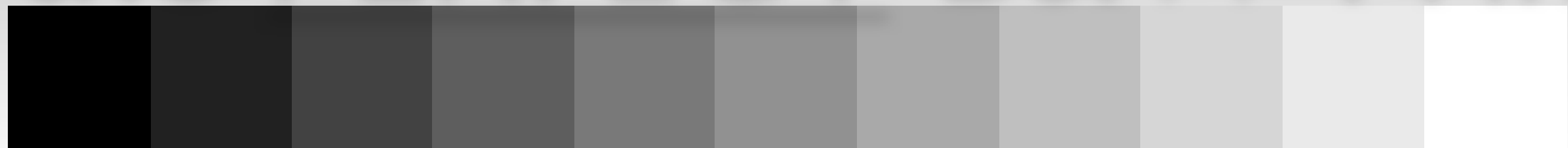


In Search of...

the PERFECT B&W Print



**By Jeff Schewe**

Additional Notes:

**[schewephoto.com/workshop](http://schewephoto.com/workshop)**

# The Perfect B&W Print

The Object is to Convert from Color...



# The Perfect B&W Print

To Optimized B&W





# The Perfect B&V Print

## To Final Print...in Neutral Tones



# The Perfect B&W Print

Or Warm Tones...



# The Perfect B&W Print

Or Sepia Tones...





# The Perfect B&W Print

Or Cold Tones...



# The Perfect B&W Print

Or Split Tones...





