# *Introduction to Digital Photo Workflow and Basic Editing*

# First Things First

## Get it right in the camera.

- **RTFM – Read your owners manual.**
- **Make sure your exposure is correct.**
- **Set your White Balance**
- **Select the best ISO for situation.**
- **(IMO) Zero all special effects in camera – sharpening, saturation, etc., and shoot in RAW format.**
- **Check exposure compensation and focus areas.**

# Shooting in RAW Format

- **There's nothing wrong in shooting JPEGs, but you lose a lot of the power of digital photography.**
- **Shooting RAW produces a "digital negative" which will always contain the picture infor-mation exactly as read on the camera's sensor before the camera's processor has a chance to turn it into a standard file type like JPEG.**
- **The extra latitude in a RAW file means that additional highlight and shadow detail can be found.**
- **No matter how much you manipulate a RAW file, it can always be returned to it's original "as shot" state.**
- **RAW files remain largely untouched by the camera's processor so they can look a bit flat and lifeless straight out of the camera. RAW converter will give you plenty of options to make the RAWs pop..**

- **The larger RAW files take longer to store to the memory card. This means that the camera's buffer (memory) will fill up faster if you take lots of shots in rapid succession, and the camera may lock up temporarily, for sports photography this can be a problem.**
- **Every camera model produces a unique RAW file format, so finding software that opens them can be a problem. With third party RAW converters you may have to wait a month before new camera models are supported.**

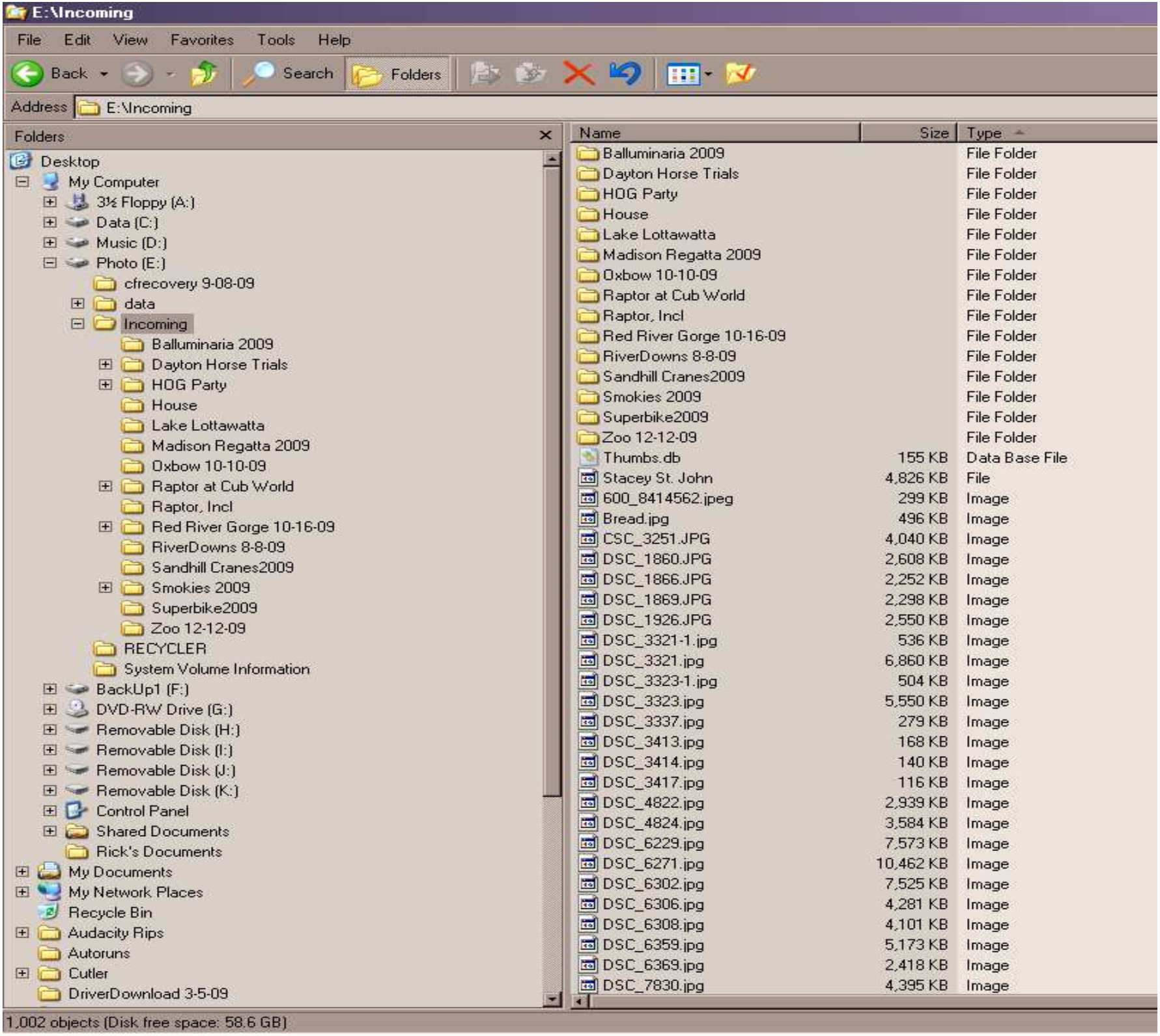
- **You may have set up your own PC to open every RAW file under the sun, but the files may not be supported on another's computer without the proper program.**

