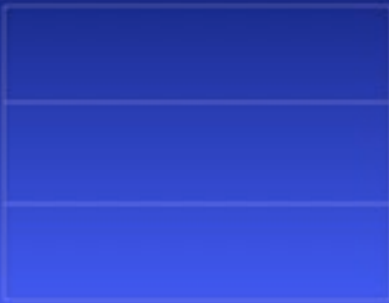
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# Photographic Composition

## Rule of Thirds



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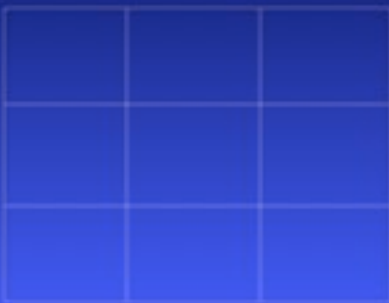
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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



141

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# Photographic Composition

## Rule of Thirds



142

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# Photographic Composition

## Rule of Thirds



143

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# Photographic Composition

## Rule of Thirds



144

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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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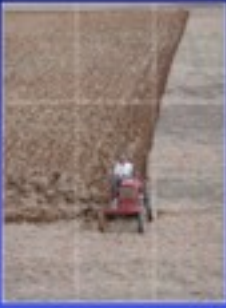
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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

## Rule of Thirds



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# Photographic Composition

Other Tips for Content and Composition

## Focal Length



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# Photographic Composition

Other Tips for Content and Composition

## Camera Angle



166

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# Photographic Composition

Other Tips for Content and Composition

## Camera Angle



167

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# Photographic Composition

Other Tips for Content and Composition

## Camera Angle



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# Photographic Composition

Other Tips for Content and Composition

Camera Angle



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# Photographic Composition

Other Tips for Content and Composition

Leading Lines



170

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# Photographic Composition

Other Tips for Content and Composition

Leading Lines



171

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# Photographic Composition

Other Tips for Content and Composition

Leading Lines



172

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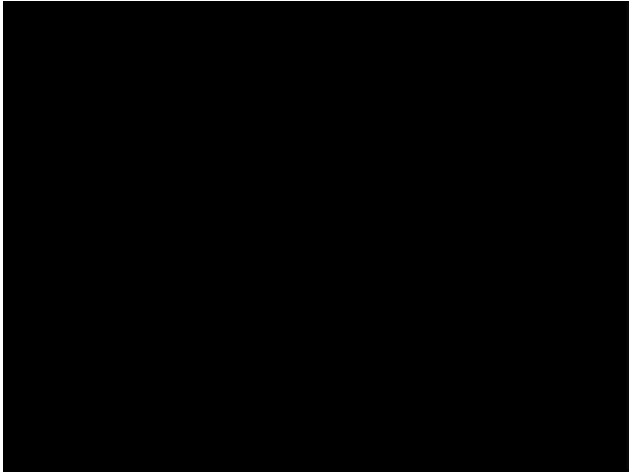
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173

**Photographic Composition**  
 Other Tips for Content and Composition  
 Interesting Subjects




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174

**Photographic Composition**  
 Other Tips for Content and Composition  
 Interesting Subjects




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175

**Photographic Composition**  
 Other Tips for Content and Composition  
 Interesting Subjects




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176

# Photographic Composition

Other Tips for Content and Composition

Interesting Subjects



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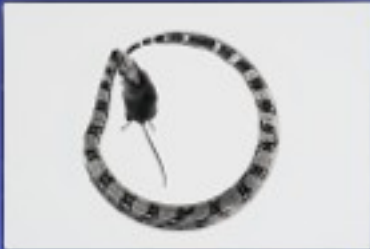
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# Photographic Composition

Other Tips for Content and Composition

Interesting Subjects



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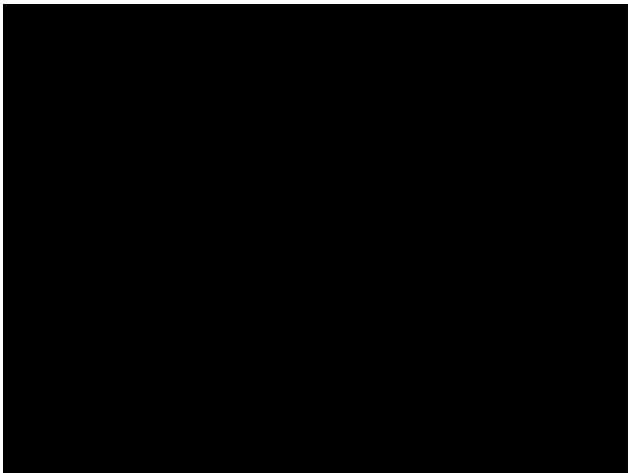
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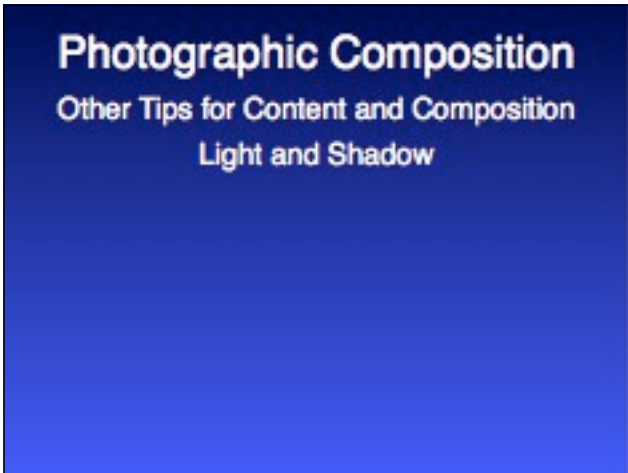
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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



