



**“We don’t learn from our good images; we learn from the ones that can be improved on.”**

Jen Rozenbaum

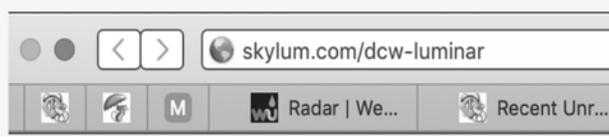
Photo editing software or applications are used to manipulate or enhance digital Images. This category of software ranges from basic apps to easily resize images and add basic effects to industry standard programs used by professional photographers.

### **Editing Software**

Photoshop & Lightroom	\$9.99 a month
Photoshop Elements	\$59 to \$99
ON1 Photo Raw 2020	\$99.99
DXO Photo Lab 3	\$129
DXO NIK	\$149 (6 Programs)
Topaz Studio 2	\$99.99 Coupon Code RADDREW
Luminar 4	\$89 Coupon Code JIMNIX
Luminar 3	FREE

# FREE Software

To get the program [copy and paste the following **blue** text] [skylum.com/dcw-luminar](http://skylum.com/dcw-luminar) in your Browser's [ url ] bar (**not** a Google search bar) [see attached image below]. Submit your email address and you will get the link for the program and your activation code.



Your best friend in Photo editing software is

# Ctrl/Cmd+z

Your best friend in Photo editing software is

**Ctrl/Cmd+z**

**Undo the last Step**

*Questions to ask as you edit:*

- Does the Image meet the category requirements?
- Does the Image have a main focus?
- Does the Image tell a story?
- Does the Image have distracting artifacts in the composition?
- Does the Image have the correct white balance?
- Does the image have more impact if you flip it horizontally?
- Is the main subject not too close to the edge – (is there room to move in the photo?)
- Are strong compositional elements present (leading lines, diagonals, rule of thirds, etc?)
- Are elements “cut-off” at the edge of the image?
- Is the horizon in the center of the image? (generally, less desirable)
- Is the horizon level?
- Is a moving subject going in the correct direction for the most impact?
- Have you looked at your image upside down to see if anything sticks out and needs to be corrected?

## PSA Allowed Adjustments

### ~~NATURE MANIPULATION~~ ADJUSTMENTS ALLOWED IN NATURE COMPETITIONS

- EXPOSURE ADJUSTMENT (SELECTIVE AND GLOBAL)
- ADJUST HIGHLIGHT AND SHADOW DETAIL
- ADJUST CONTRAST
- WHITE BALANCE / COLOR CORRECTION  
(HDR ALLOWED FOR ANY AND ALL OF THE ABOVE)
- BLACK & WHITE CONVERSION (GRayscale ONLY)
- ADJUST SATURATION
- DUST SPOT REMOVAL
- NOISE REMOVAL
- FLARE REMOVAL
- STRAIGHTENING
- CROPPING
- REVERSING (A.K.A. FLIPPING HORIZONTAL - USE CAUTION ON SCENICS)
- RESIZING
- SHARPENING (INCLUDING FOCUS LAYERING)