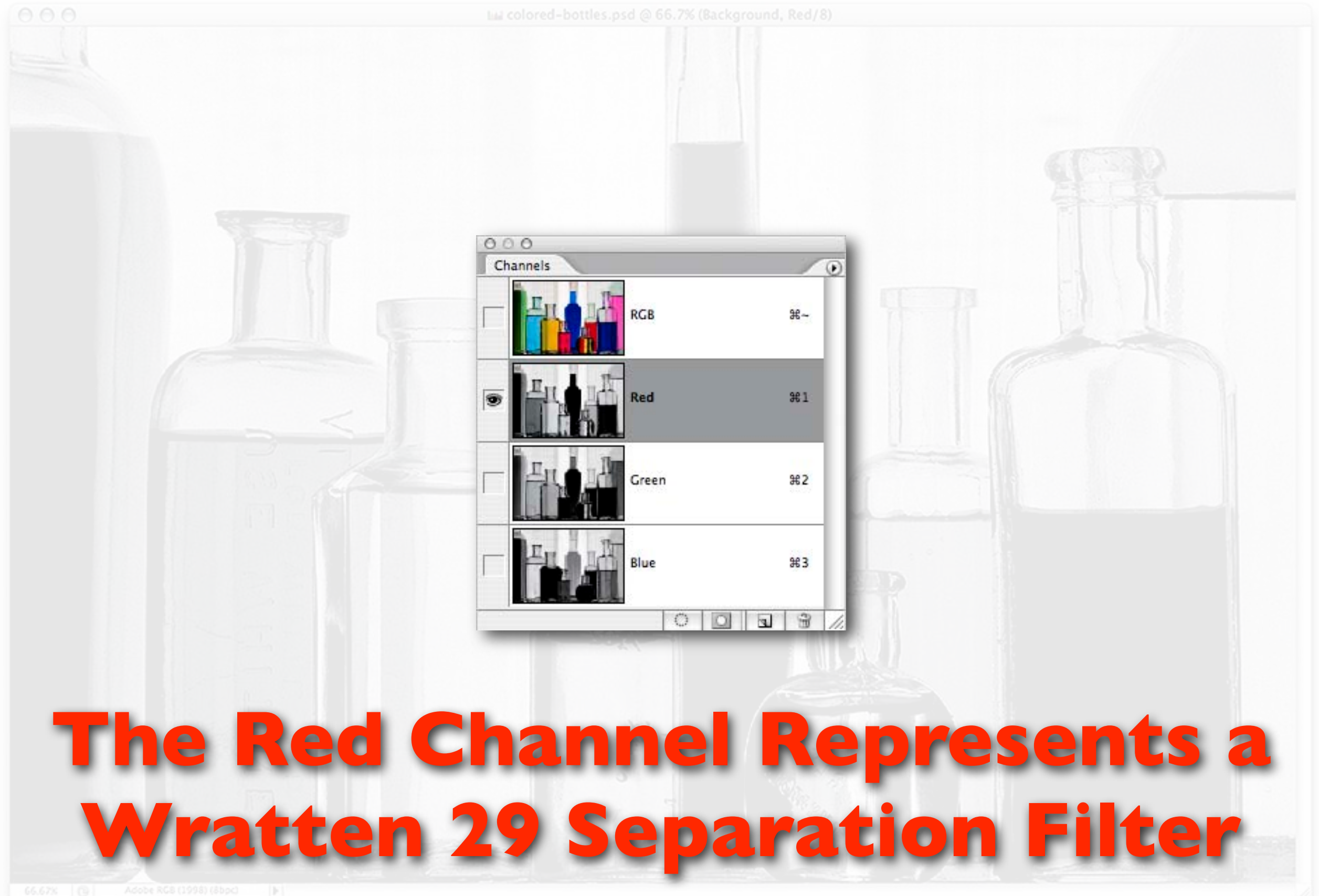
# The Perfect B&V Print

**But First,  
You Must Learn to Convert...**

**C o l o r t o B & W.**

**When You Shoot Color  
You Also Capture a Variety  
of B&W Flavors...**

# The Perfect B&W Print





# The Perfect B&W Print



**The Green Channel Represents a Wratten 61 Separation Filter**

# The Perfect B&W Print



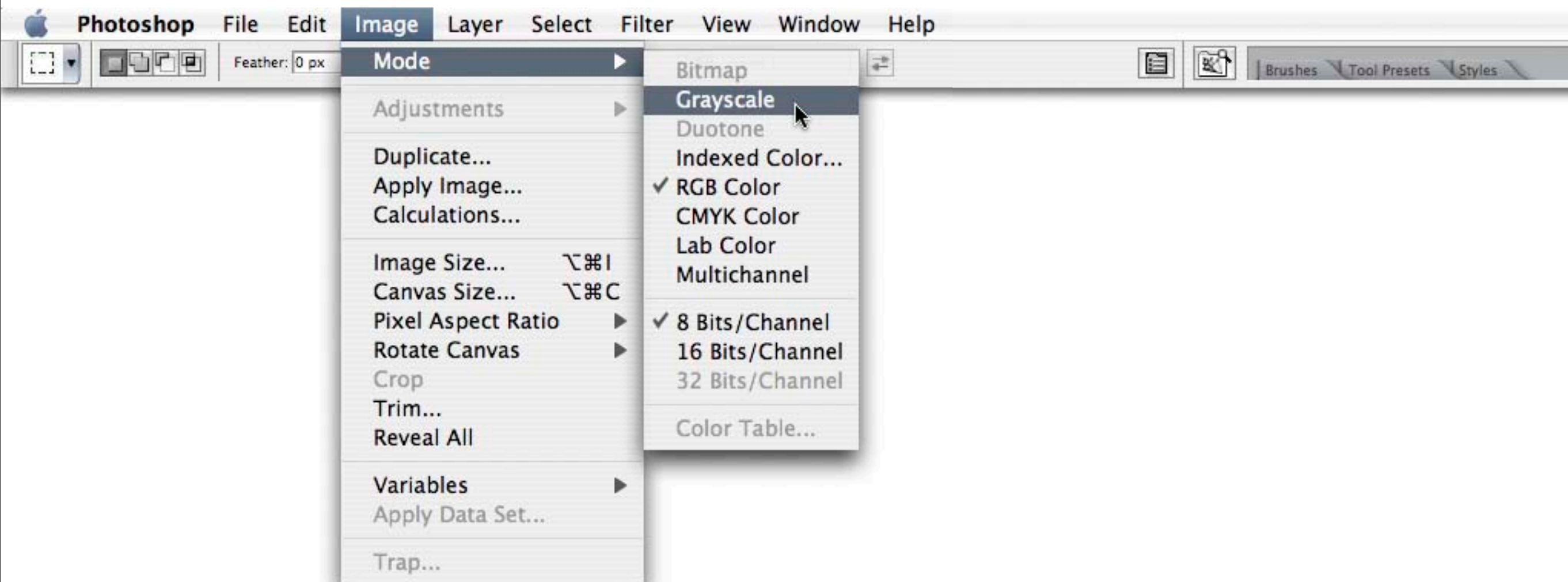


# The Perfect B&W Print





# The Perfect B&W Print



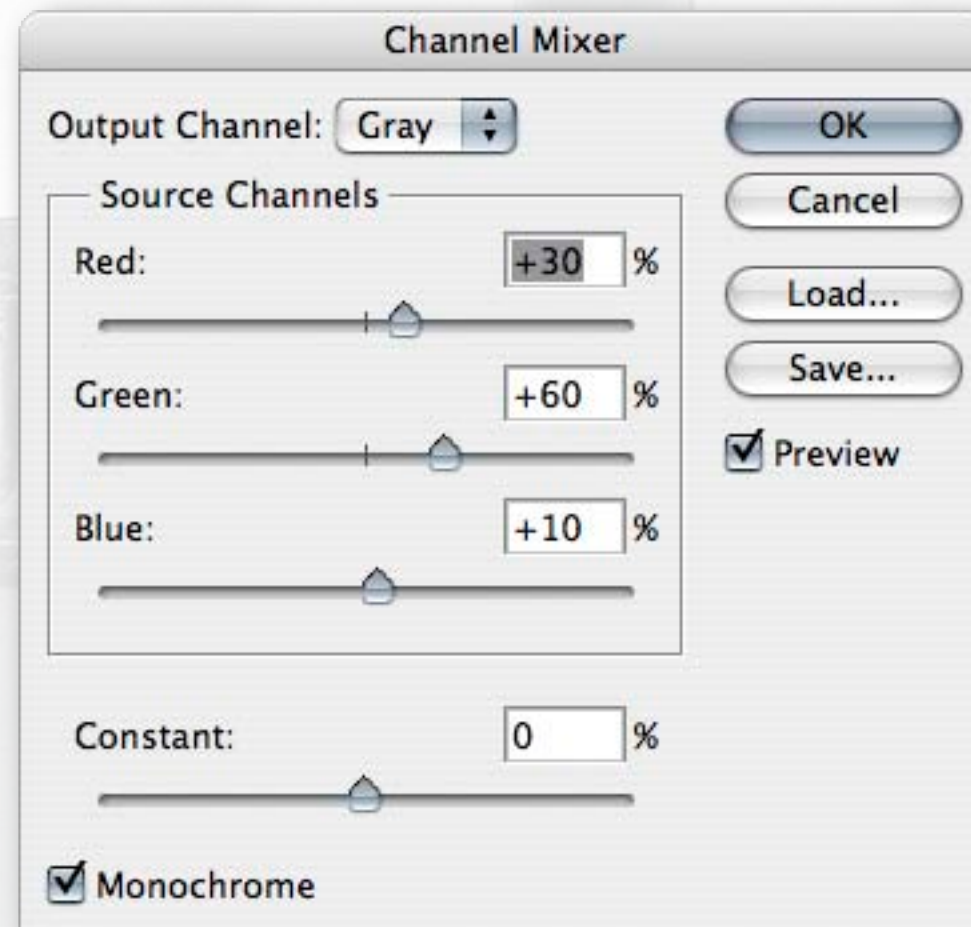
# The Perfect B&W Print





# The Perfect B&W Print

## Photoshop's “Default” Panchromatic Conversion...

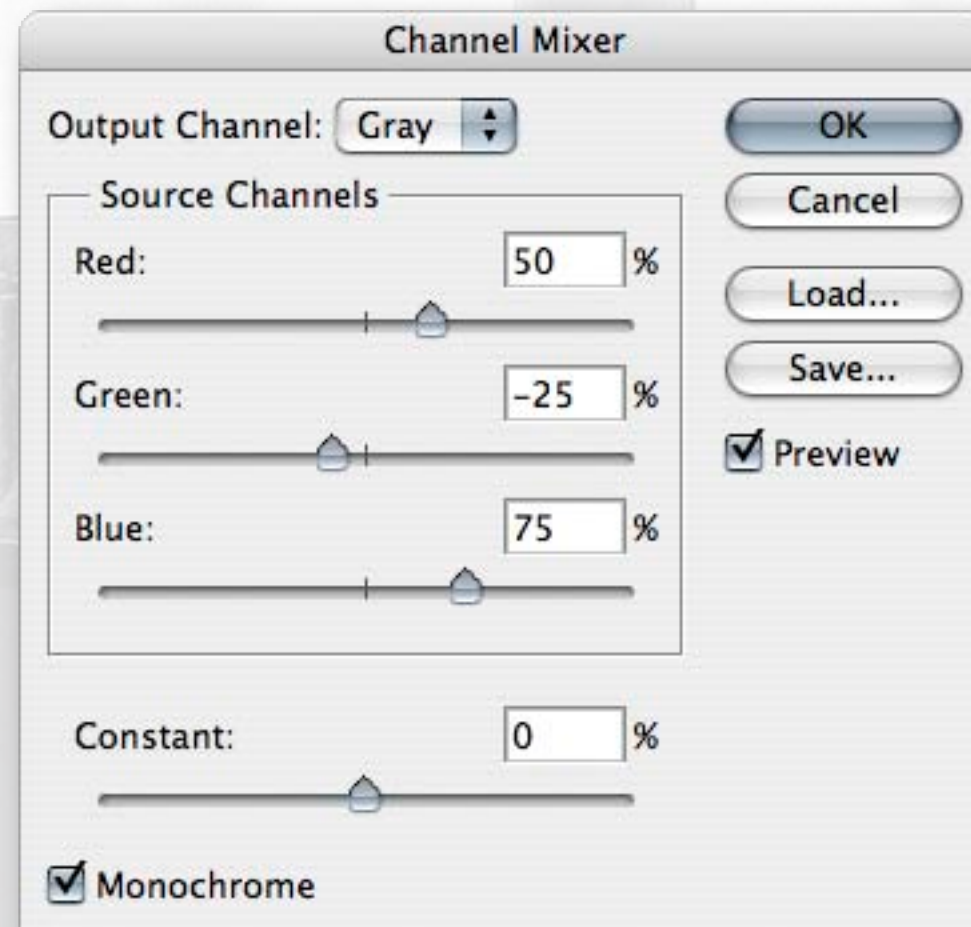


**Red: 30%      Green: 60%      Blue: 10%**



# The Perfect B&W Print

**Keep The Total Sum to 100%**

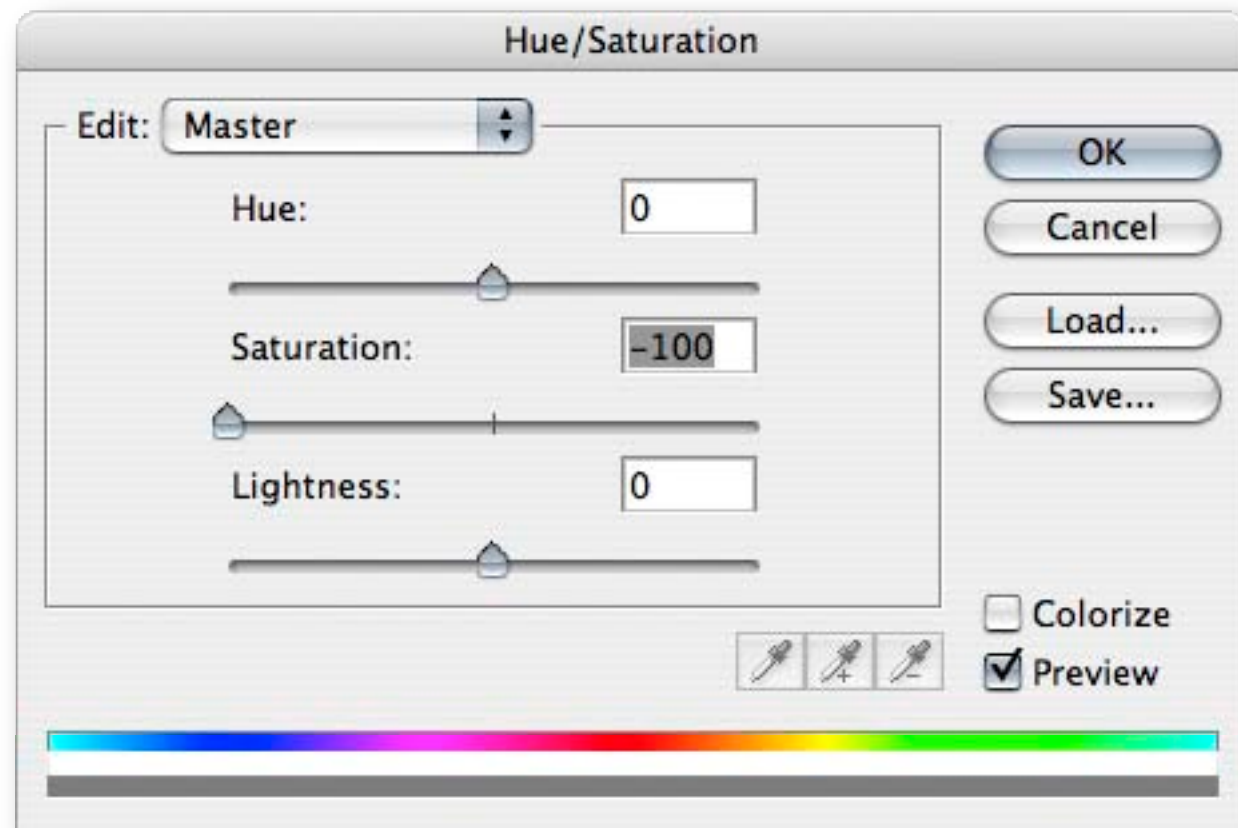


**You CAN Use Negative Numbers...**

## **Other Methods of Color to B&W Conversions...**

# The Perfect B&W Print

## Hue / Saturation

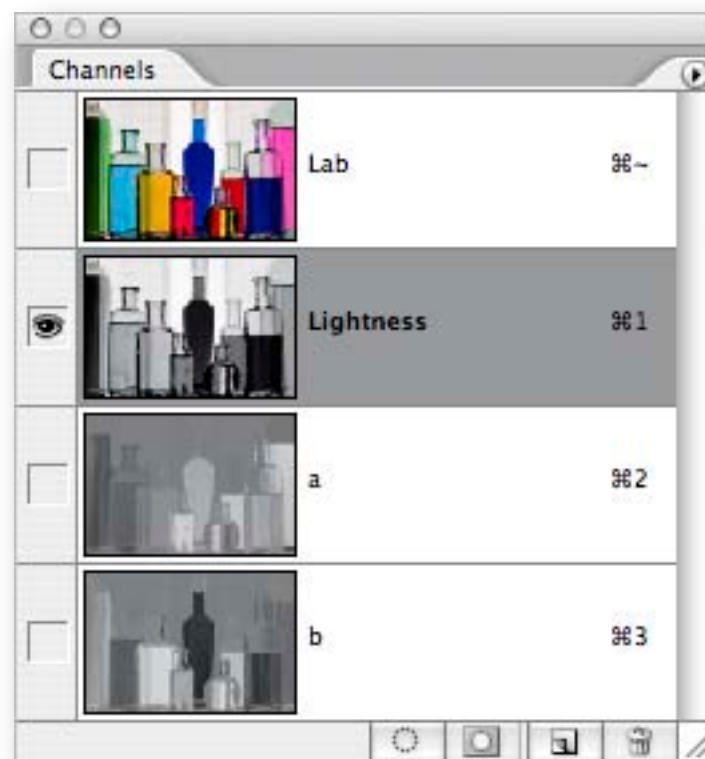


## De-Saturation



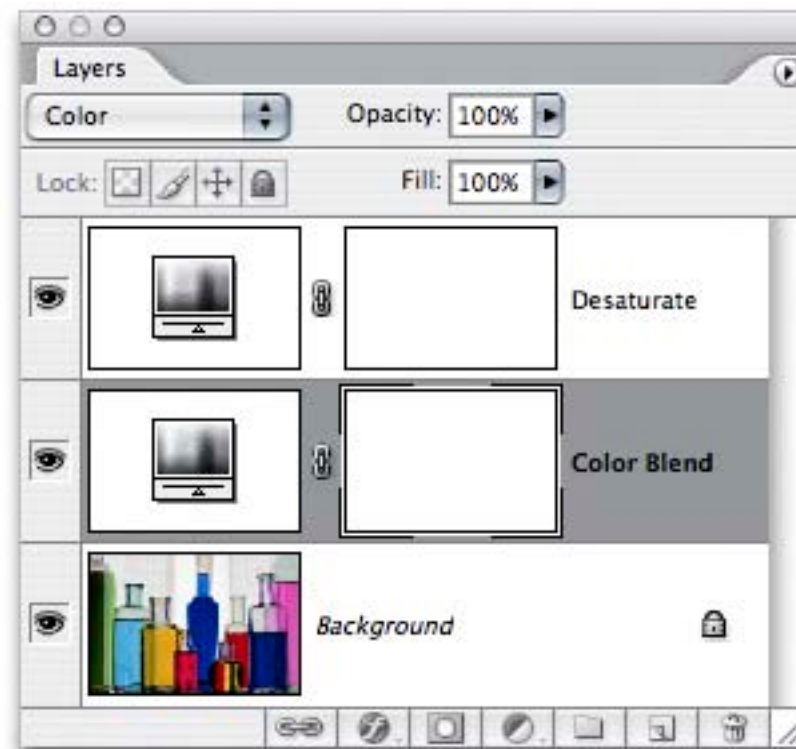
# The Perfect B&W Print

## Convert to Lab



# The Perfect B&W Print

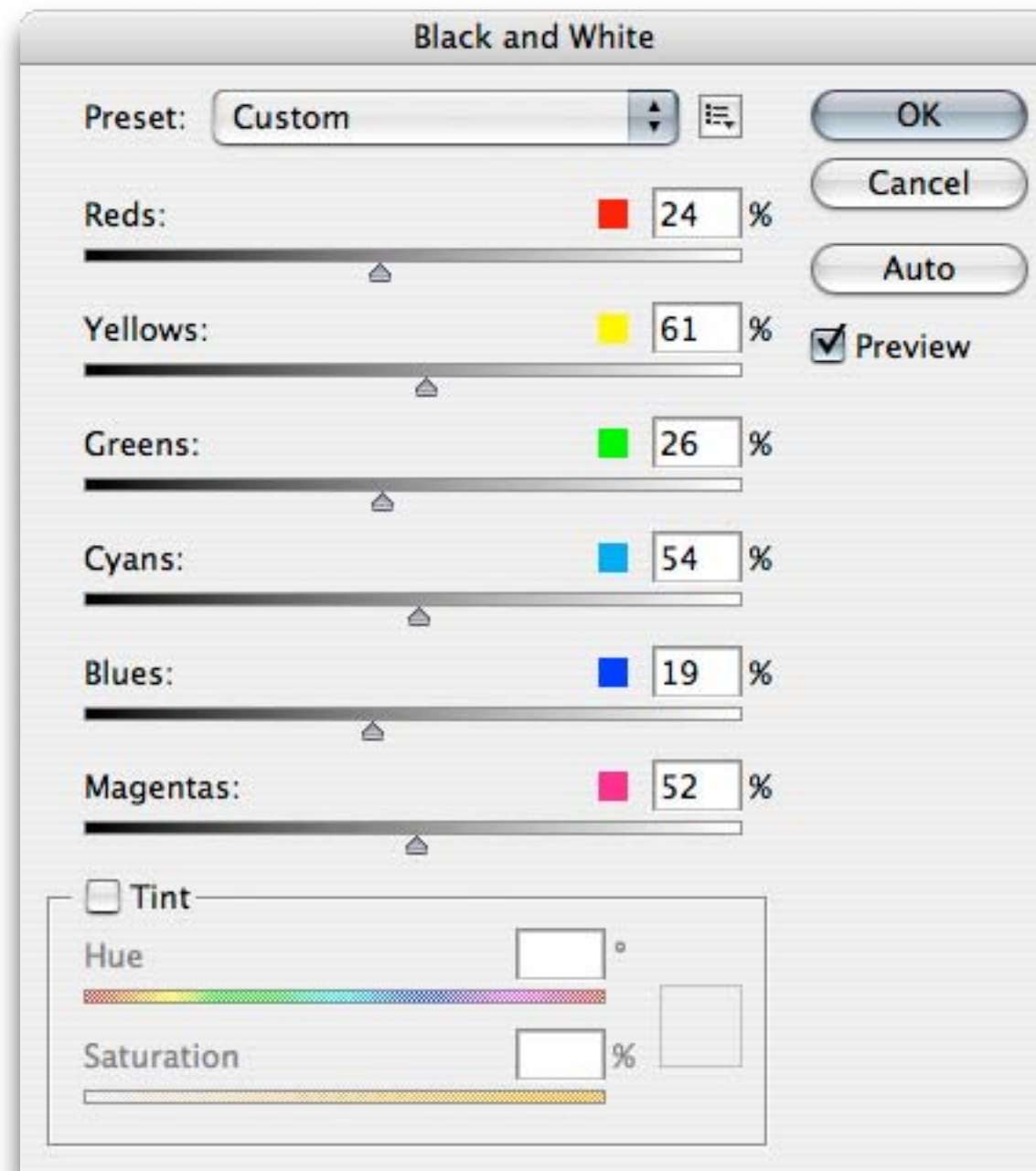
## **DUAL Hue / Saturation Adjustment Layers**



**The “Russell Brown” Method.**

# The Perfect B&W Print

## Photoshop CS3's



**Black and White adjustment.**



# The Perfect B&W Print

**However,  
These B&W  
Conversion  
Methods are  
GLOBAL...**




# The Perfect B&W Print



**You Can Not Easily  
Fine-Tune the  
Results,  
LOCALLY.**



# The Perfect B&W Print



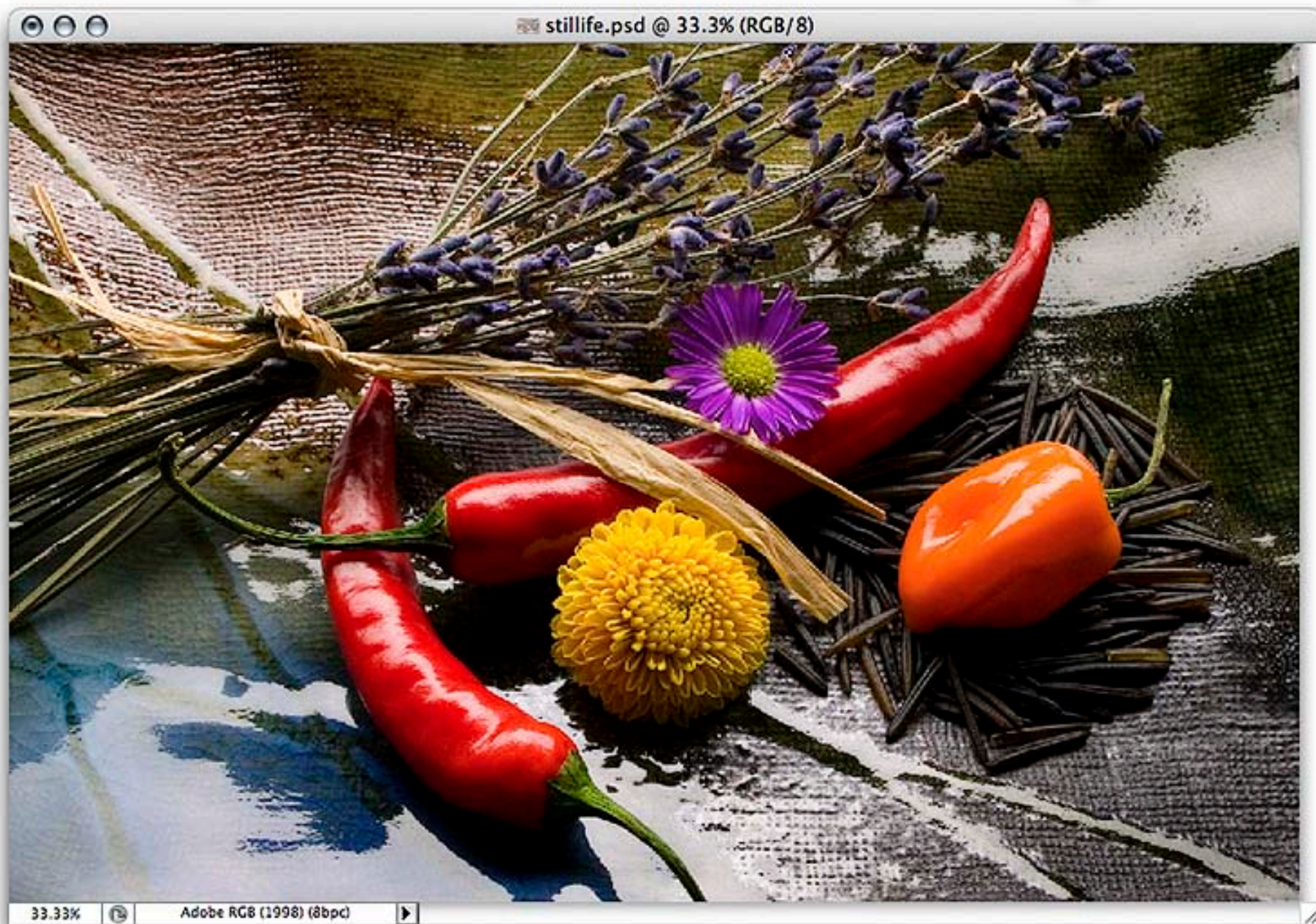
**Using Color  
Channels as  
B&W Layers...**

**Easy to  
Fine-Tune Locally.**



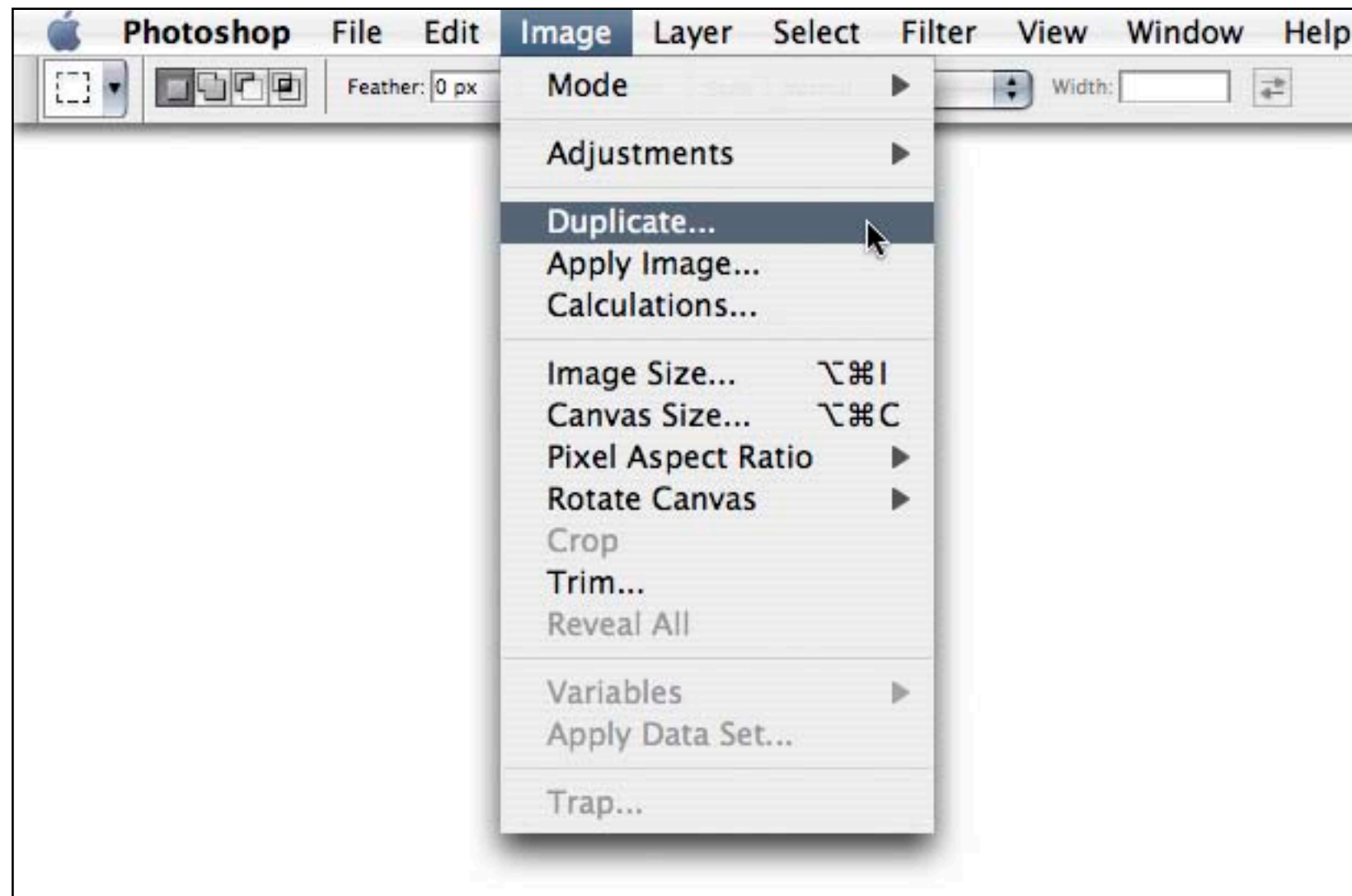
# The Perfect B&W Print

Start With an RGB Color Image...





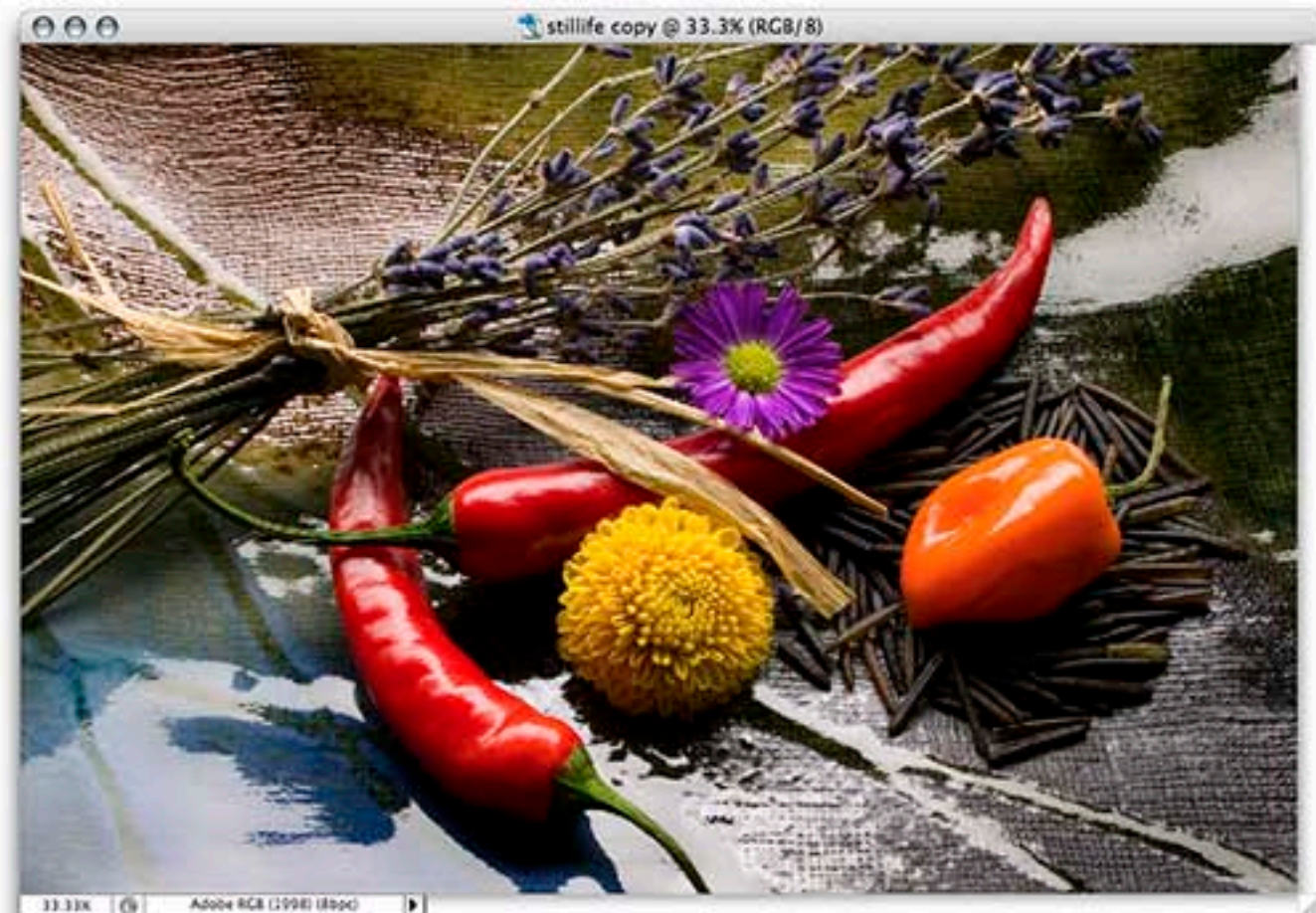
# The Perfect B&W Print



Then Duplicate the Original Color Image.