# File Types

- **DNG = Digital Negative (Adobe standard)**
- **RAW = NEF (Nikon), CR2 (Canon), etc.**
- **XMP = Adobe "Sidecar" File contains RAW edit info.**
- **PSD = Photoshop Document (PS default doc. Type)**
- **TIFF/TIF = Tagged Image Format**
- **JPG/JPEG = Joint Photographics Expert Group standard**
- **GIF = Graphics Interchange Format**

# Download Images

- **USB or hardware card reader**
  - **Fast and easy.**
- **Camera**
  - **Uses up camera battery.**
  - **Time consuming.**
- **Know where your images are located.**
  - **Create new folder on HDD for each shoot.**
- **Back up your files.**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File Edit View Favorites Tools Help
Back Search Folders
Address E:\Incoming
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Desktop
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Music (D:)
Photo (E:)
cfrecovery 9-08-09
data
Incoming
Balluminaria 2009
Dayton Horse Trials
HOG Party
House
Lake Lottawatta
Madison Regatta 2009
Oxbow 10-10-09
Raptor at Cub World
Raptor, Incl
Red River Gorge 10-16-09
RiverDowns 8-8-09
Sandhill Cranes2009
Smokies 2009
Superbike2009
Zoo 12-12-09
RECYCLER
System Volume Information
BackUp1 (F:)
DVD-RW Drive (G:)
Removable Disk (H:)
Removable Disk (I:)
Removable Disk (J:)
Removable Disk (K:)
Control Panel
Shared Documents
Rick's Documents
My Documents
My Network Places
Recycle Bin
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Cutler
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Balluminaria 2009 File Folder