183

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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



184

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# Photographic Composition

Other Tips for Content and Composition

Light and Shadow



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# Photographic Composition

Other Tips for Content and Composition

Strong Color



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# Photographic Composition

Other Tips for Content and Composition

Strong Color



187

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# Photographic Composition

Other Tips for Content and Composition

Strong Color



188

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# Photographic Composition

Other Tips for Content and Composition

Strong Color



189

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# Photographic Composition

Other Tips for Content and Composition

Strong Color



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# Photographic Composition

Be Proactive-Avoid the "Pedestrian" Photograph



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# Photographic Composition

Be Proactive-Avoid the "Pedestrian" Photograph



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# Photographic Composition

Be Proactive-Avoid the "Pedestrian" Photograph



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# Depth of Field

**Definition:**  
Distance in front of and behind the plane of focus where object are acceptably sharp.

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# Depth of Field

## Factors that determine Depth of Field

- f/stop
- Subject Distance
- Focal Length of Lens

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# Depth of Field



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# Depth of Field



Large Depth of Field



Small Depth of Field

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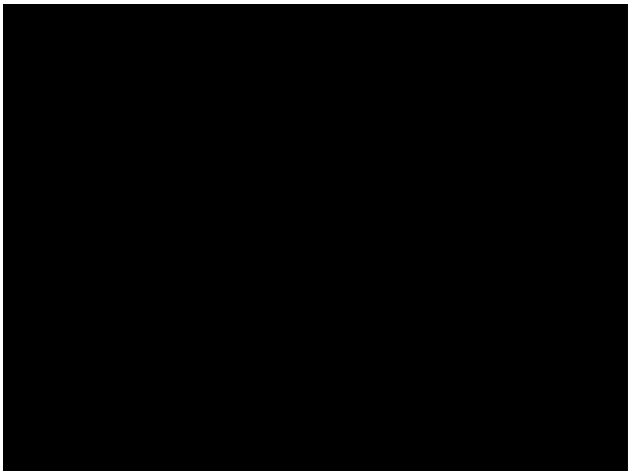
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# Imaging Editing Software

Purchased software

Adobe Photoshop  
Adobe Photoshop Express  
Adobe Lightroom  
Apple Aperture

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# Imaging Editing Software

Free software

Flickr	PhoXo
Picasa	Funny Photo Maker
GIMP	Photo Pos Pro
iPhoto	Photoscape
Windows Photo Gallery	IrfanView
Paint.net	PhotoFiltre
Photoflexr	PixBuilder Studio
Pbdr Editor	Chasys Draw IES

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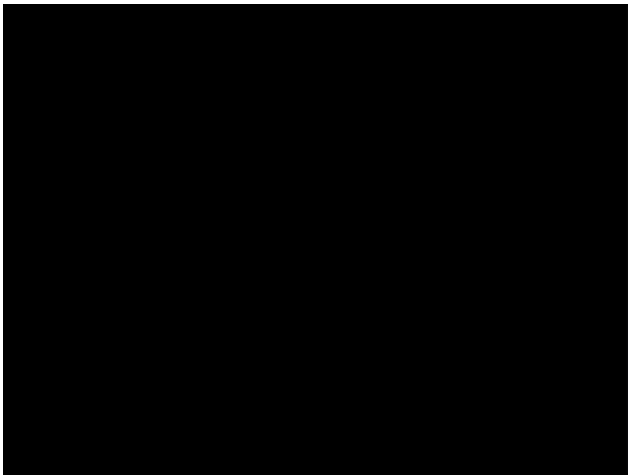
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# Improving Your Photographic Images

Greg Stewart  
gregstewart55@gmail.com



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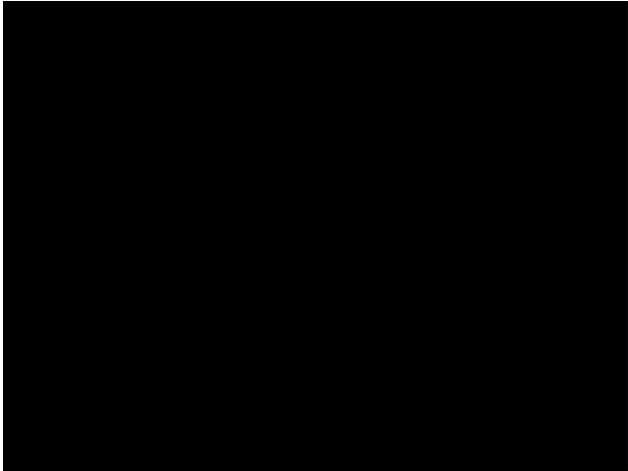
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