# The Perfect B&W Print

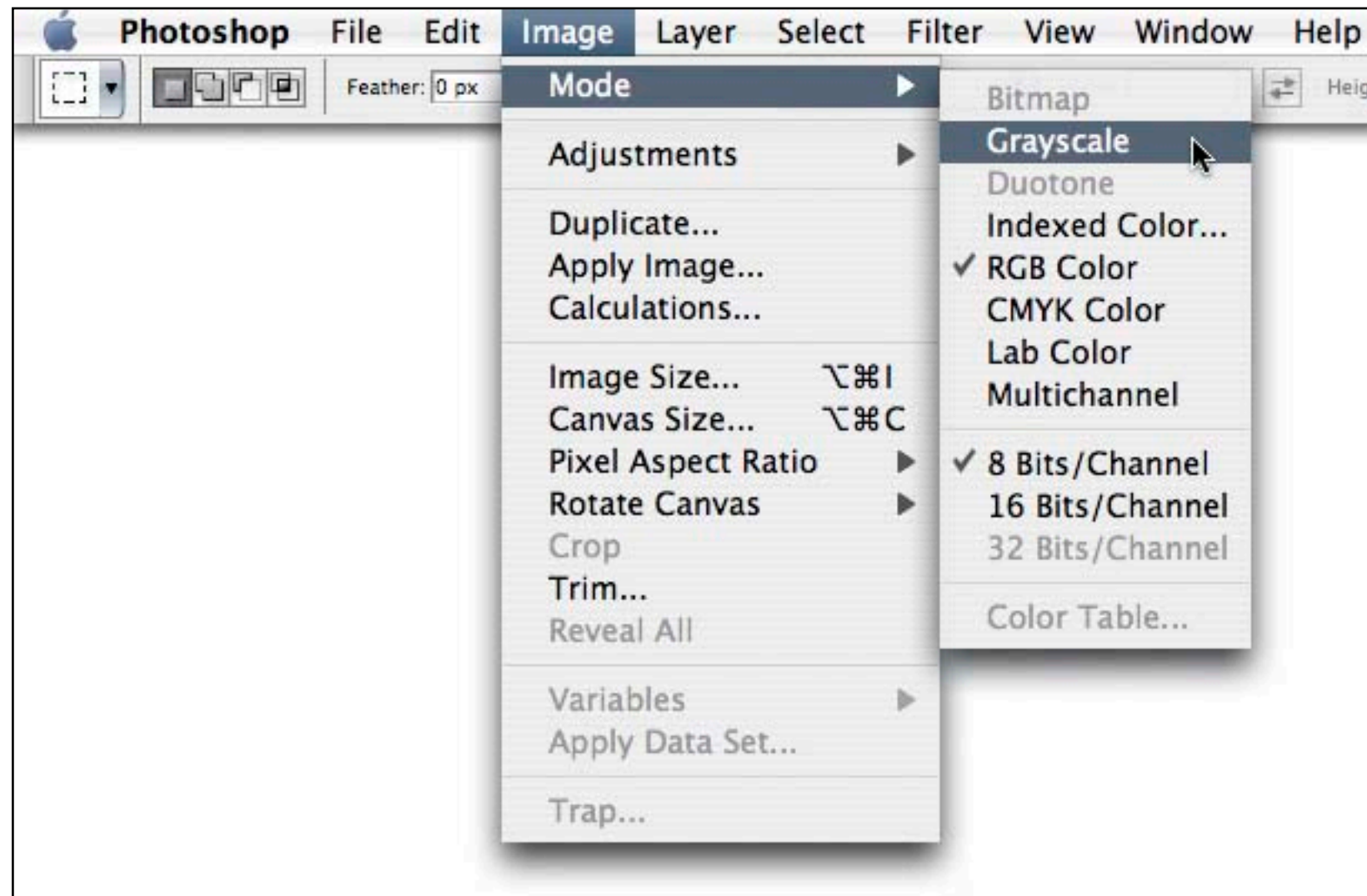
You'll Have The Original Color Image...



And a Duplicate of the Original Color Image.



# The Perfect B&W Print



Then, Convert the Duplicate Image to Grayscale...



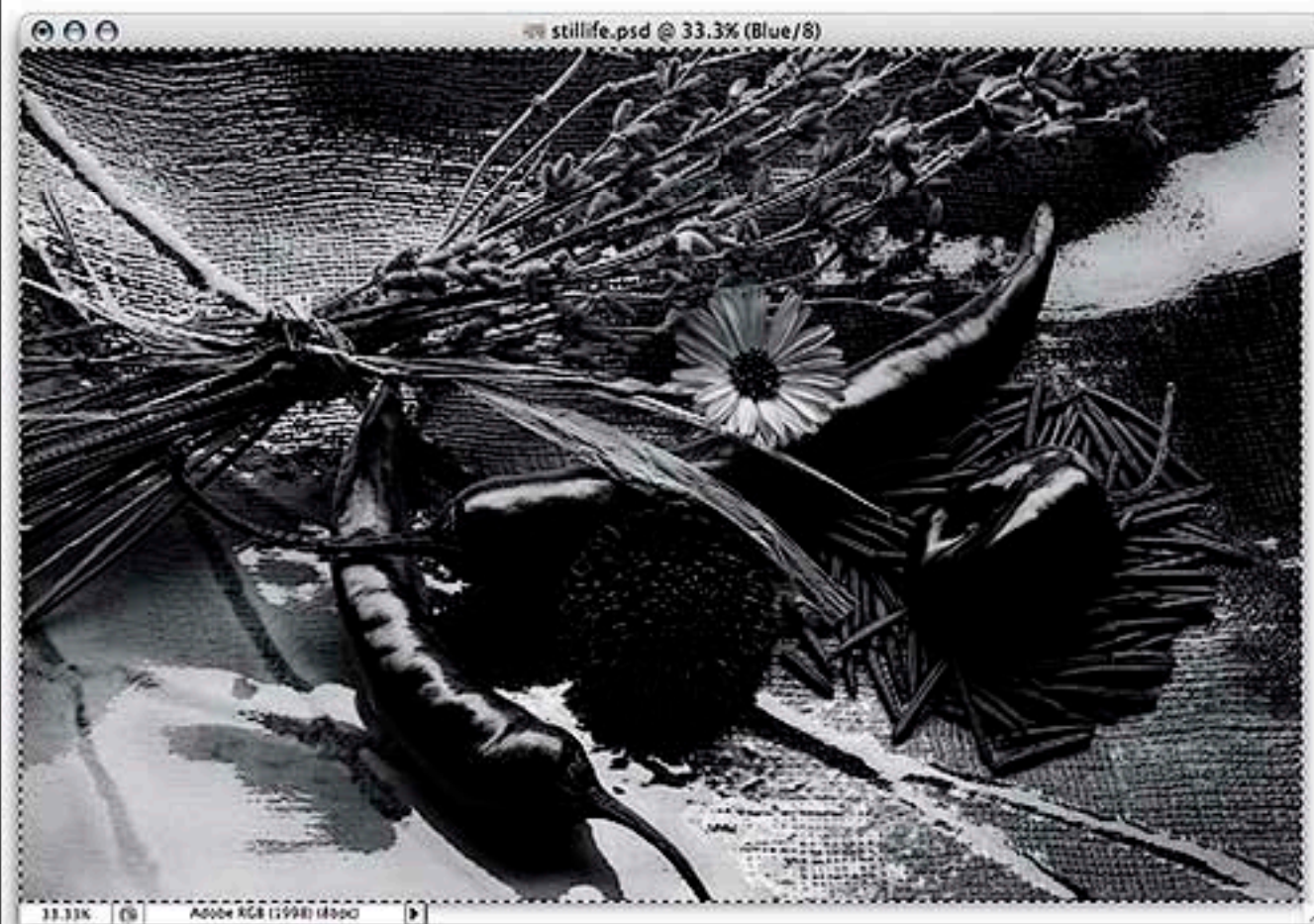
# The Perfect B&W Print



The Duplicate will be Photoshop “Default”...  
About – Red: 30%, Green 60%, Blue 10%



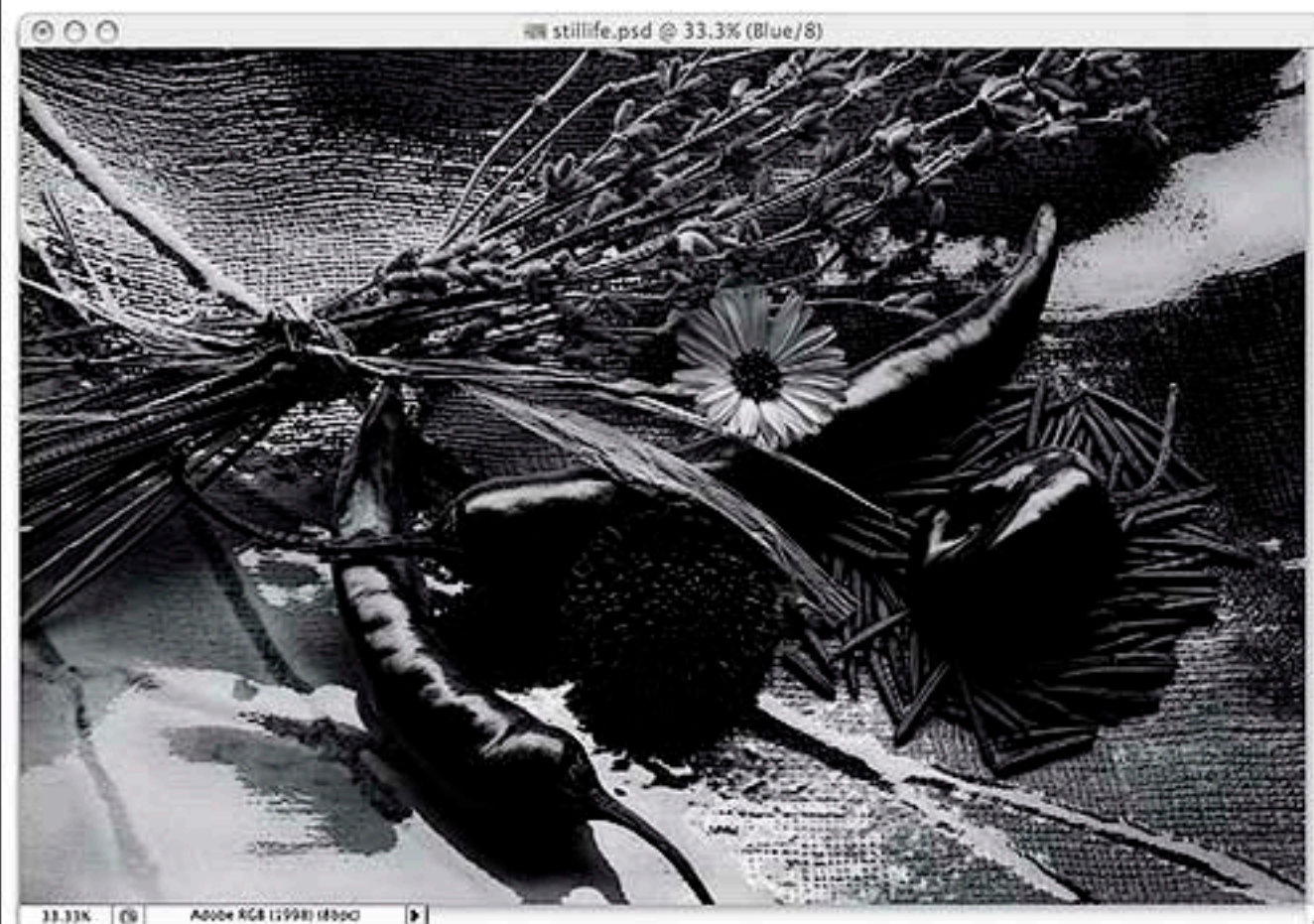
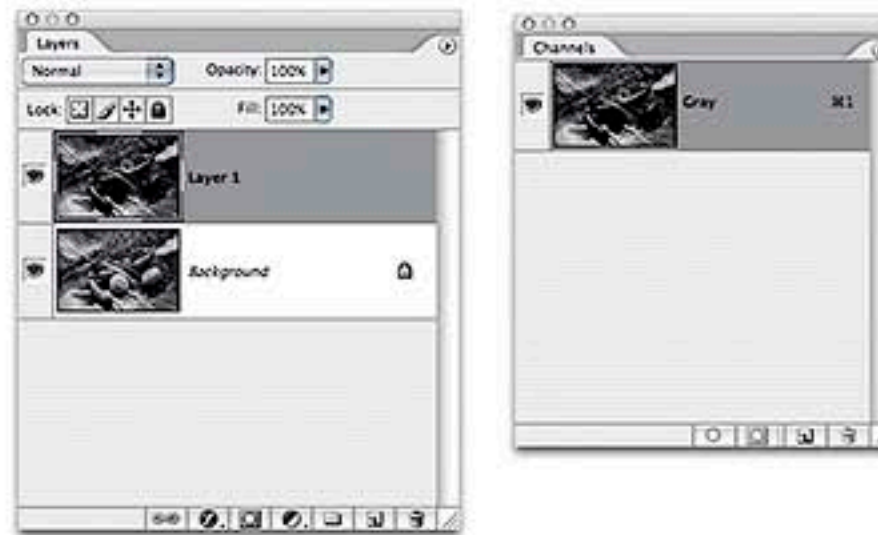
# The Perfect B&W Print



Target the Color Image, Blue Channel, Select All & Copy...



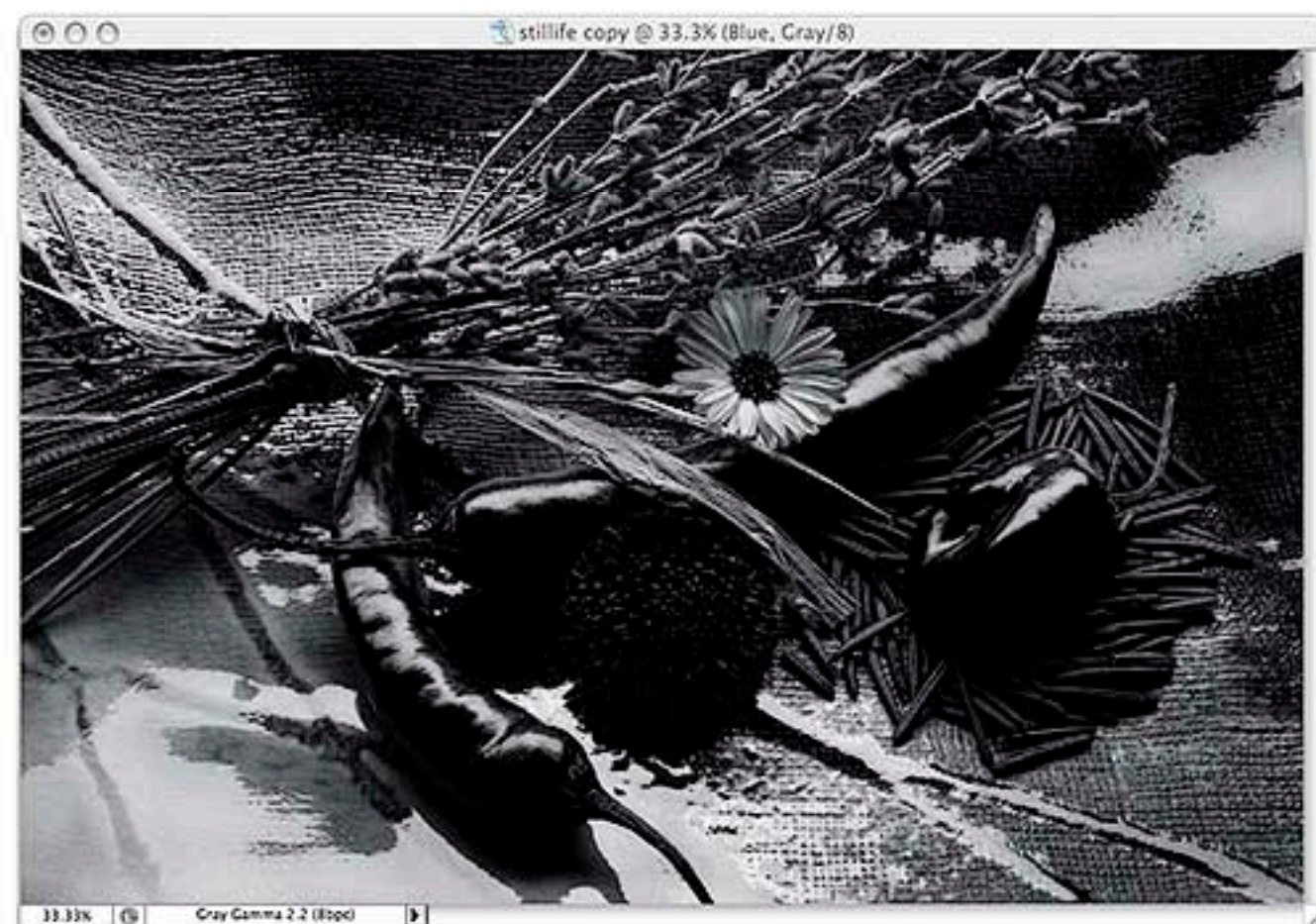
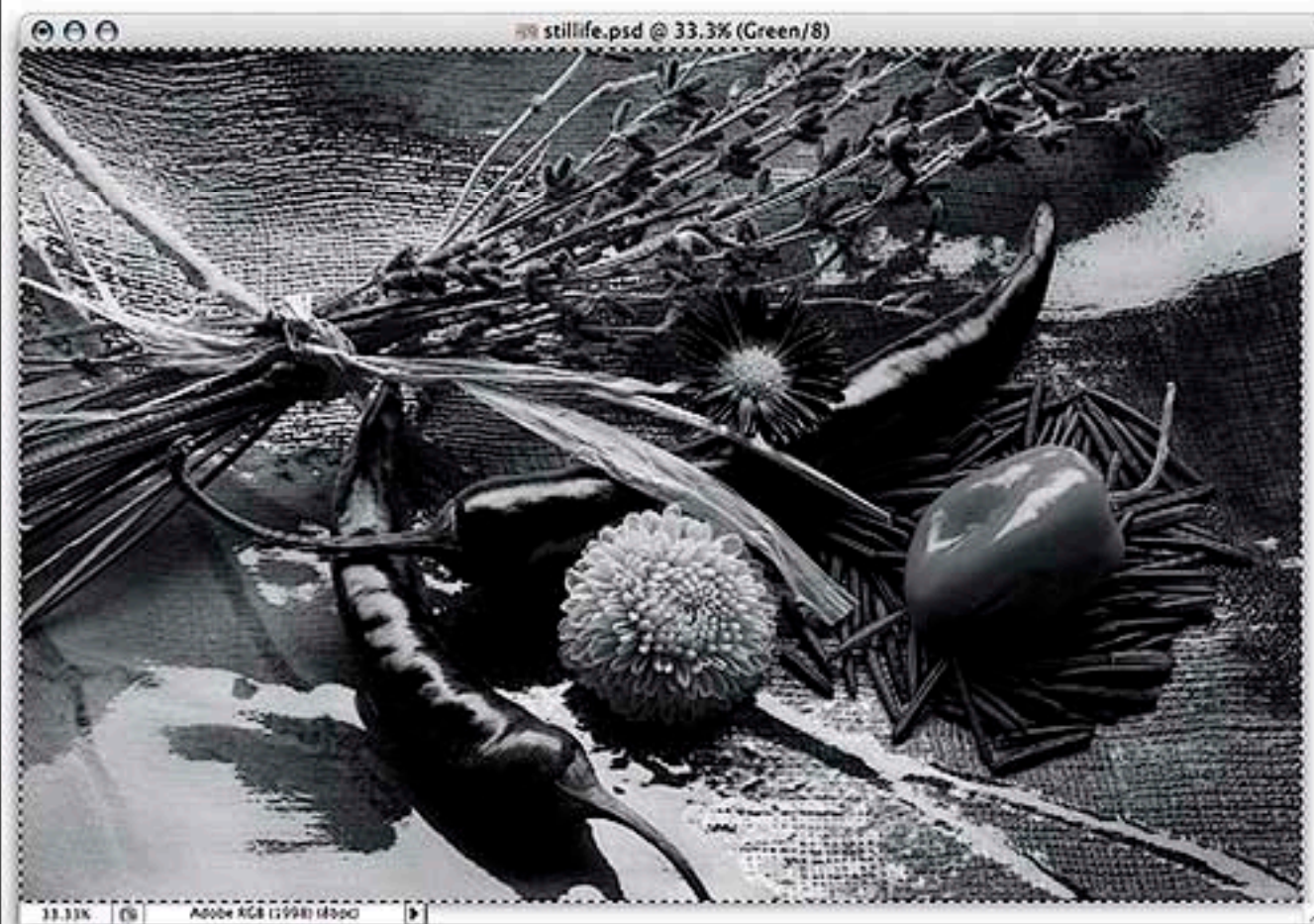
# The Perfect B&W Print



Target the Grayscale Image & Paste.