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HOG Party File Folder
House File Folder
Lake Lottawatta File Folder
Madison Regatta 2009 File Folder
Oxbow 10-10-09 File Folder
Raptor at Cub World File Folder
Raptor, Incl File Folder
Red River Gorge 10-16-09 File Folder
RiverDowns 8-8-09 File Folder
Sandhill Cranes2009 File Folder
Smokies 2009 File Folder
Superbike2009 File Folder
Zoo 12-12-09 File Folder
Thumbs.db 155 KB Data Base File
Stacey St. John 4,826 KB File
600_8414562.jpeg 299 KB Image
Bread.jpg 496 KB Image
CSC_3251.JPG 4,040 KB Image
DSC_1860.JPG 2,608 KB Image
DSC_1866.JPG 2,252 KB Image
DSC_1869.JPG 2,298 KB Image
DSC_1926.JPG 2,550 KB Image
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DSC_3323-1.jpg 504 KB Image
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DSC_3414.jpg 140 KB Image
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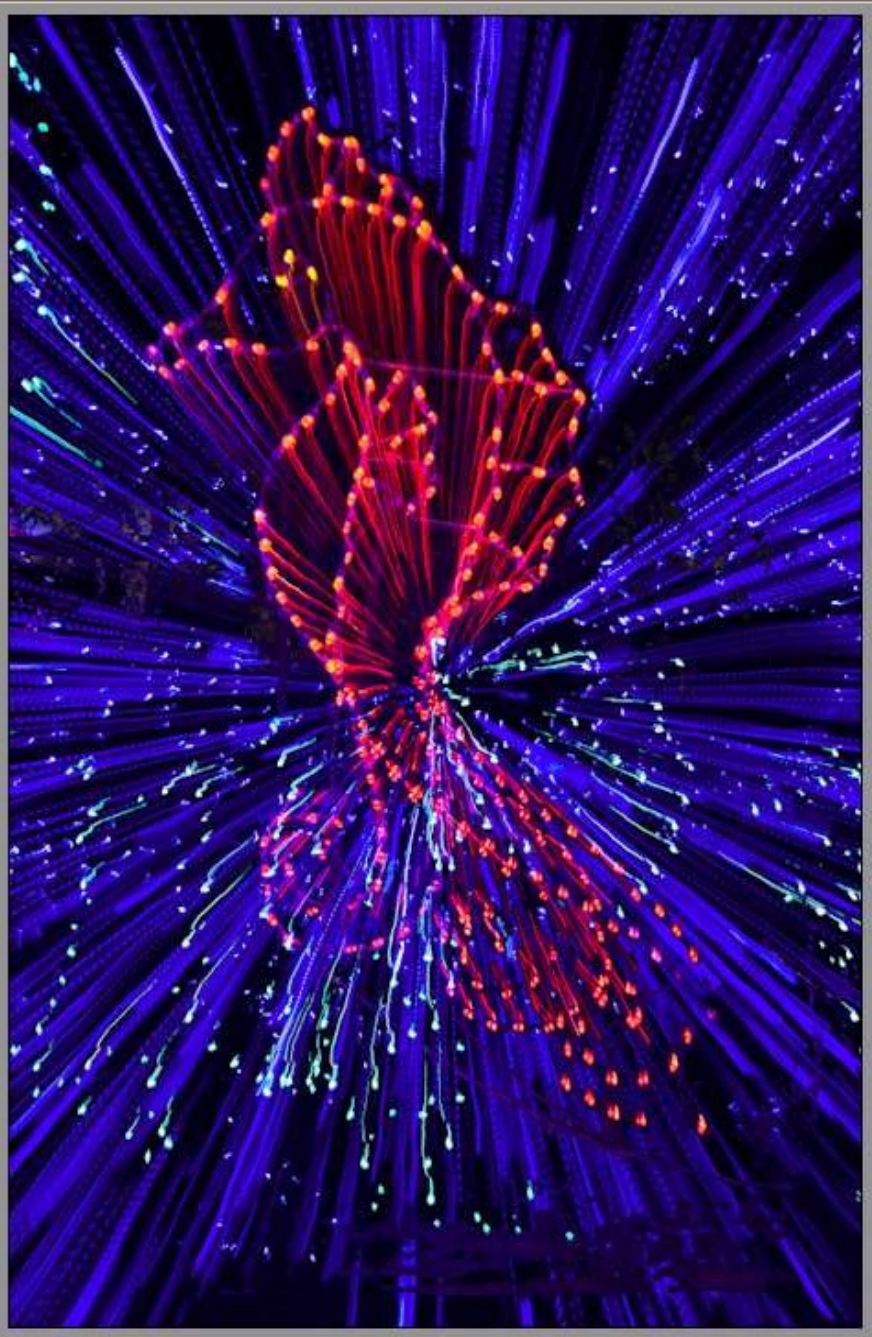
DSC_6308.jpg 4,101 KB Image
DSC_6359.jpg 5,173 KB Image
DSC_6369.jpg 2,418 KB Image
DSC_7830.jpg 4,395 KB Image
1,002 objects (Disk free space: 58.6 GB)

# Open Image for Editing

- **Open image in RAW editor.**
- **Apply necessary/desired adjustments.**
- **Open in photo editing software.**
- **Apply necessary/desired adjustments.**
- **Save and back up.**

Camera Raw 4.6 - JPEG



Preview

R: ---
G: ---
B: ---

f/10 1.00 s
ISO 100 18-70@18 mm

Basic

White Balance: As Shot

Temperature 0

Tint 0

Auto Default

Exposure 0.00

Recovery 0

Fill Light 0

Blacks 0

Brightness 0

Contrast 0

Clarity 0

Vibrance 0

Saturation 0

17.9%

DSC_8757.jpg

Save Image...