### ALL ALLOWED ADJUSTMENTS MUST LOOK NATURAL ADJUSTMENTS NOT ALLOWED IN NATURE COMPETITIONS

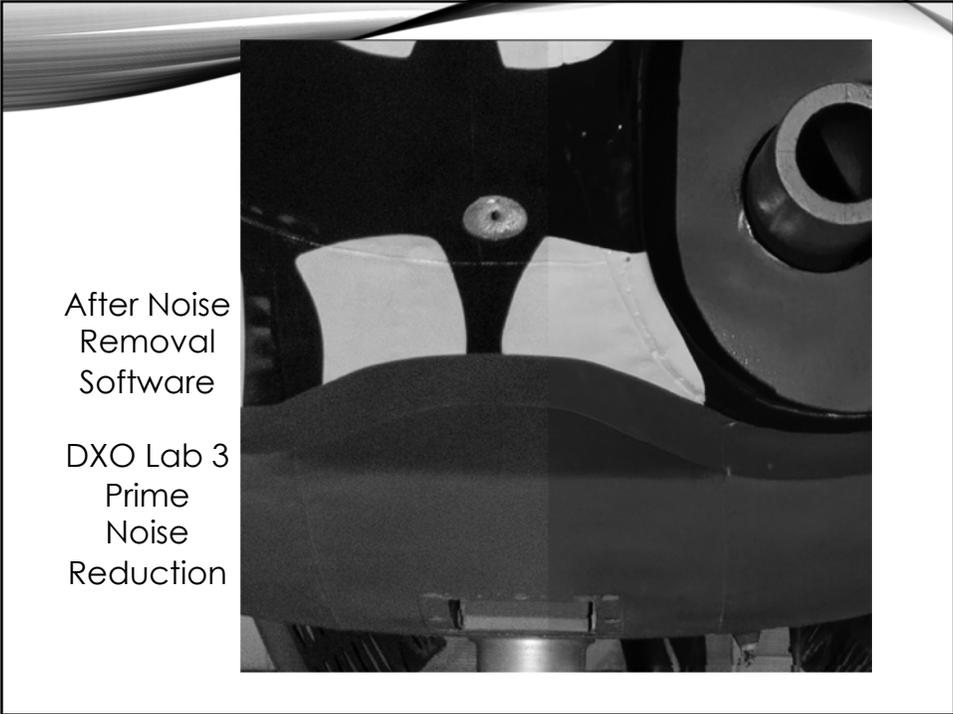
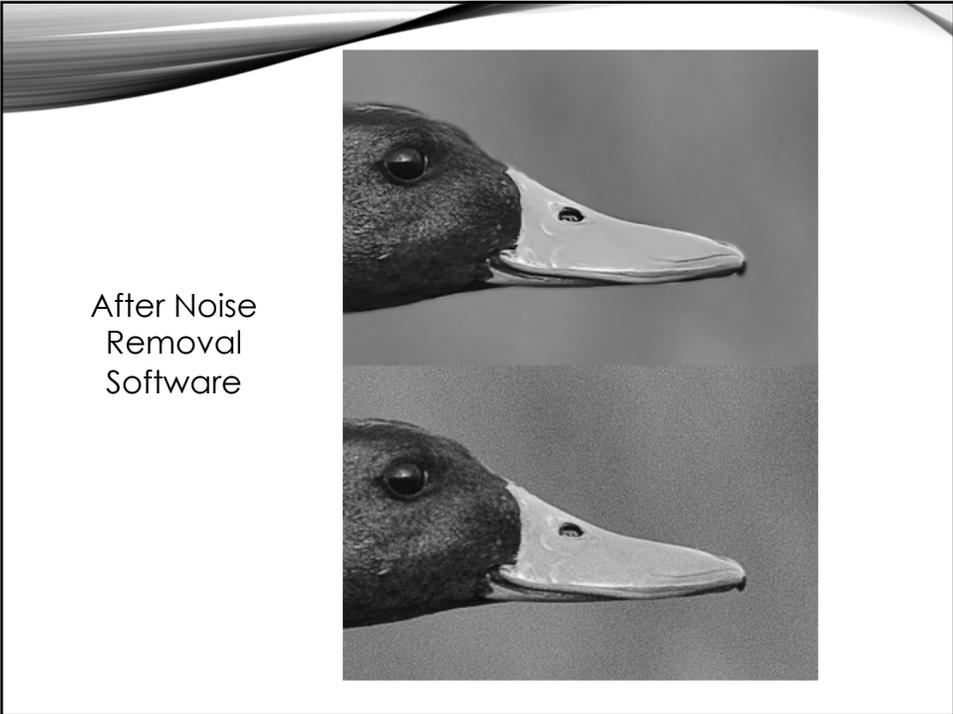
- ADDING OR REMOVING IMAGE ELEMENTS
- BLURRING BACKGROUNDS