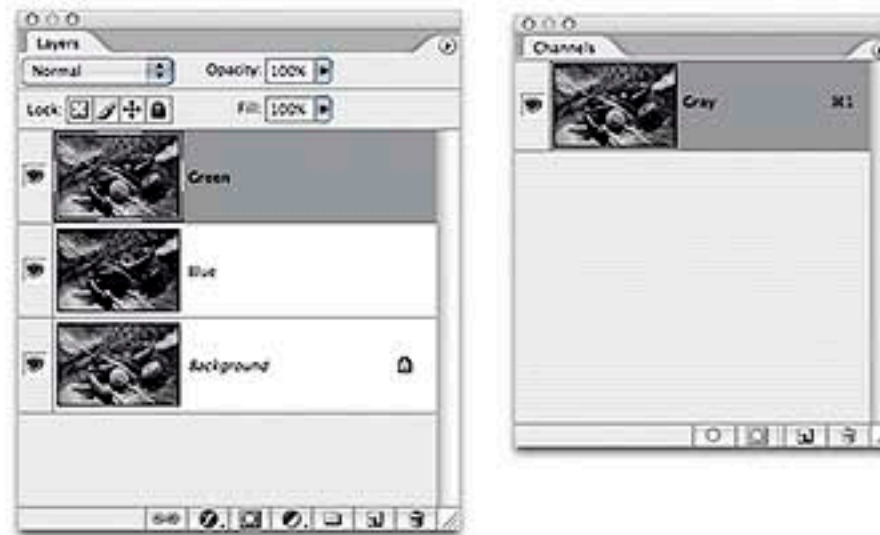
# The Perfect B&W Print



Target the Color Image, Green Channel, Select All & Copy...



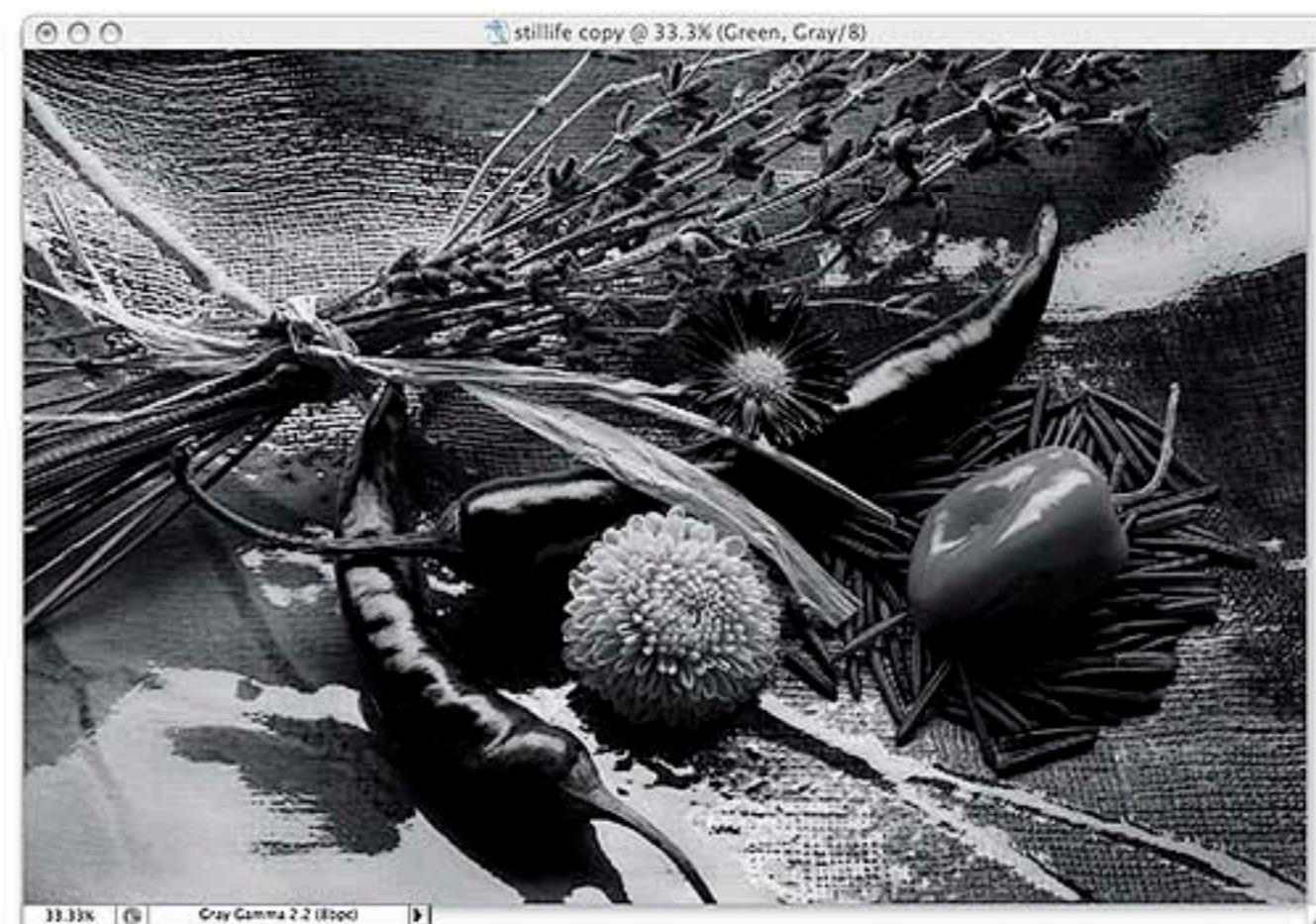
# The Perfect B&W Print



Target the Grayscale Image & Paste.



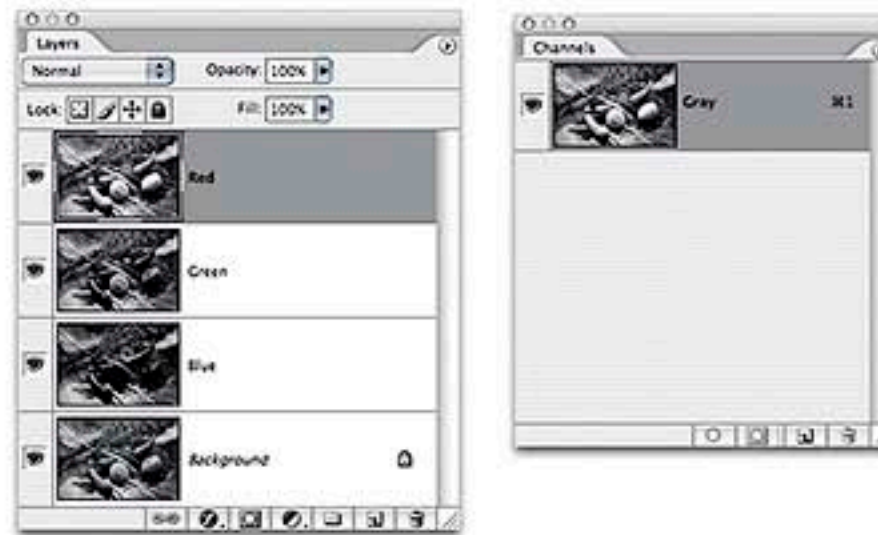
# The Perfect B&W Print



Target the Color Image, Red Channel, Select All & Copy...



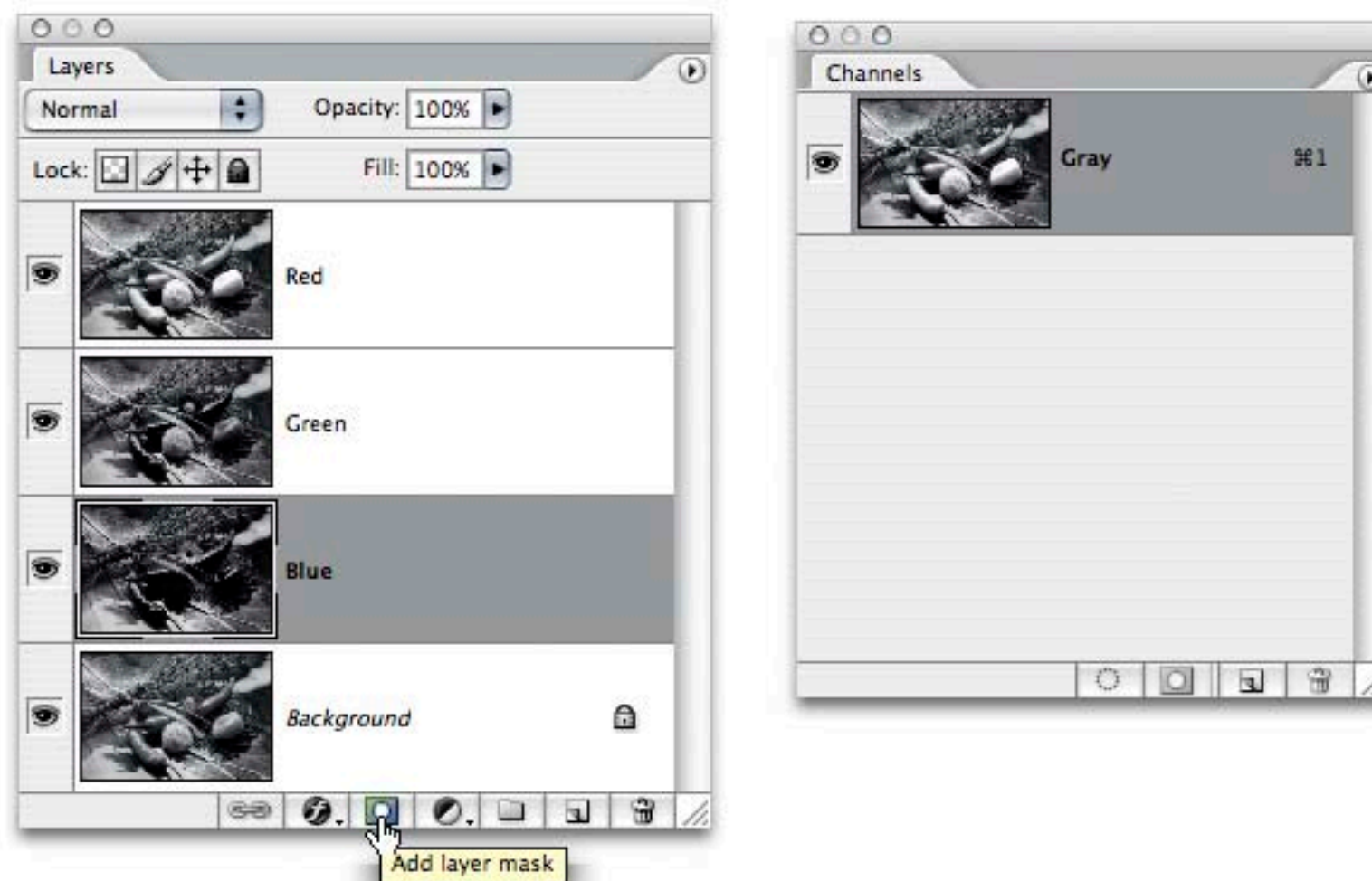
# The Perfect B&W Print



Target the Grayscale Image & Paste.

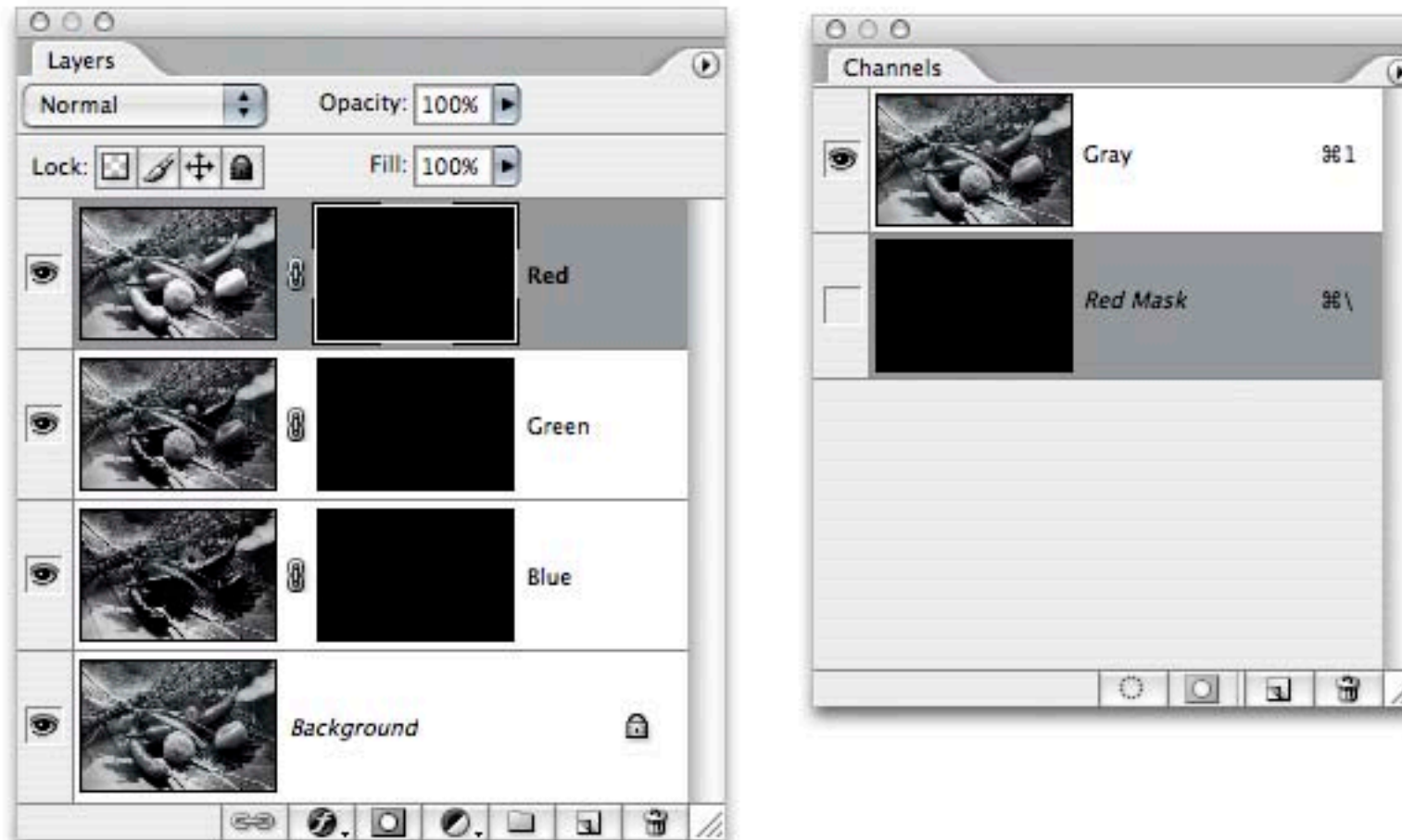


# The Perfect B&W Print



In the Grayscale Layered Document, Add Layer Masks...

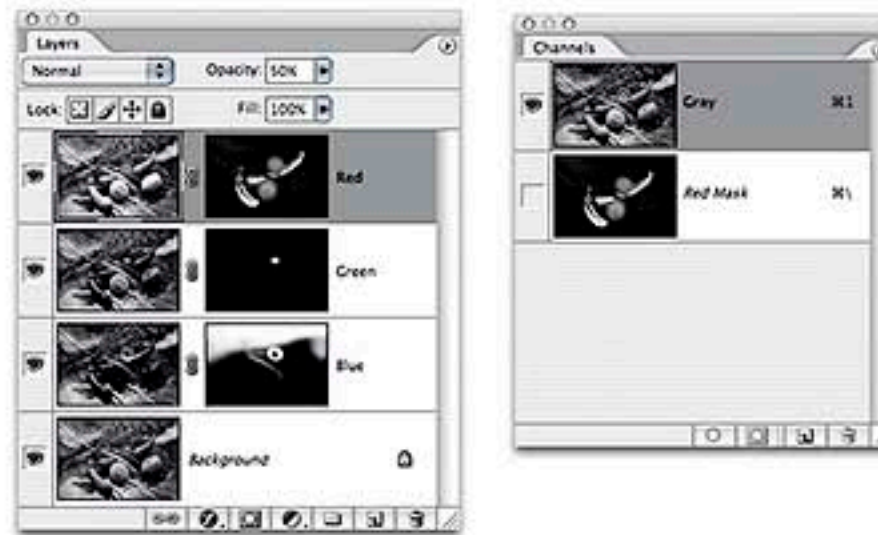
# The Perfect B&W Print



Layer Masks Added, the Additional Layers are Hidden...



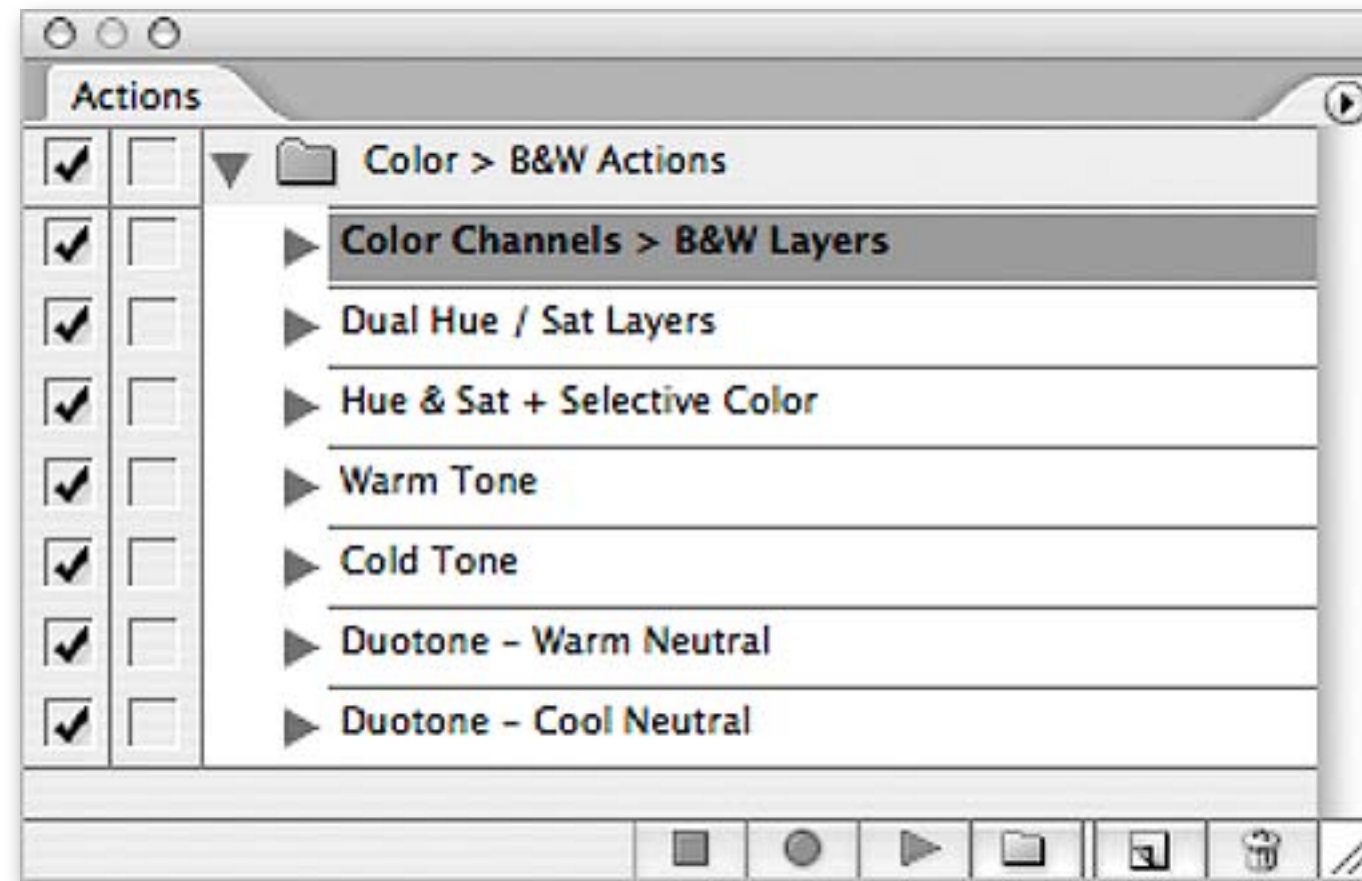
# The Perfect B&W Print



Local Adjustments Using Layer Masks...