Adobe RGB (1998); 8 bit; 2592 by 3872 (10.0MP); 300 ppi

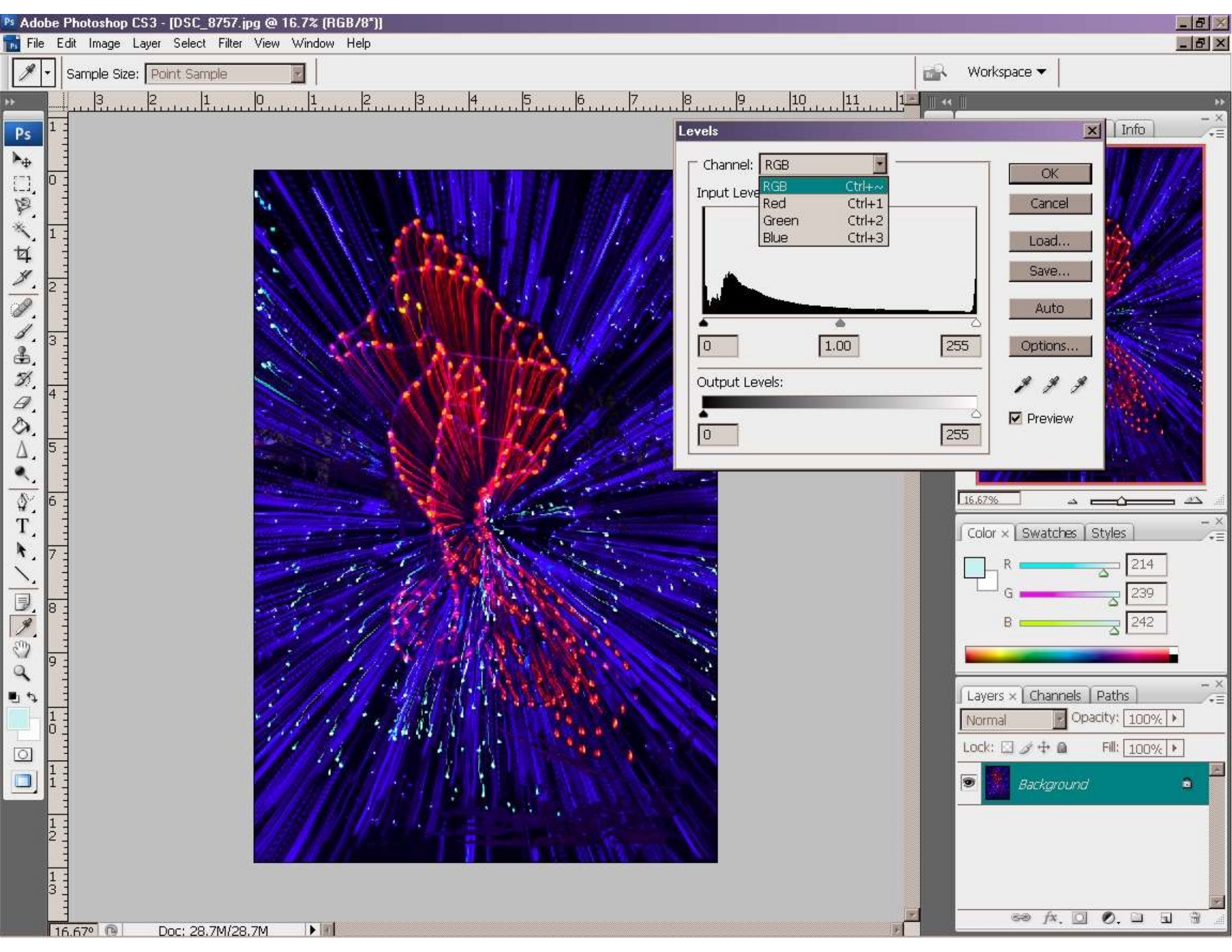
Open Image

Cancel

Done

# Basic Image Adjustments

- **Levels** corrects the tonal range and color balance of an image by adjusting intensity levels of image shadows, mid tones, and highlights.
- **Curves** similar to levels (3 points) but adjusts the entire tonal range of an image at up to fourteen different points/locations.
- **Contrast** you may achieve good contrast though the curves and levels command or you can use the "Contrast" command.
- **Saturation** adjust hue, saturation, and brightness to bring colors that please your eye.
- **Sharpening** apply local and/or whole image sharpening to suit.
- **Crop** you may want to change the size of your image to fit in a frame or presentation at this point.
- **Save** If using layers, save as .psd or flatten and save as jpg, etc.