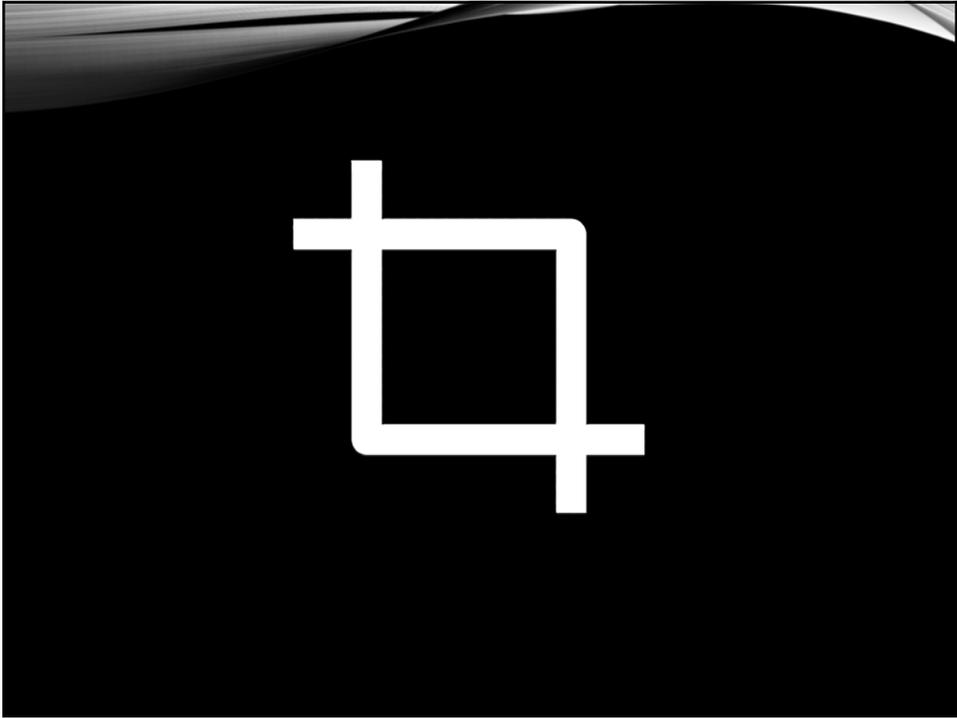
The **FIRST** step in Image Editing is  
**NOISE** Reduction

In **photography**, the term digital ***NOISE*** refers to visual distortion. ... You will likely notice noise more in photographs taken in low light situations or with using High ISO. **Noise** can distort the visual detail of your Image, making it something that photographers try to avoid.