# The Perfect B&W Print



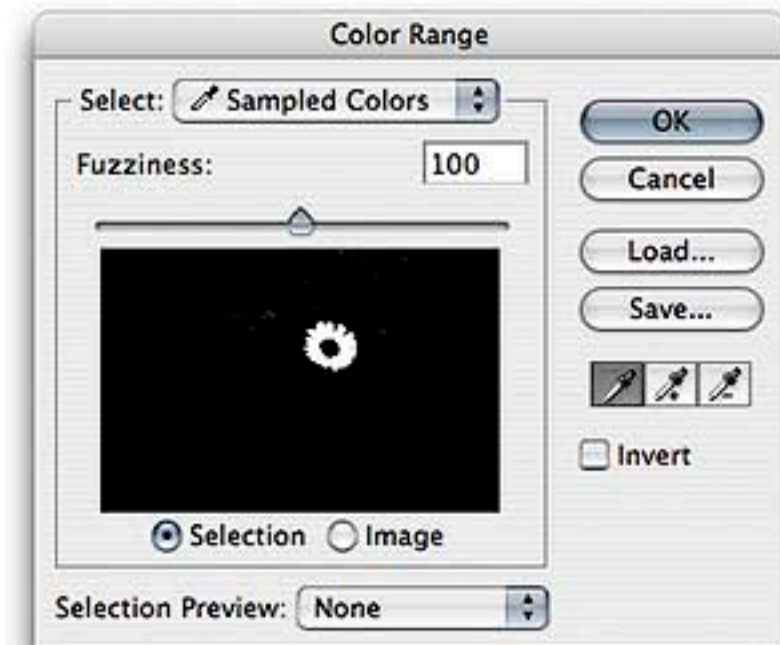
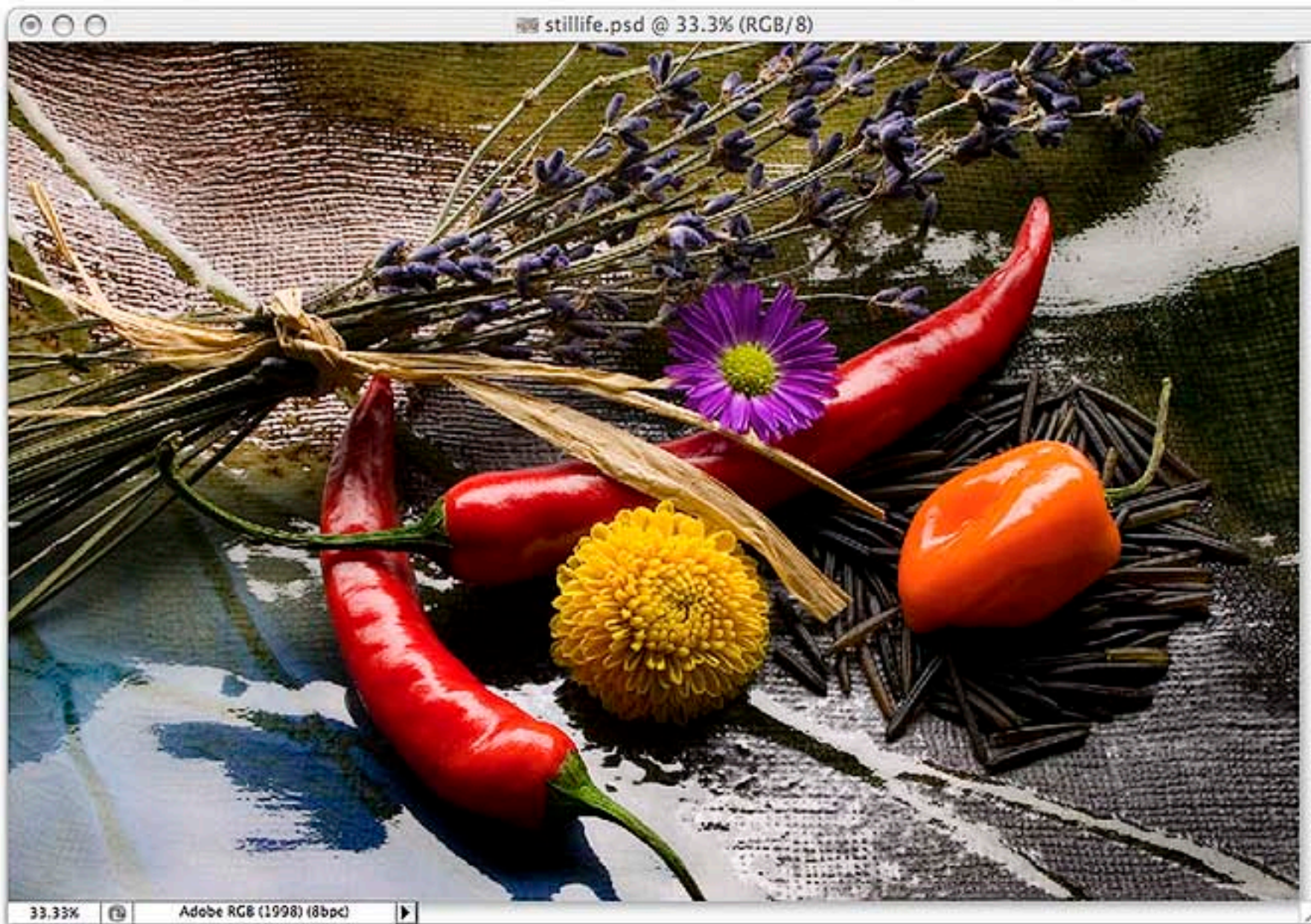
I've Even Given You an Action...



**Why Keep the Color Image Open?**

**To Provide a Source of  
Color Based Selections...**

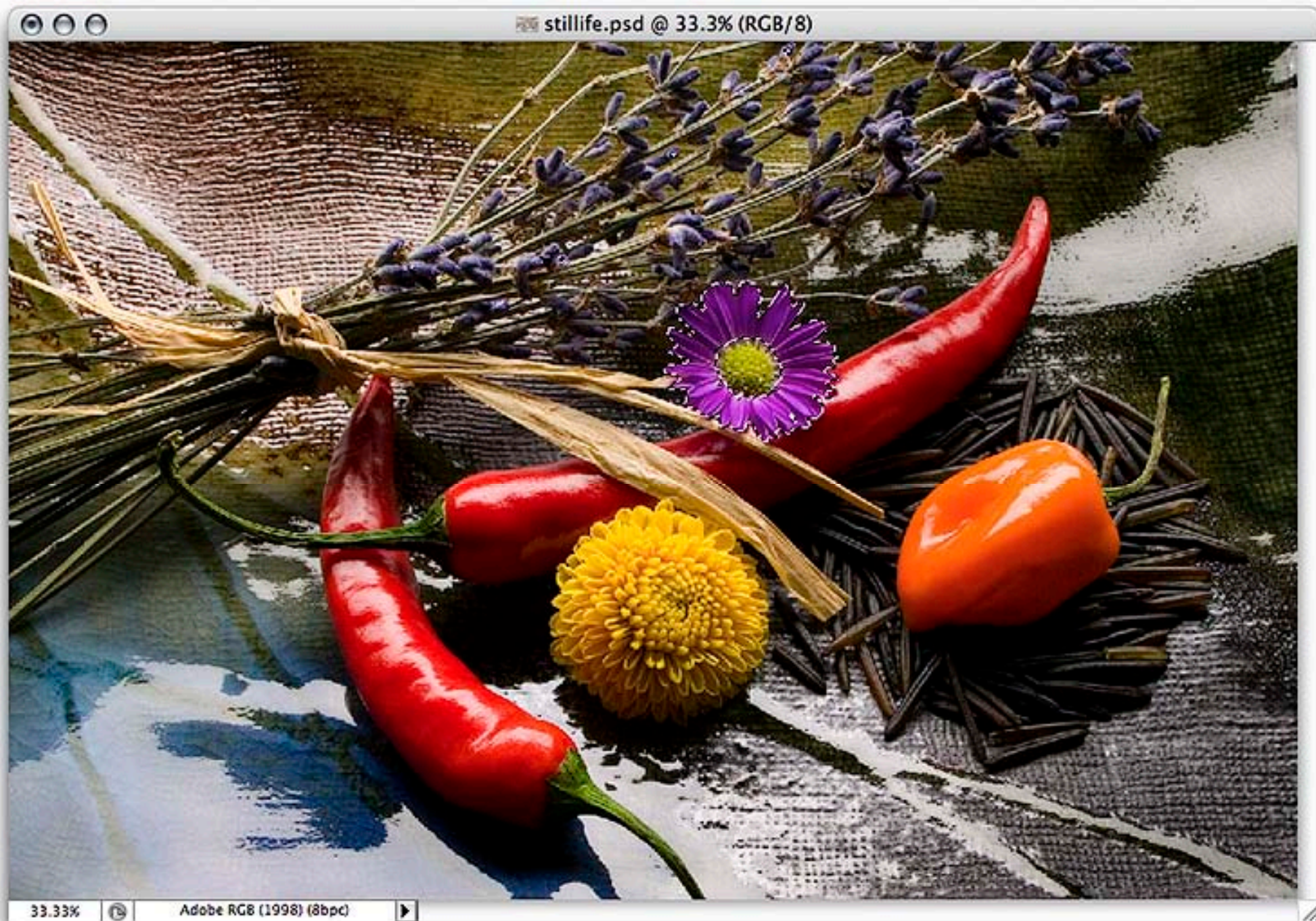
# The Perfect B&W Print



Using Color Range to Create a Color Based Selection...



# The Perfect B&W Print



Use a Selection Tool...



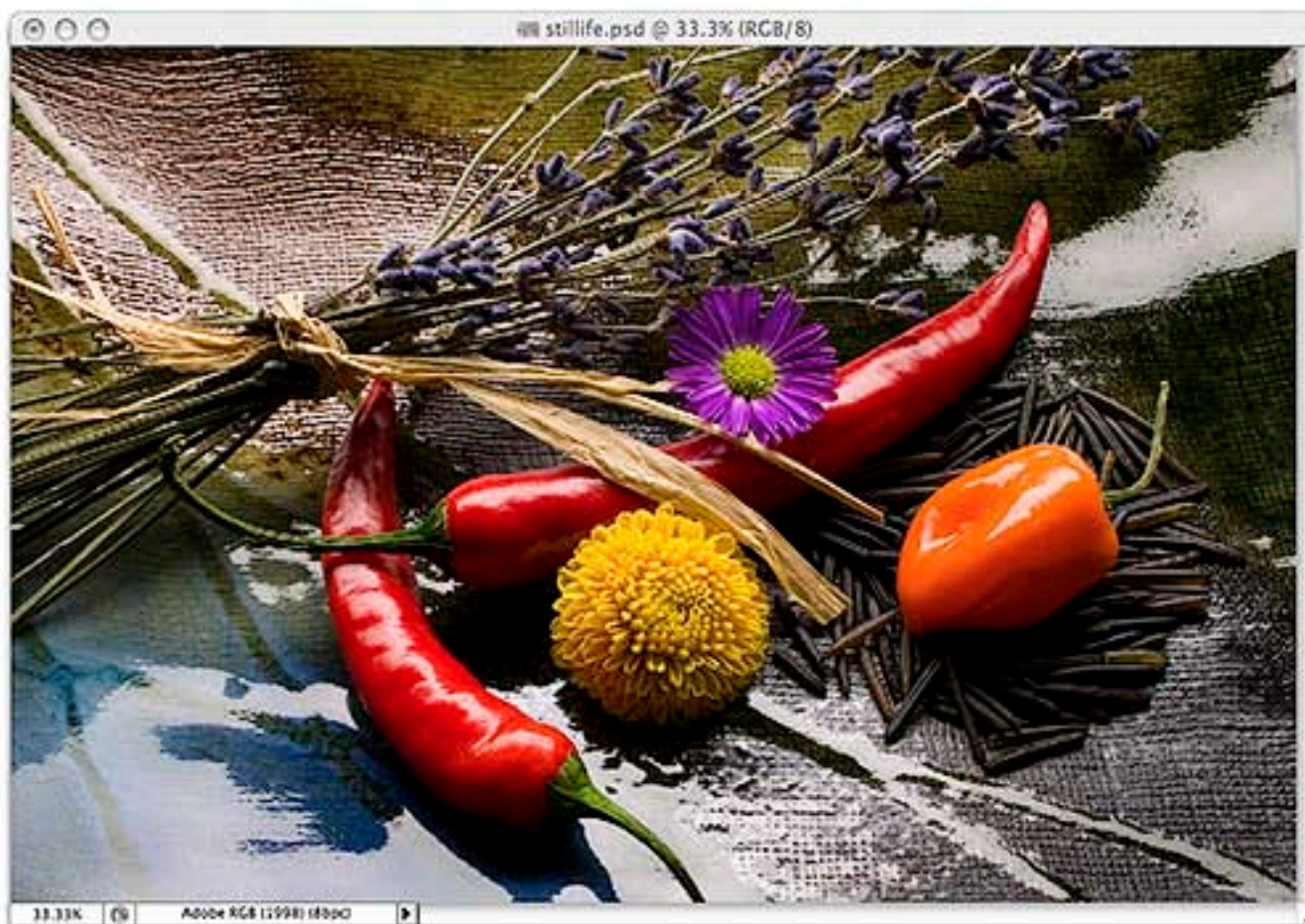
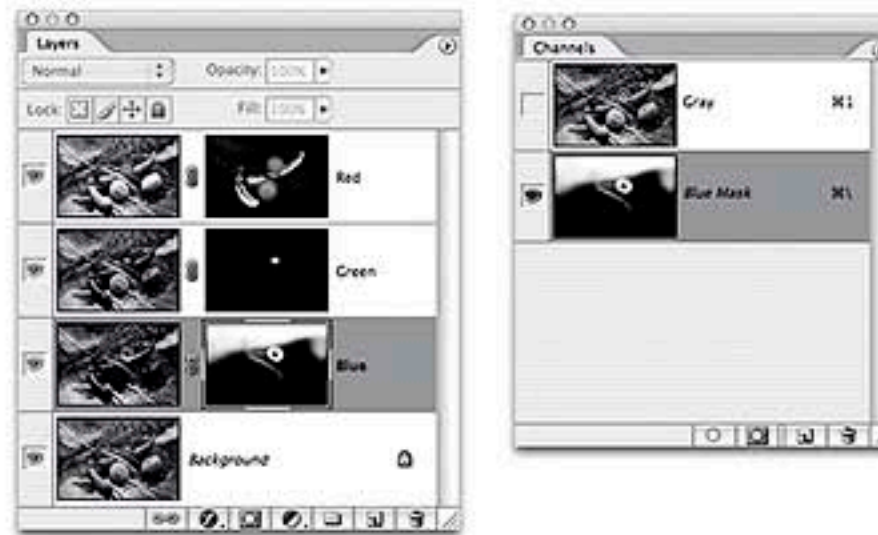
# The Perfect B&W Print



Drag the Selection-then Hold the Shift Key...



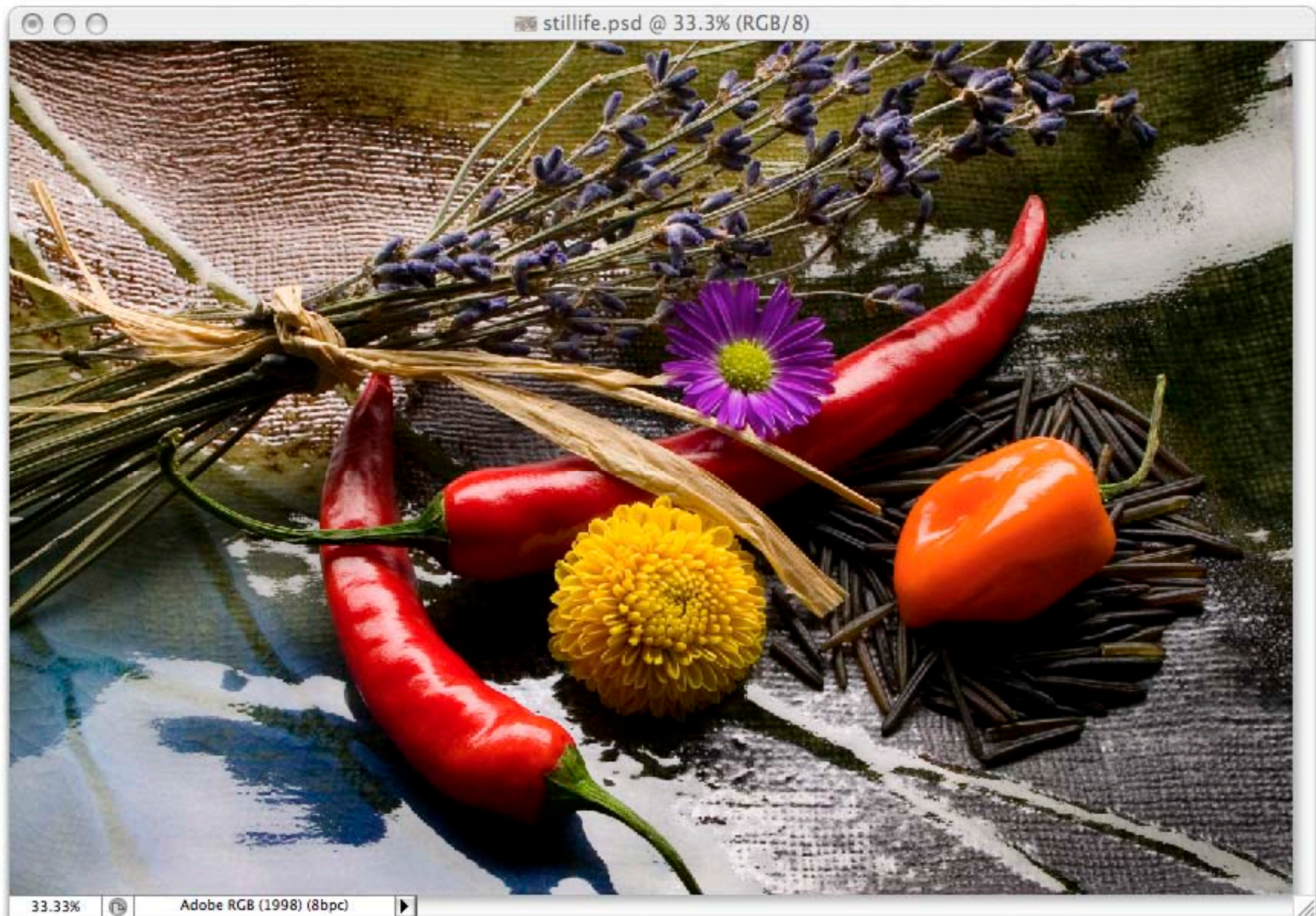
# The Perfect B&W Print



Use the Color Based Selection on the Grayscale Mask...



# The Perfect B&W Print



The Color Original...



# The Perfect B&W Print



The Photoshop “Default”...