Adobe Photoshop CS3 - [DSC_8757.jpg @ 16.7% (RGB/8*)]
File Edit Image Layer Select Filter View Window Help
Sample Size: Point Sample
Workspace
Levels
Channel: RGB
RGB Ctrl+~
Red Ctrl+1
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Info
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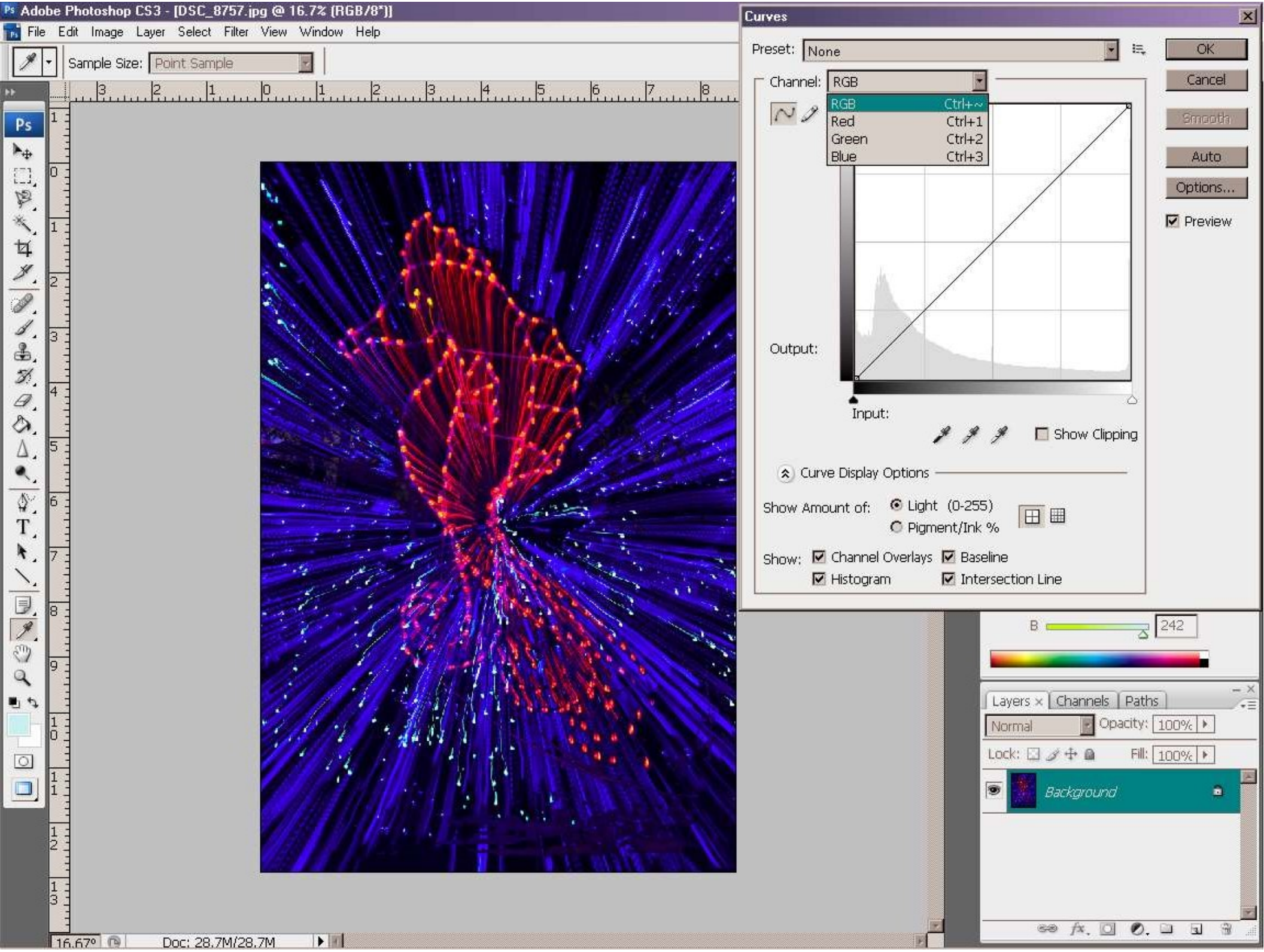
Adobe Photoshop CS3 - [DSC_8757.jpg @ 16.7% (RGB/8*)]