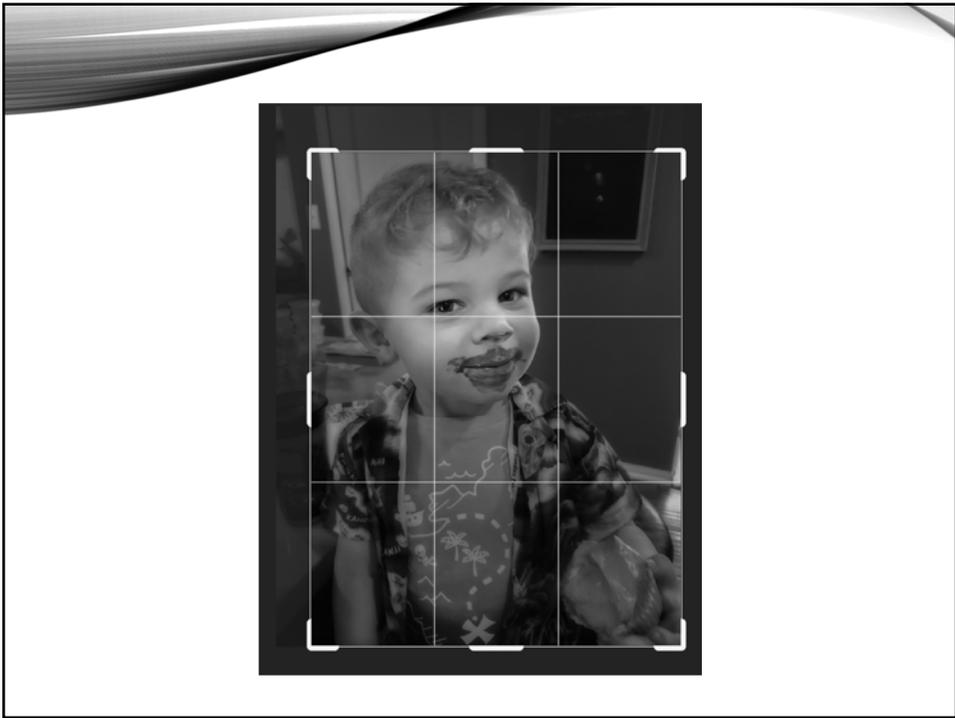
## Noise

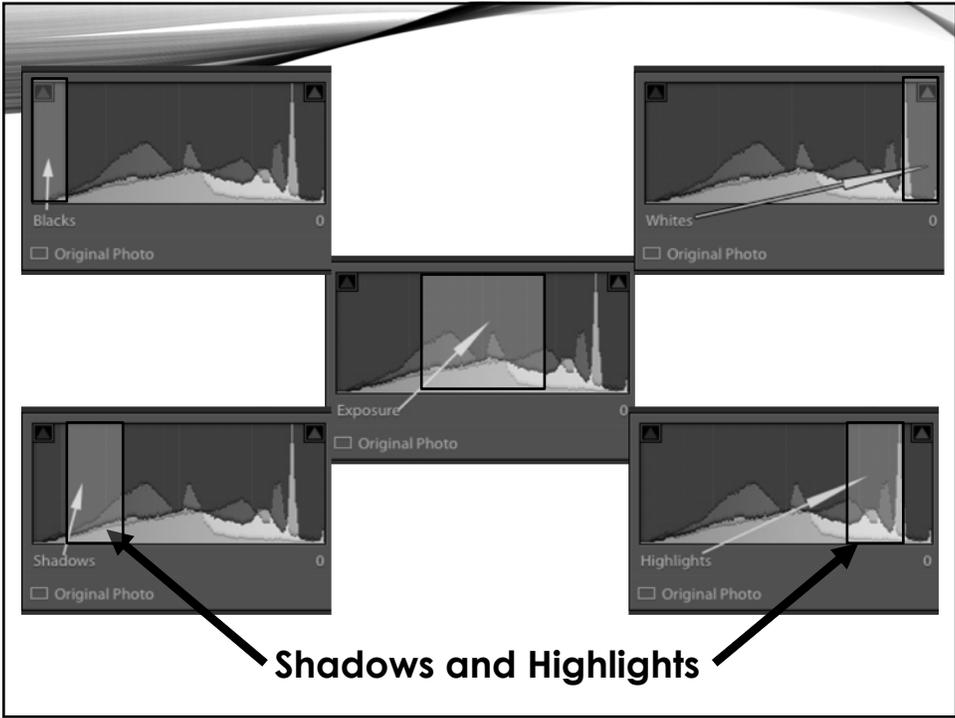
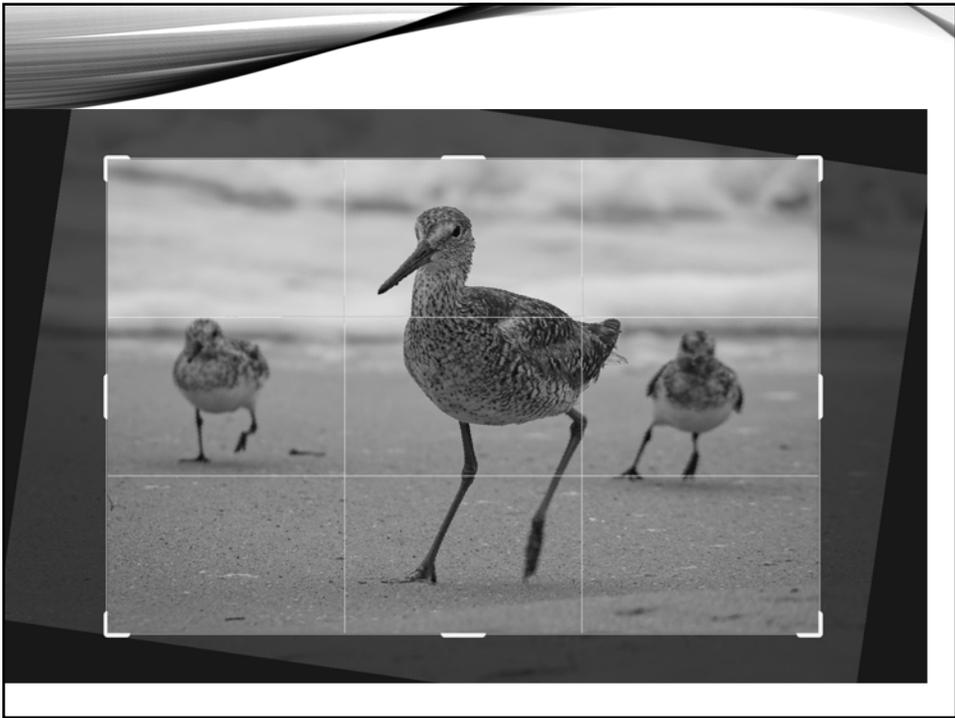