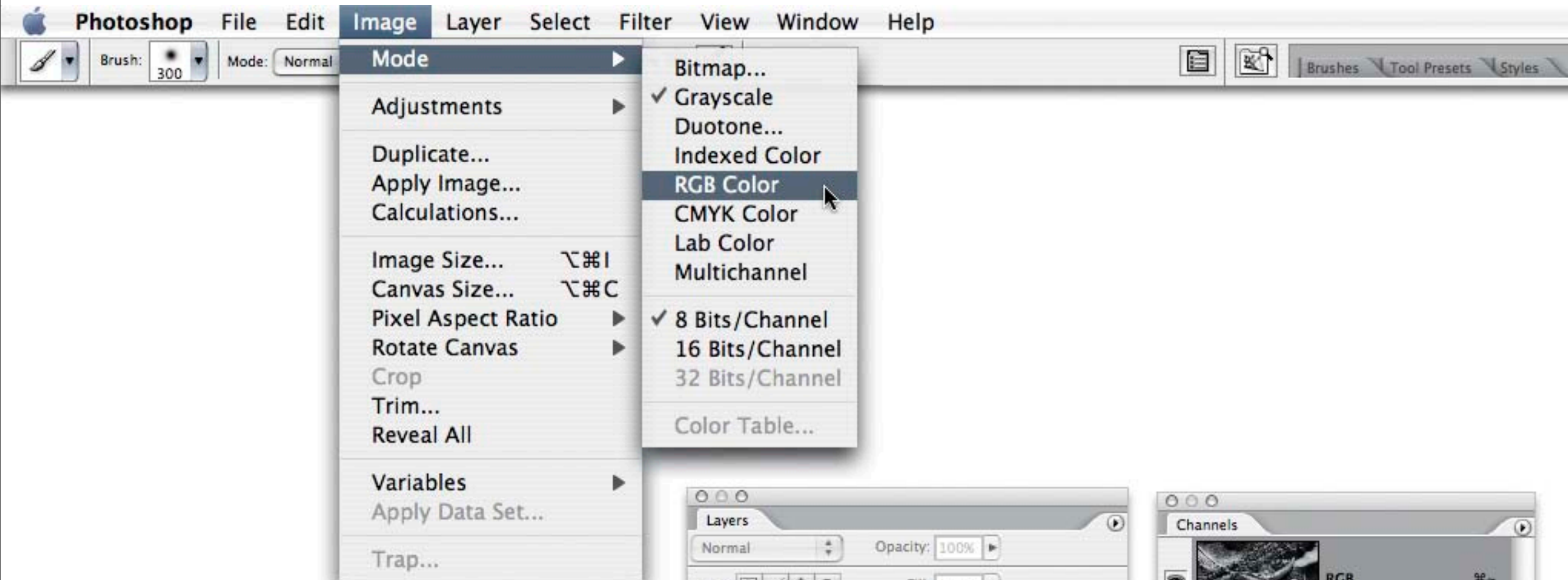


The Color Channel > B&W Layer Conversion...

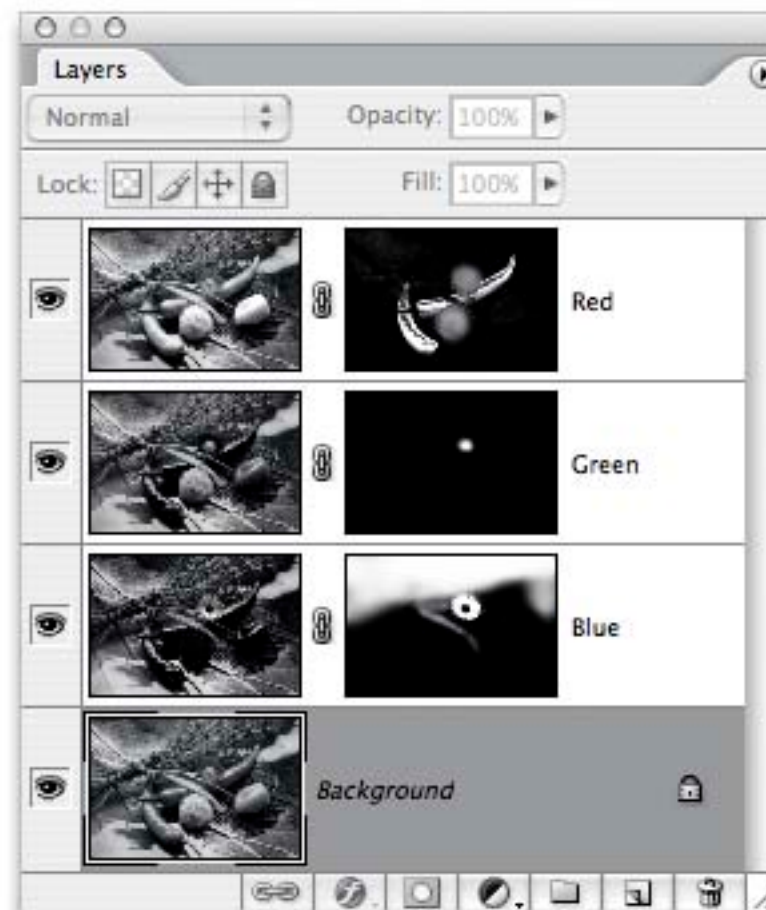


## Adding a Color Tone to a B&W Image...

# The Perfect B&W Print

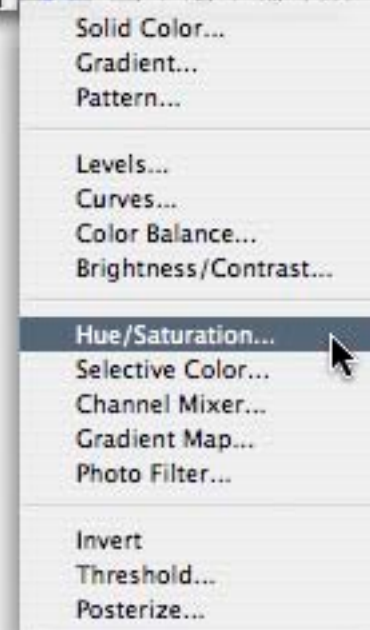
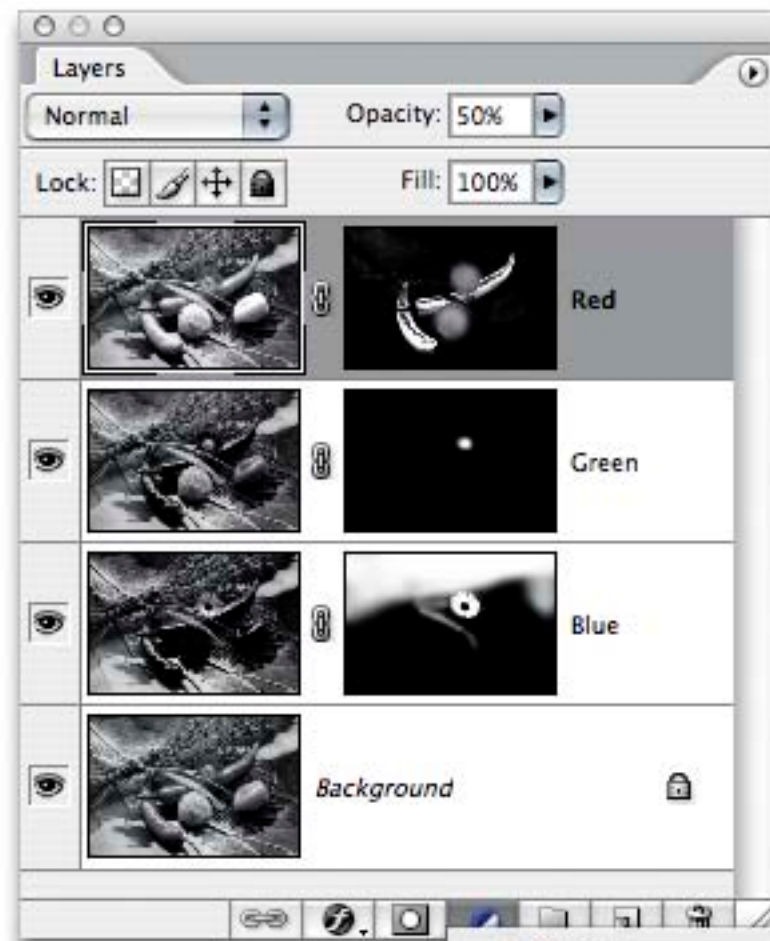


Converting the  
Grayscale Image  
Back to RGB...



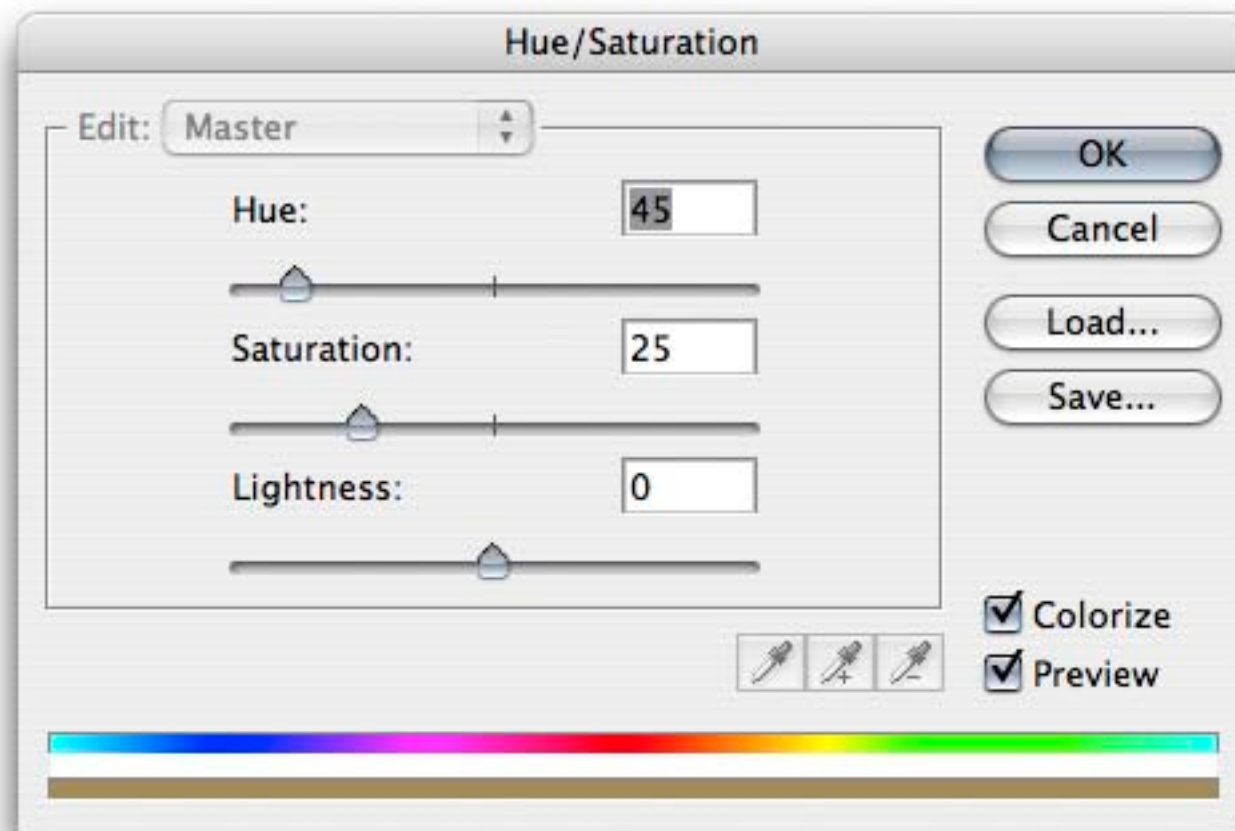


# The Perfect B&W Print



Create a  
Hue / Saturation  
Adjustment Layer...

# The Perfect B&W Print



**Hue/Saturation**  
**“Colorize” Option**  
**Adjust the Hue...**

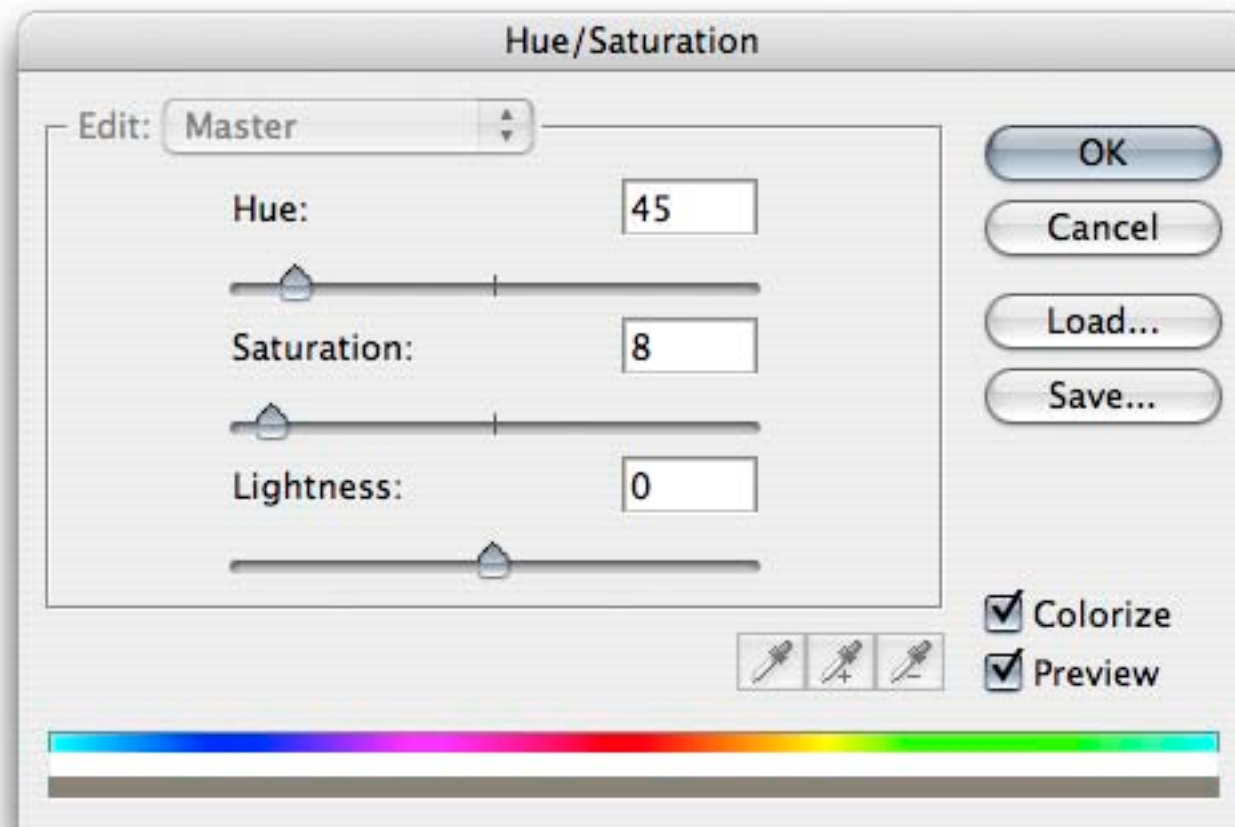


# The Perfect B&W Print





# The Perfect B&W Print



**Adjust the Saturation...**

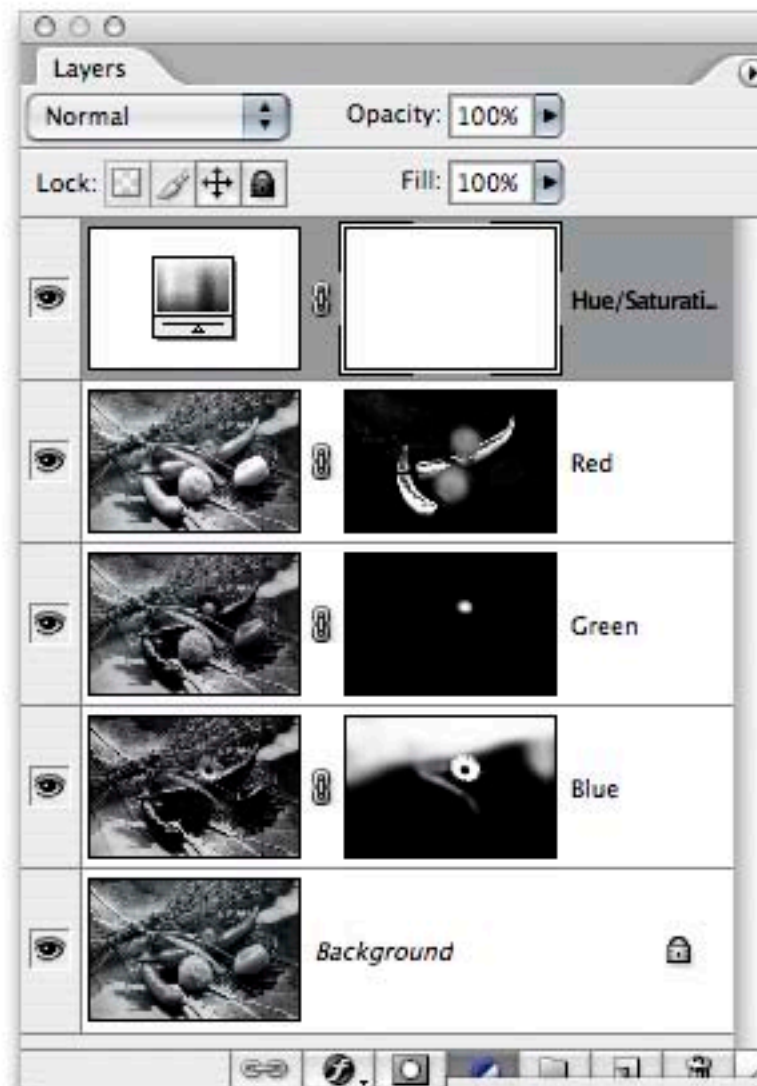


# The Perfect B&W Print

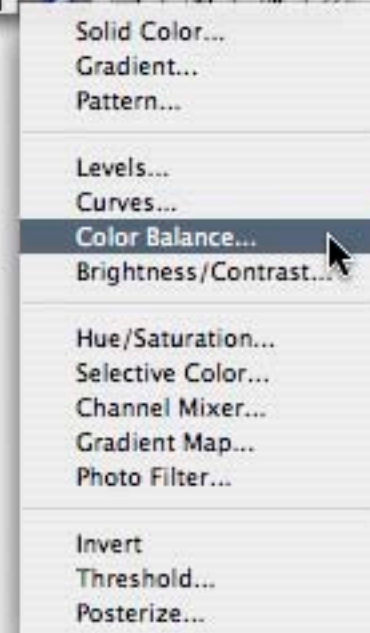




# The Perfect B&W Print

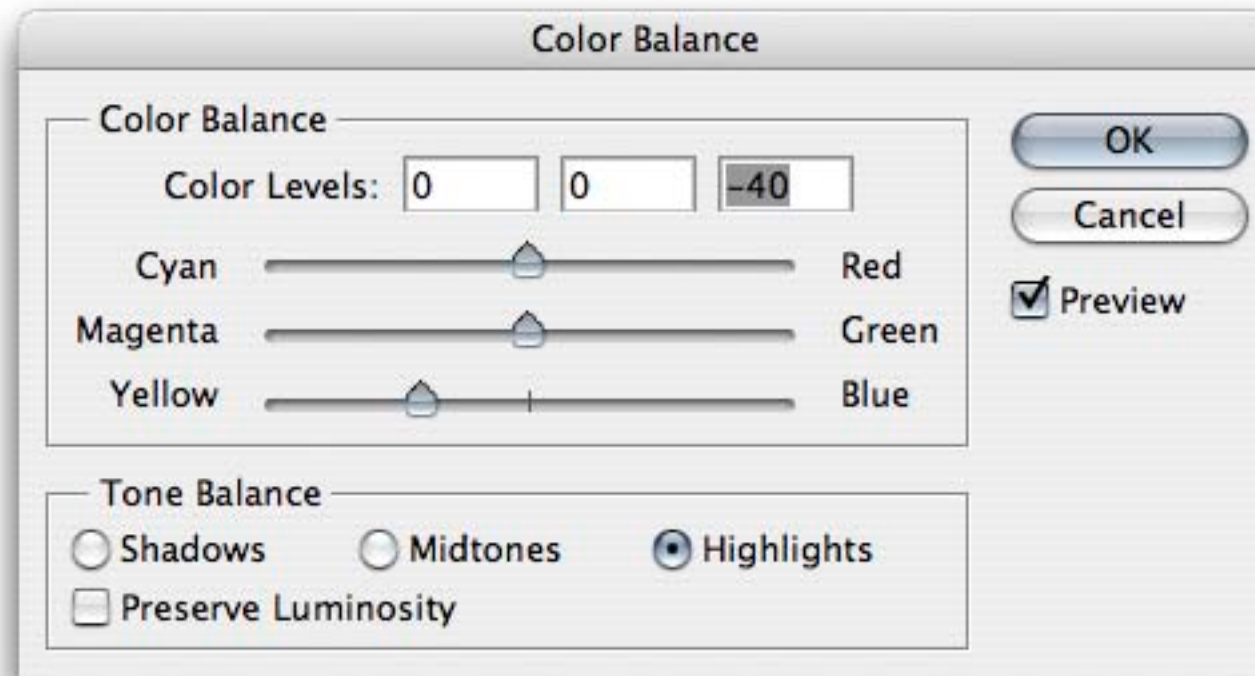


Create a  
Color Balance  
Adjustment Layer...