File Edit Image Layer Select Filter View Window Help
Sample Size: Point Sample
Curves
Preset: None
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Smooth
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Channel: RGB
RGB Ctrl+~
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Output:
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Curve Display Options
Show Amount of: Light (0-255)
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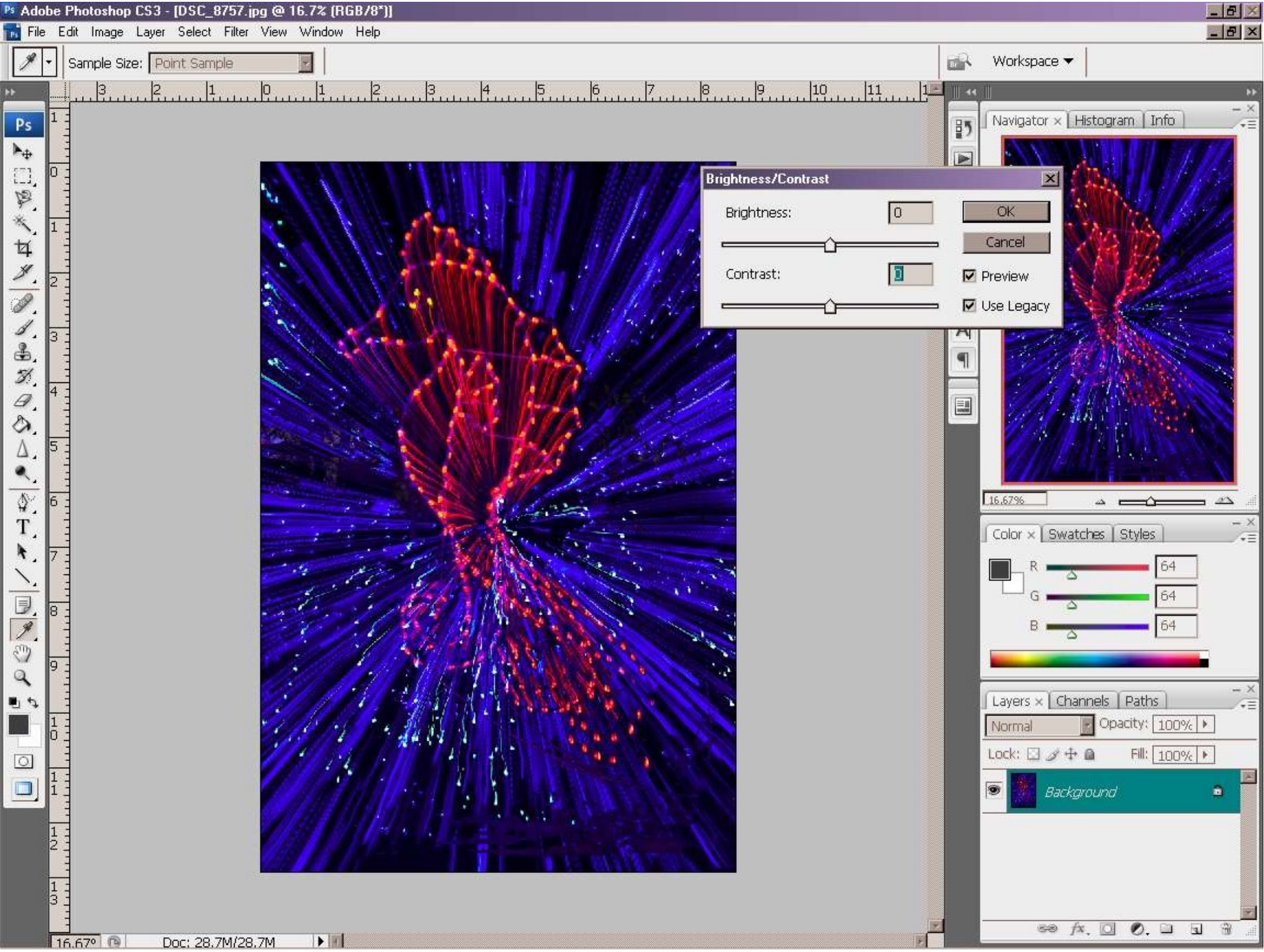
Adobe Photoshop CS3 - [DSC_8757.jpg @ 16.7% (RGB/8*)]
File Edit Image Layer Select Filter View Window Help
Sample Size: Point Sample
Workspace
Brightness/Contrast
Brightness: 0
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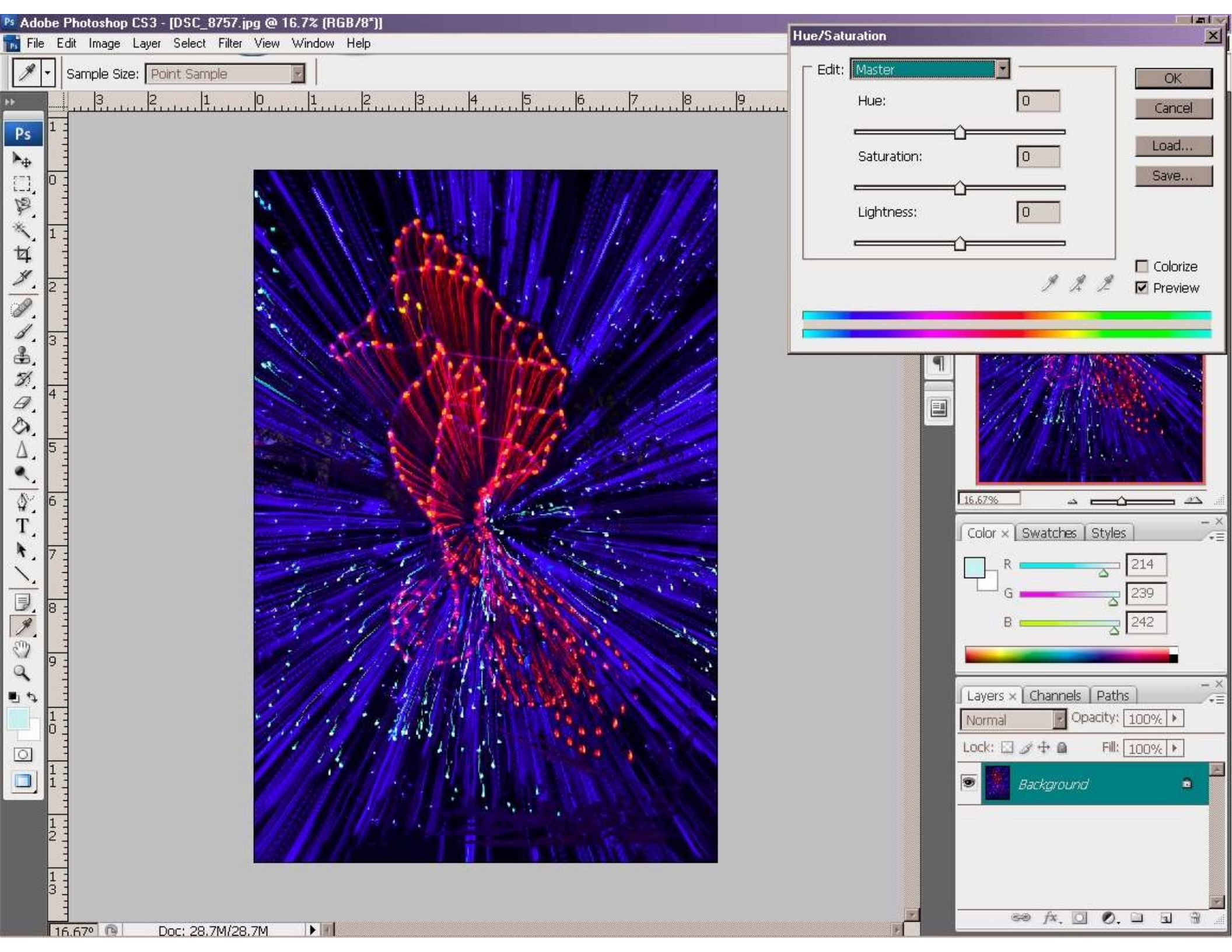
Doc: 28.7M/28.7M