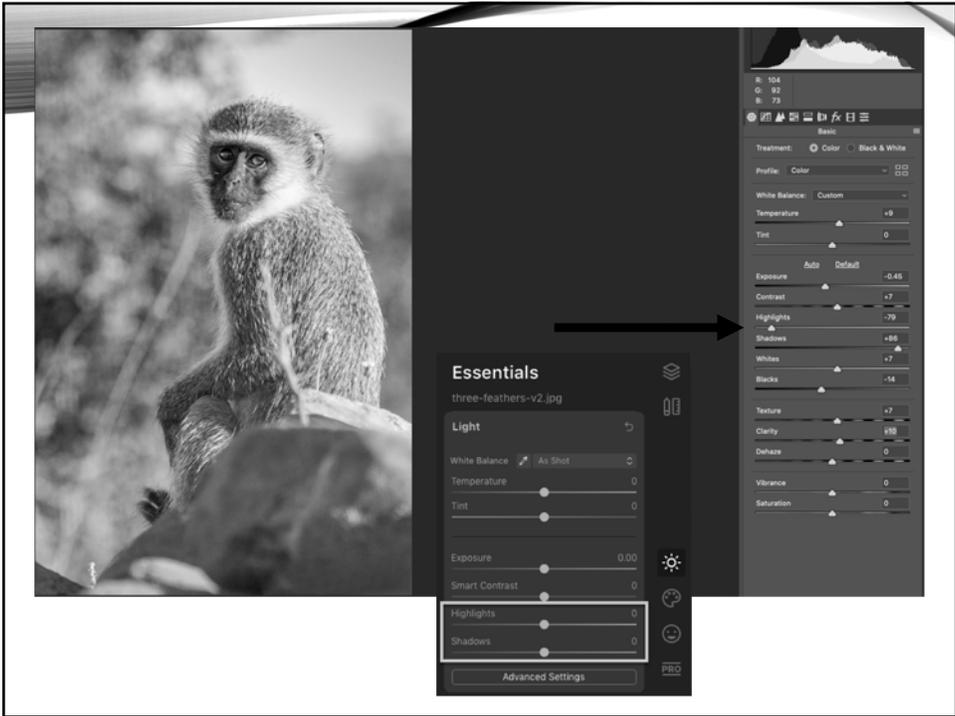
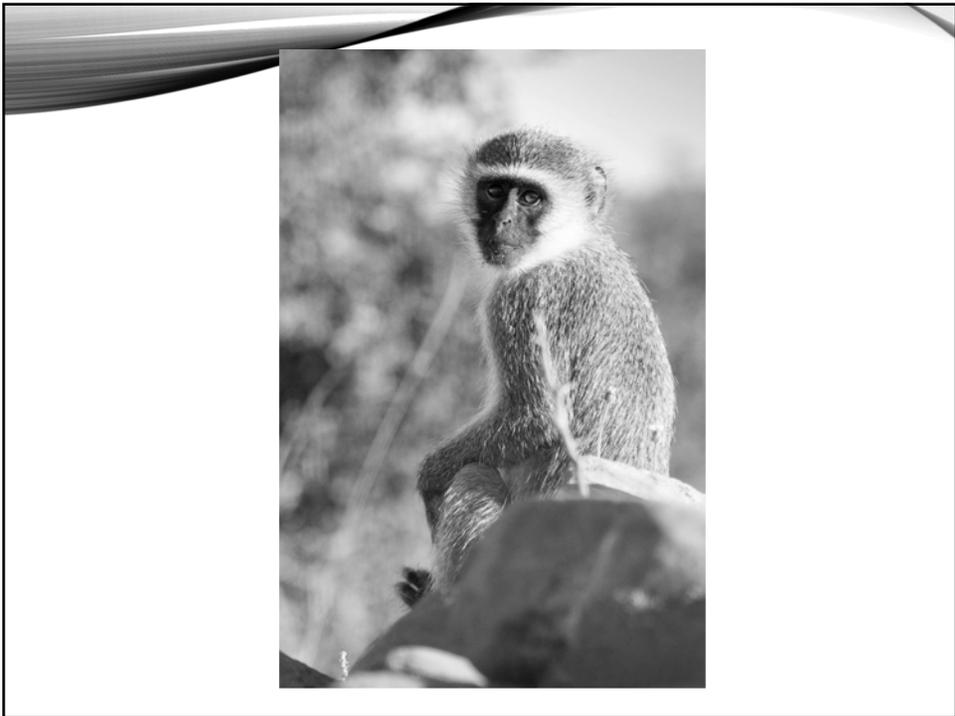