# The Perfect B&W Print



## Warming the Highlights...

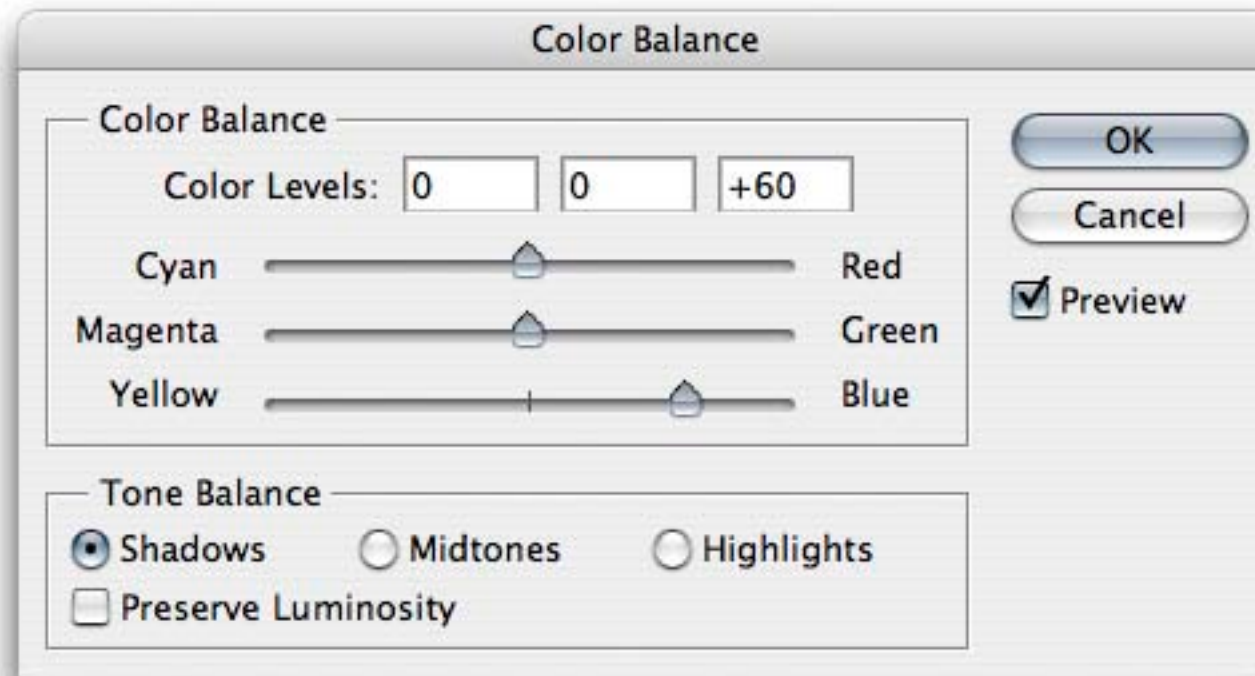


# The Perfect B&W Print





# The Perfect B&W Print



## Cooling the Shadows...



# The Perfect B&W Print





# The Perfect B&W Print



Custom Grayscale Conversion



# The Perfect B&W Print



Adding a Colorize Hue / Saturation Adjustment Layer



# The Perfect B&W Print



Adjusting the Saturation



# The Perfect B&W Print



Color Balance Layer - Adjusting the Highlights Warmer



# The Perfect B&W Print



Color Balance Layer - Adjusting the Shadows Cooler



**OK, Now Ya Got a Nice  
B&W Image....**

**Now What?**



The Perfect B&V Print

# **COLOR MANAGEMENT!**

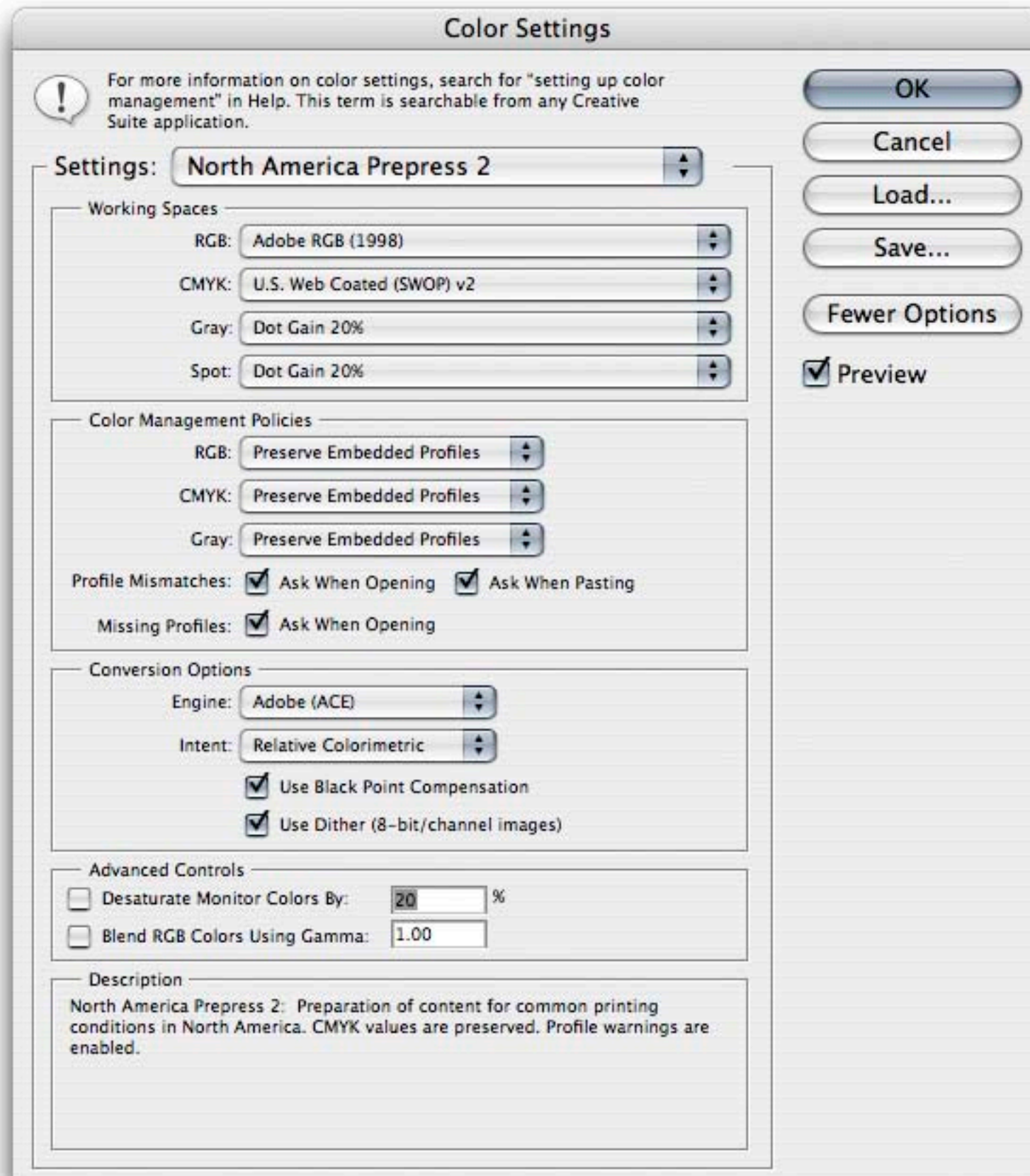


**Because in Order  
to Print...**

**Color Management is  
Required.**



# The Perfect B&W Print

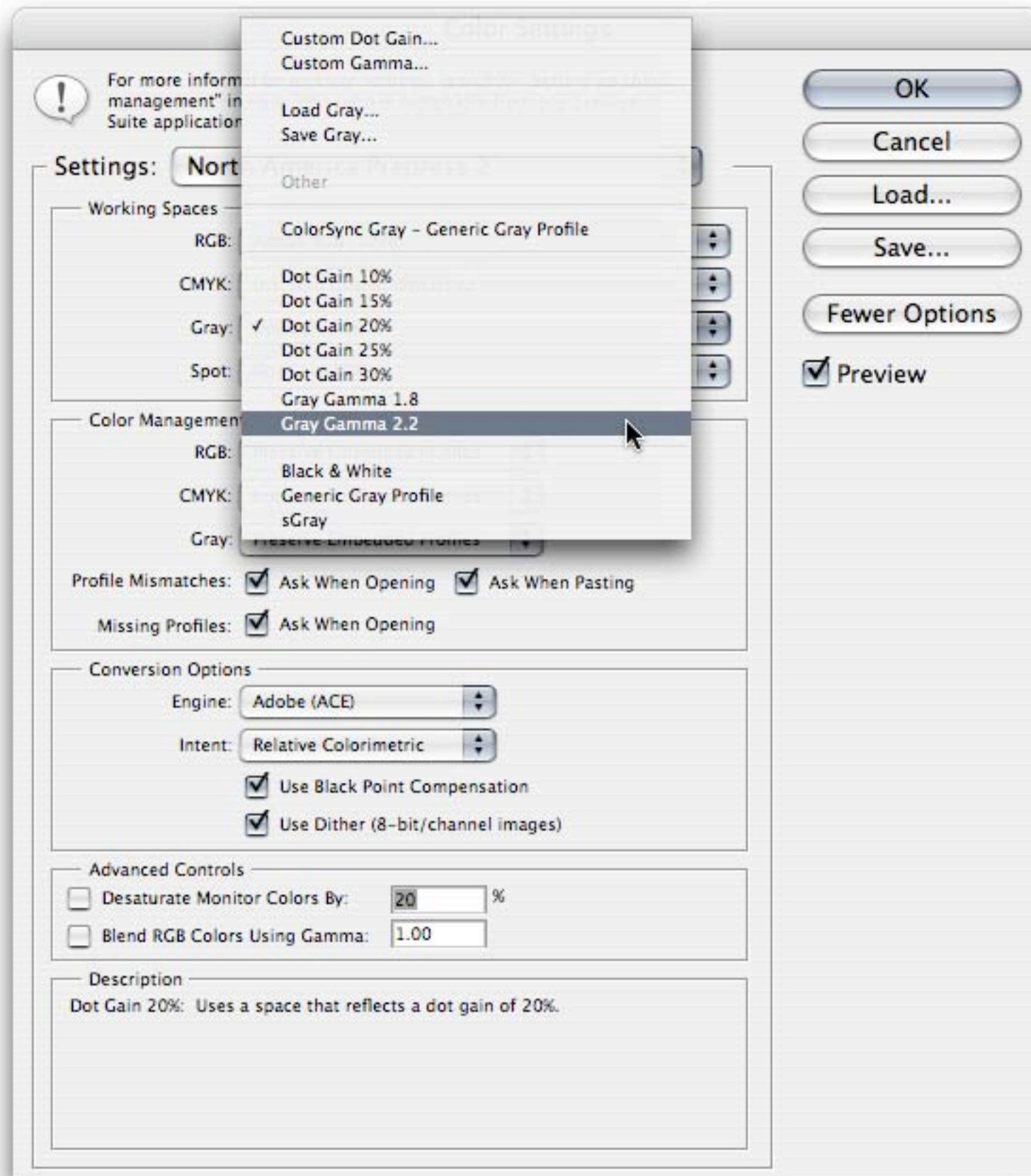


More Options...

Allows you to  
selection important  
parameters...



# The Perfect B&W Print



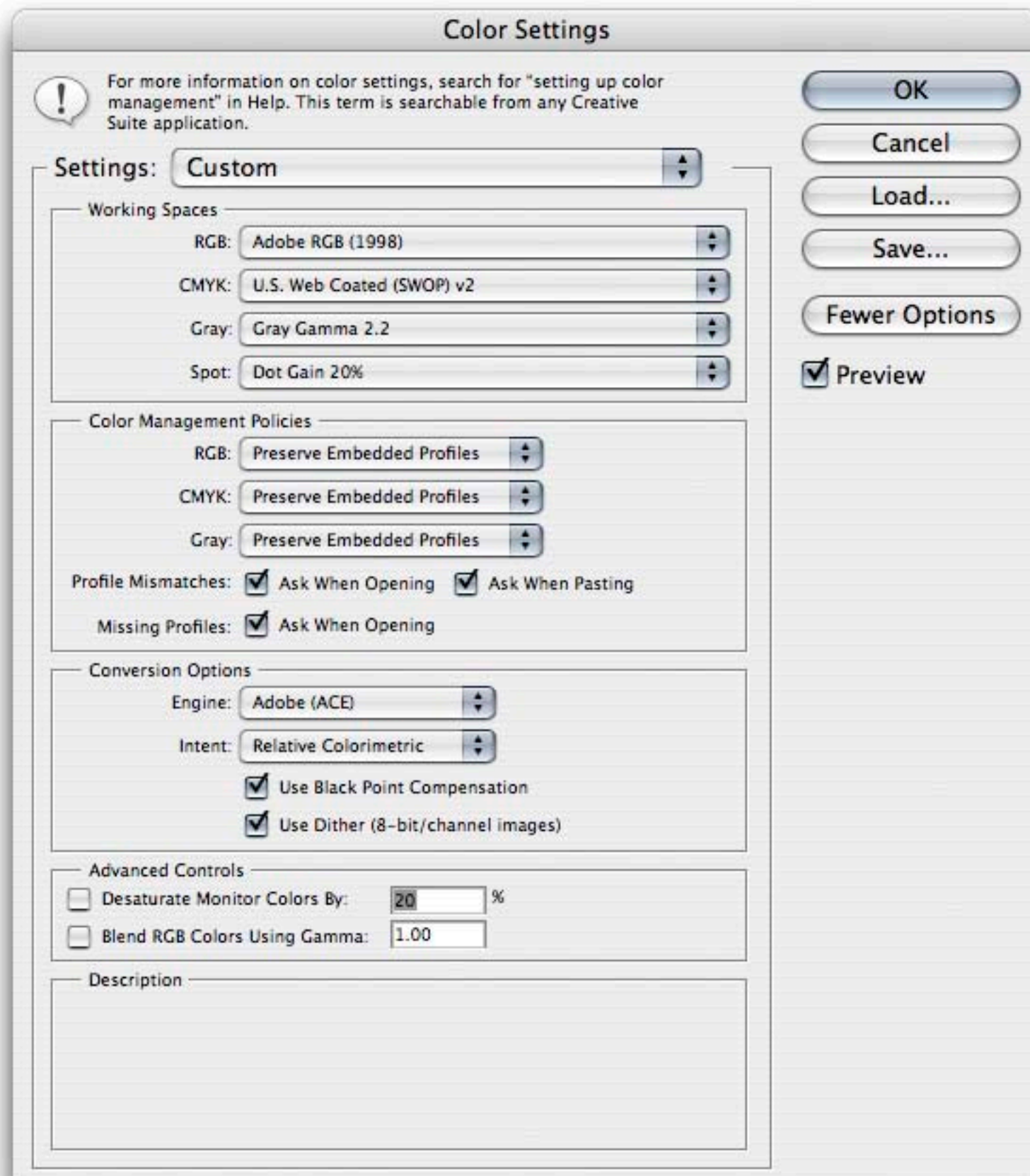
Adjusting Gray  
Gamma...

When Working in  
RGB  
Gray Setting Should  
Match Gamma

But Dot Gain When  
Working in CMYK



# The Perfect B&W Print



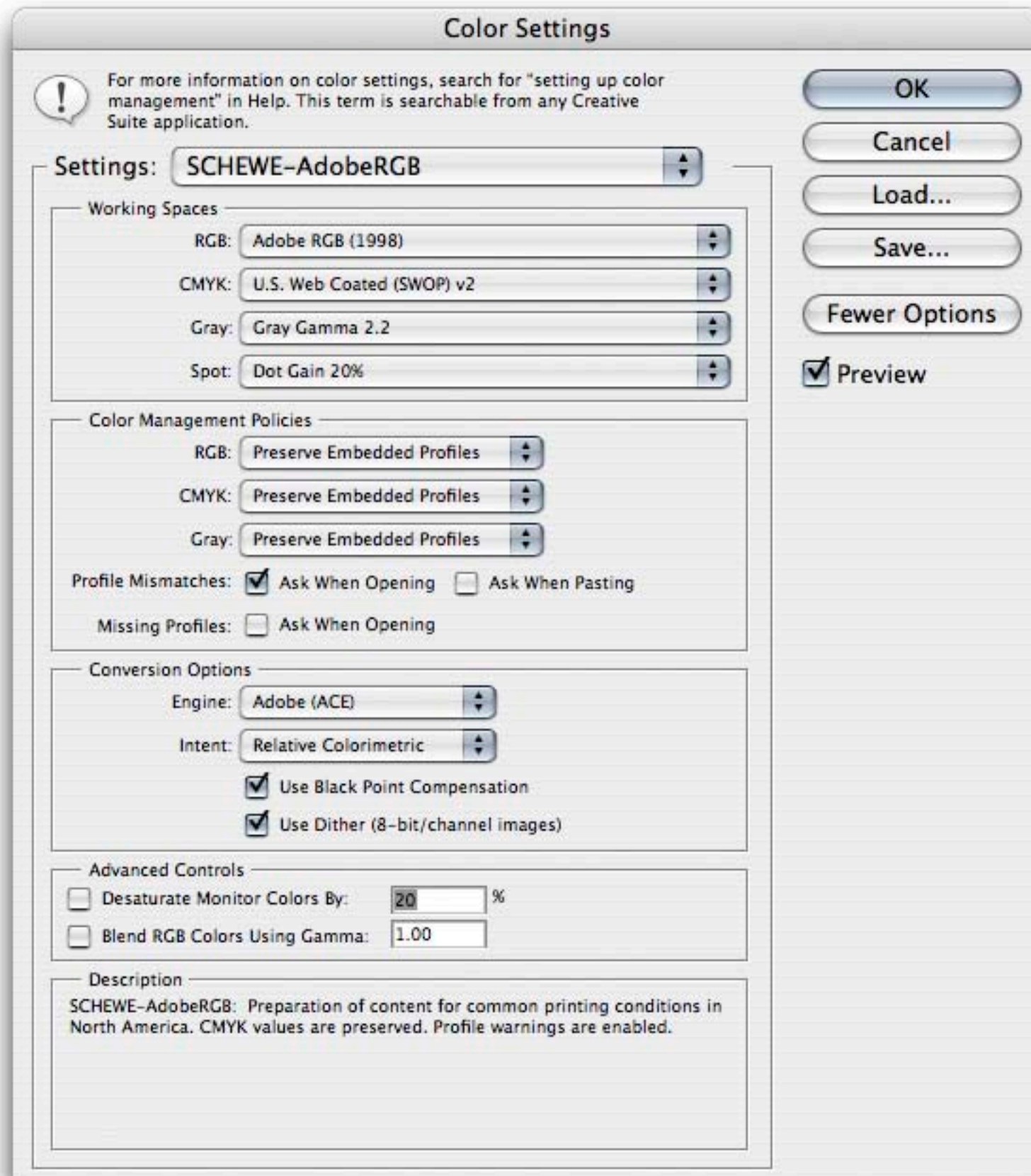
## Adjusting Gray Gamma...