Adobe Photoshop CS3 - [DSC_8757.jpg @ 16.7% (RGB/8*)]
File Edit Image Layer Select Filter View Window Help
Sample Size: Point Sample
Hue/Saturation
Edit: Master
Hue: 0
Saturation: 0
Lightness: 0
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Load...
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Colorize
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Color Swatches Styles
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G 239
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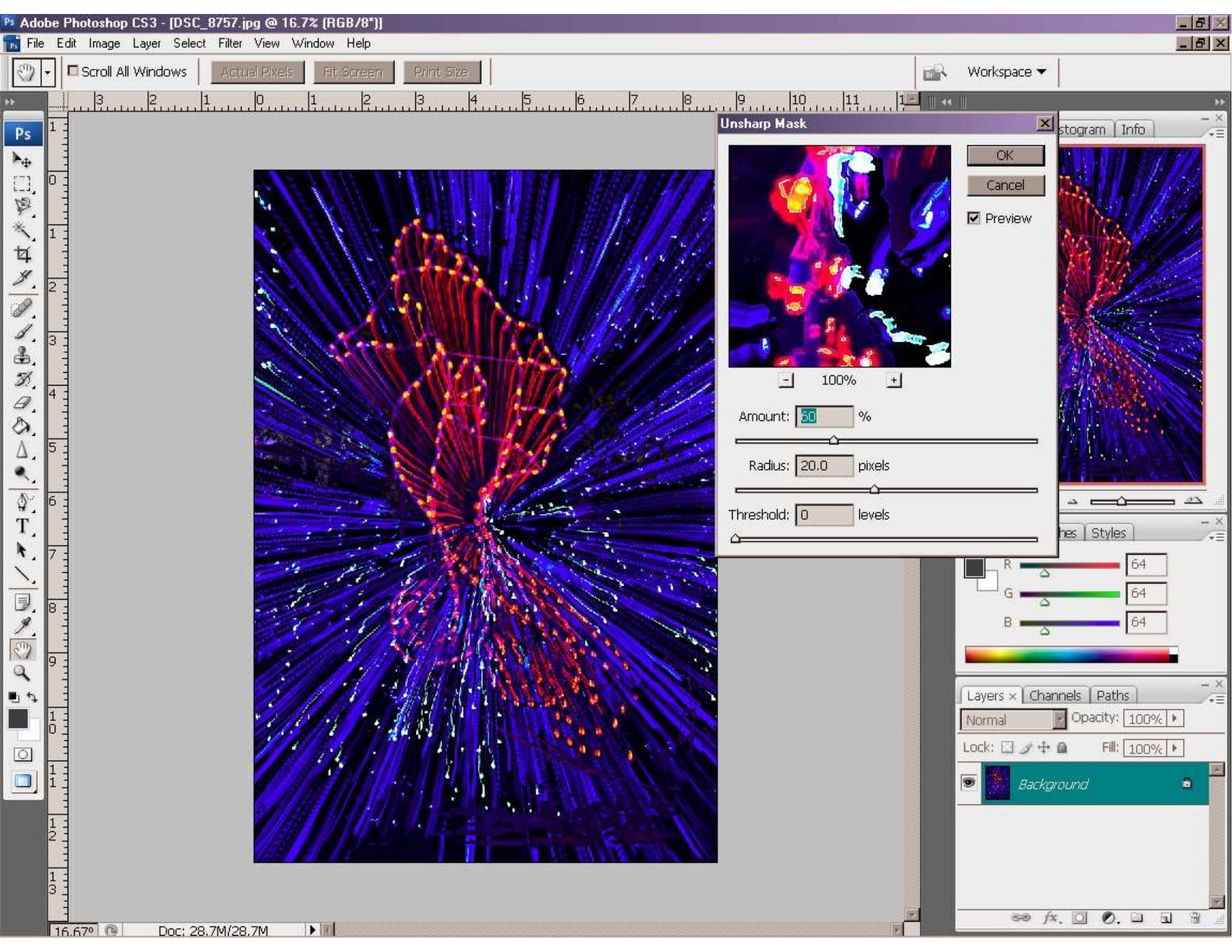
Adobe Photoshop CS3 - [DSC_8757.jpg @ 16.7% (RGB/8*)]
File Edit Image Layer Select Filter View Window Help
Scroll All Windows
Actual Pixels
Fit Screen
Print Size
Workspace
Unsharp Mask
OK
Cancel
Preview
100%
Amount: 60 %
Radius: 20.0 pixels
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Fill: 100%
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Doc: 28.7M/28.7M

# Helpful Links

- **http://www.mir.com.my/rb/photography/glossary/terms_a.htm**