Megapixel	Width	Height
1	1225	816
2	1732	1155
4	2449	1633
5	2739	1826
6	3000	2000
8	3464	2309
10	3873	2582
12	4243	2828
16	4899	3266
20	5477	3651
24	6000	4000
SCC	1400	1050



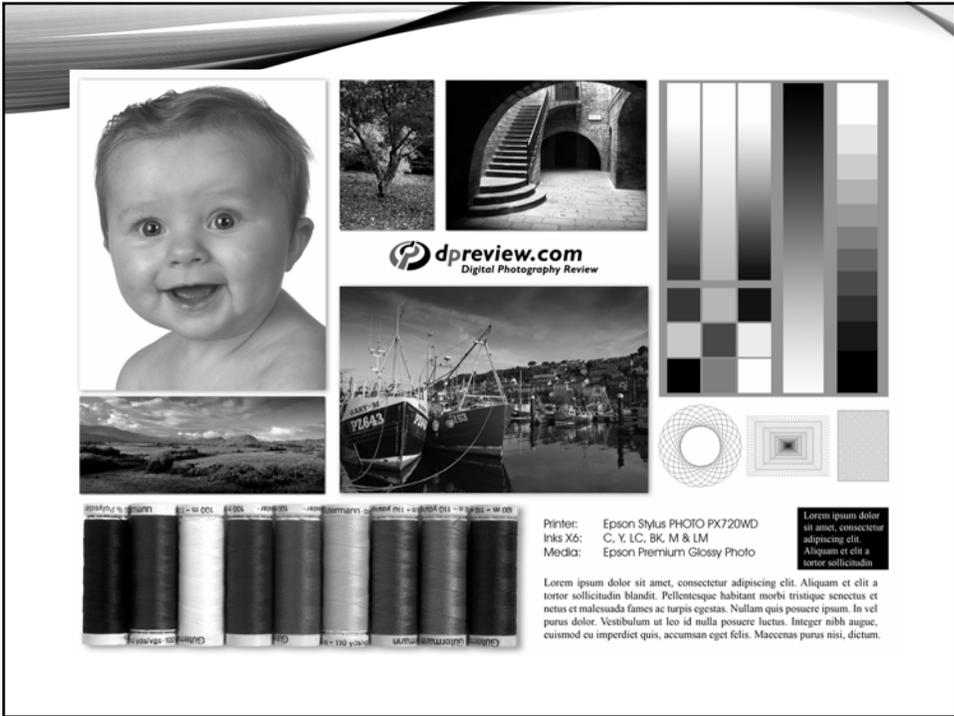


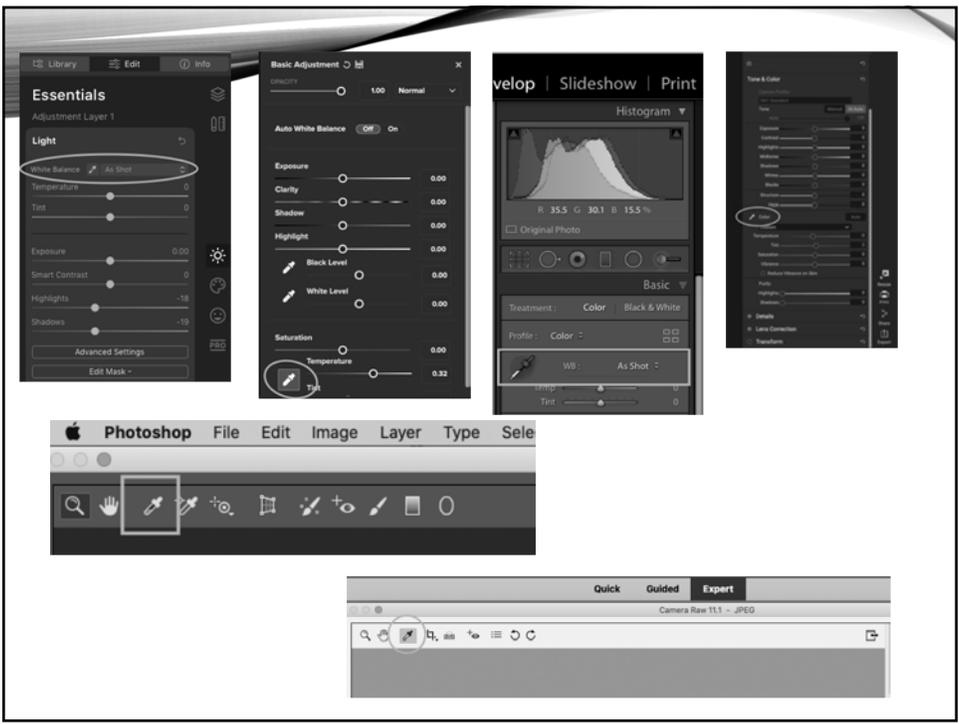
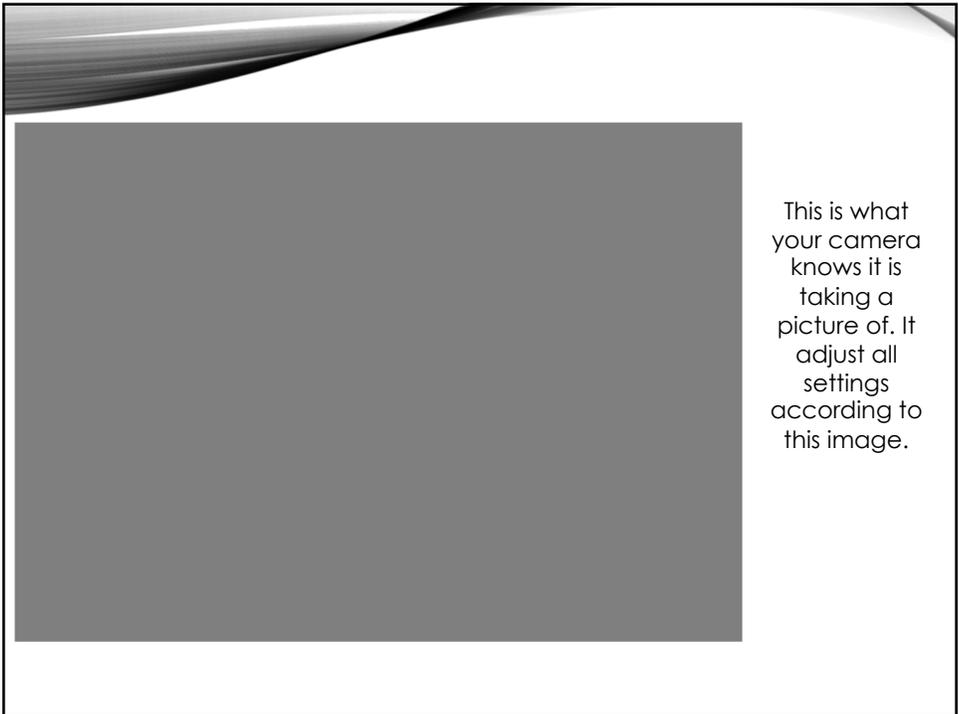
**Shadows and Highlights**

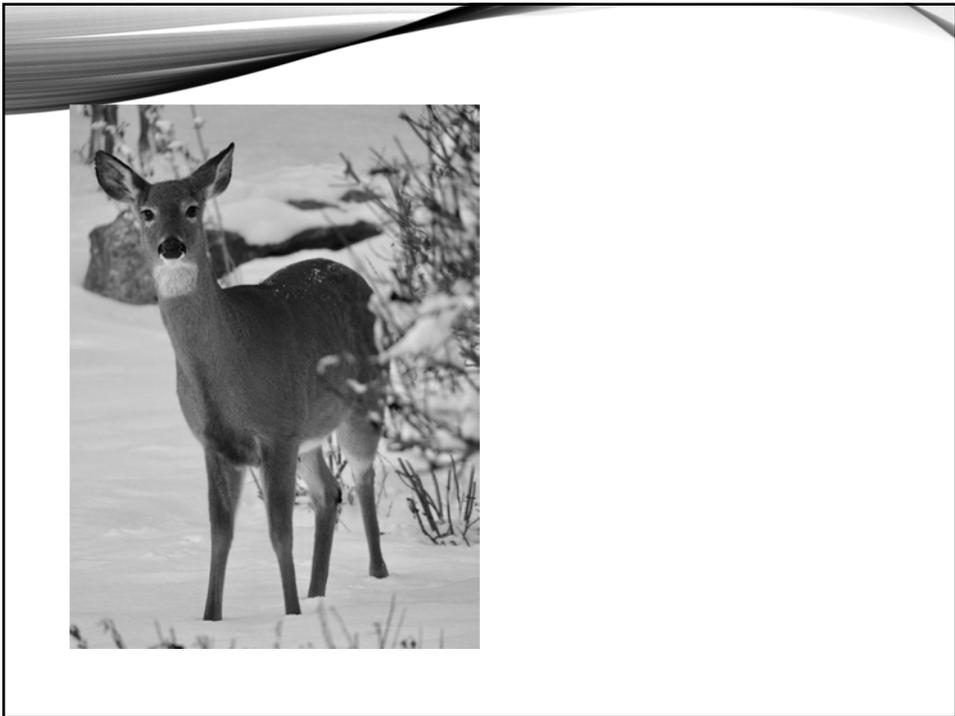




White balance (WB) is the process of removing color casts, so that objects which appear white in person are rendered white in your photo. For proper camera white balance you have to take into account the "color temperature" of a light source, which refers to the relative warmth or coolness of light. Our eyes are very good at judging what is white under different light sources, but digital cameras often have great difficulty with auto white balance (AWB) — and can create unsightly color casts.











In photography, the term "acutance" describes a subjective perception of sharpness that is related to the edge contrast of an image.

## What is Sharpening?

Sharpening is a technique for increasing the apparent sharpness of an image.

Once an image is captured the actual resolution remains fixed.

The only way to increase apparent sharpness is by increasing acutance. If you want your image to look sharper, you need to add edge contrast.

The problem with edge contrast.

Glowing Edges