Gray Gamma Should Match Your Photoshop RGB Working Space

Adobe RGB = 2.2  
ColorMatch RGB = 1.8  
ProPhoto RGB = 1.8  
sRGB = 2.2



# The Perfect B&W Print



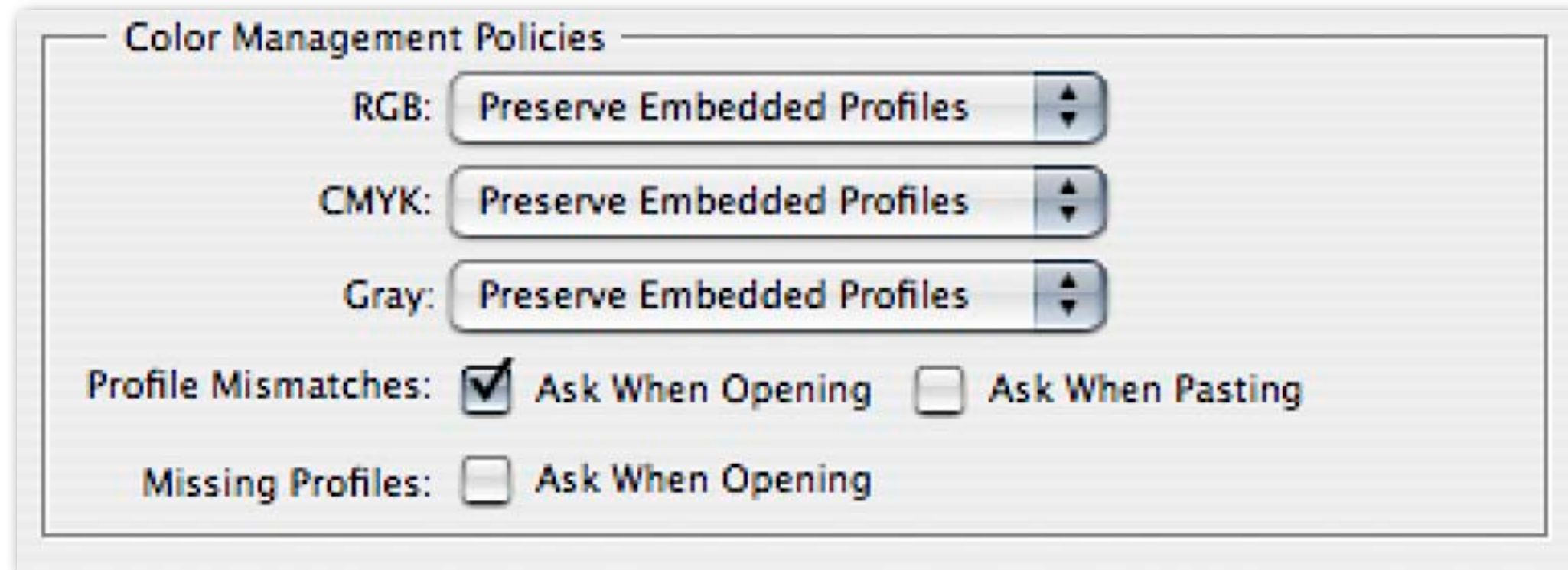
Saved Color Settings...

Deselect:  
Ask When Pasting  
Ask When Opening:  
Missing Profiles

It's Useful to Know when  
an Image doesn't Match.



# The Perfect B&W Print



It's Useful to Know when an Image doesn't Match.  
But, you'll ALWAYS Want to Convert on Paste  
and Selecting a Profile When Opening  
is Silly...You Can't See the Image  
So...How Will You Know it's Correct?

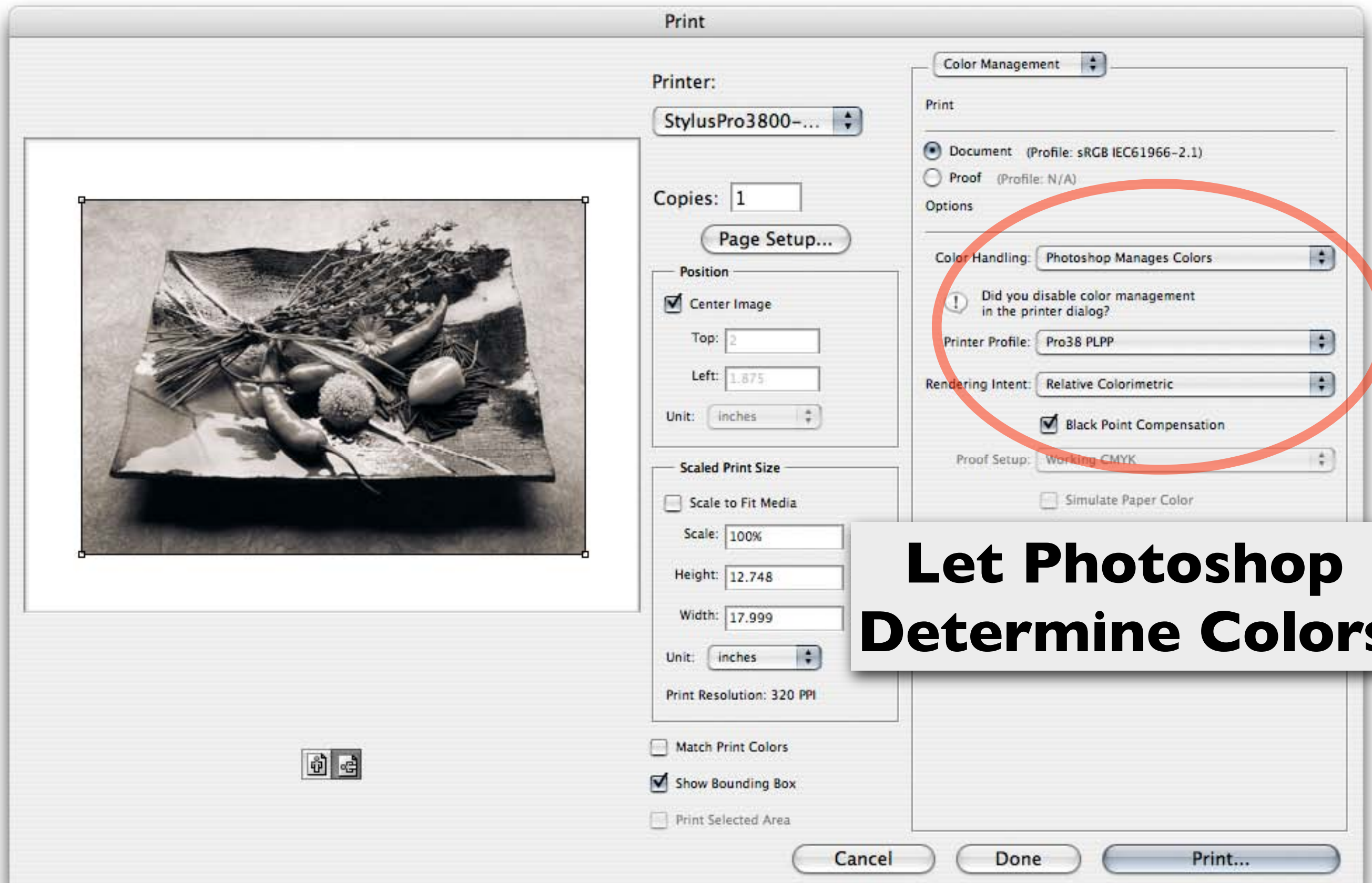


You'll Need to Properly Use  
Photoshop CS3's

**Print Dialog**



# The Perfect B&W Print

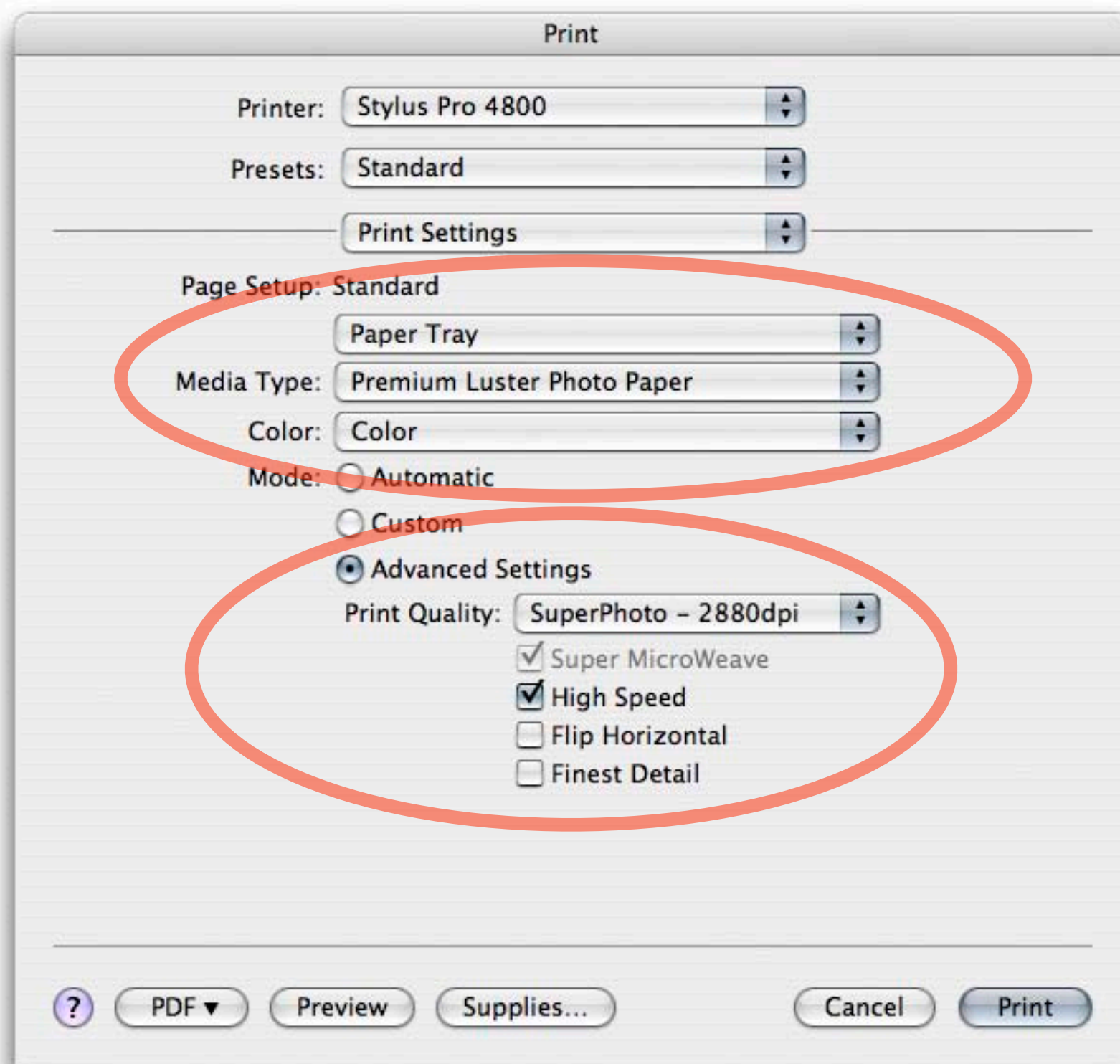


# The Perfect B&V Print

**And Then The Print Driver...**  
**In This Case, Epson...**

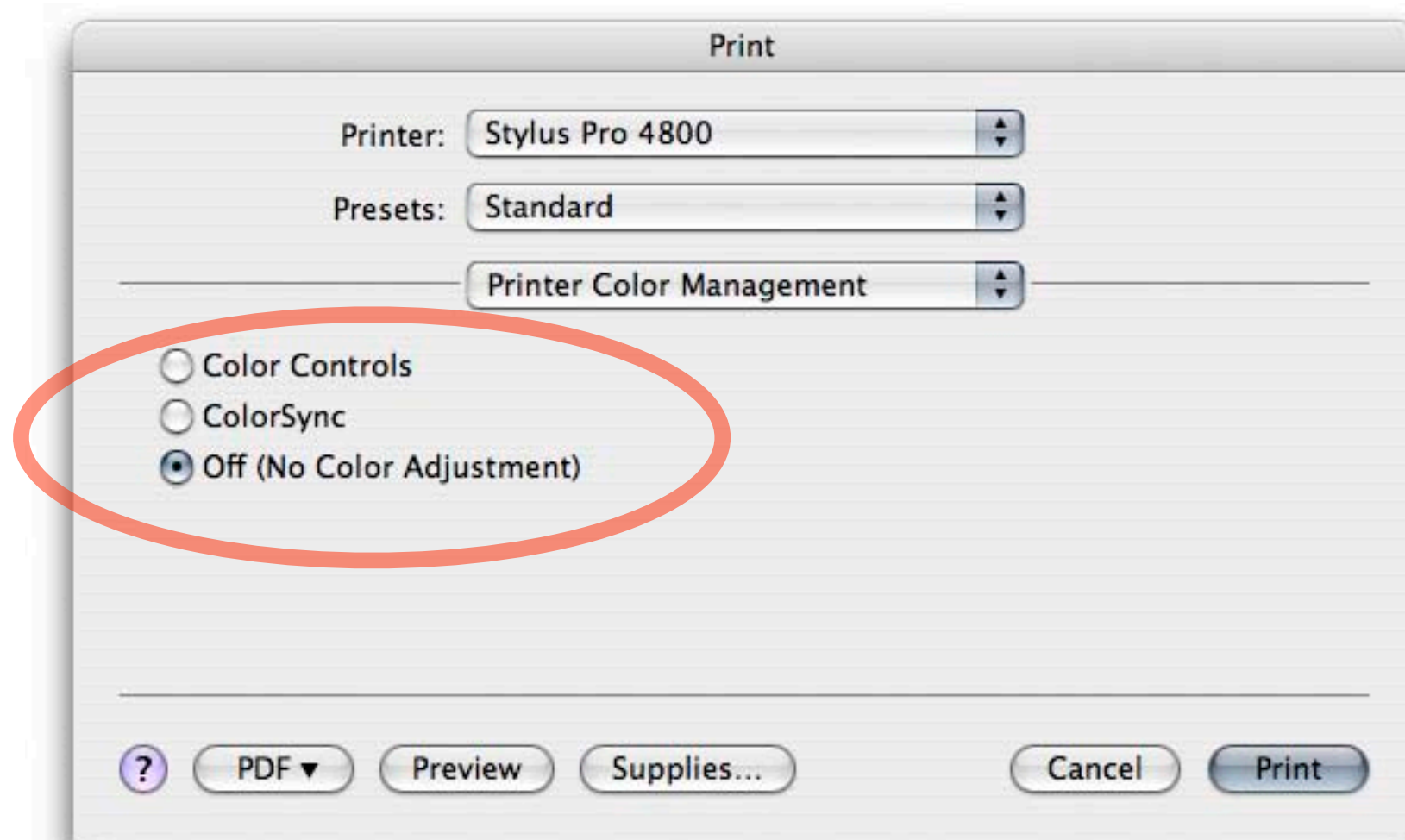


# The Perfect B&W Print



The “Print Settings”

# The Perfect B&W Print



The “Printer Color Management” - **OFF**

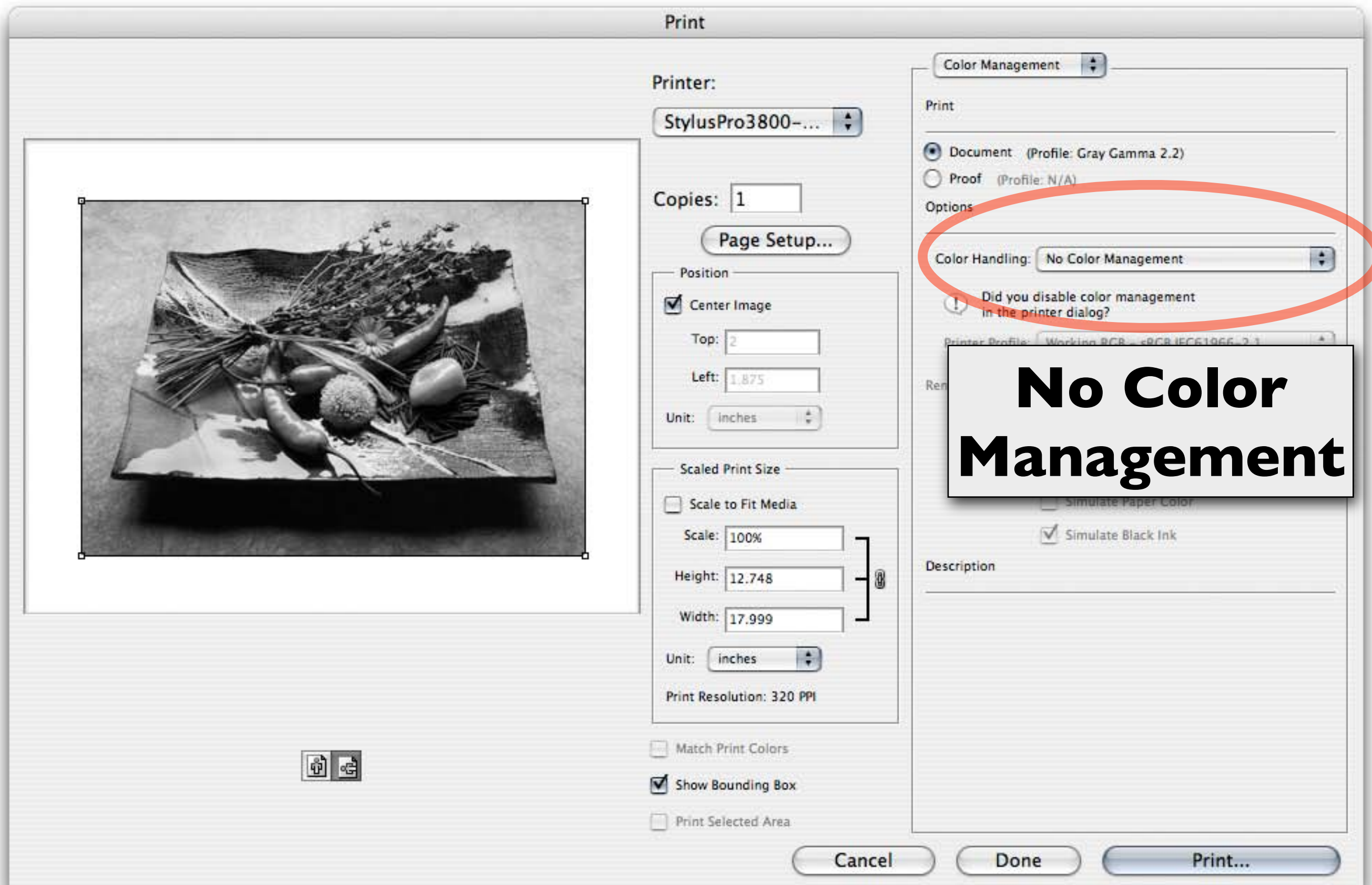


**What About  
Epson's  
UltraChrome K3  
Printers?**

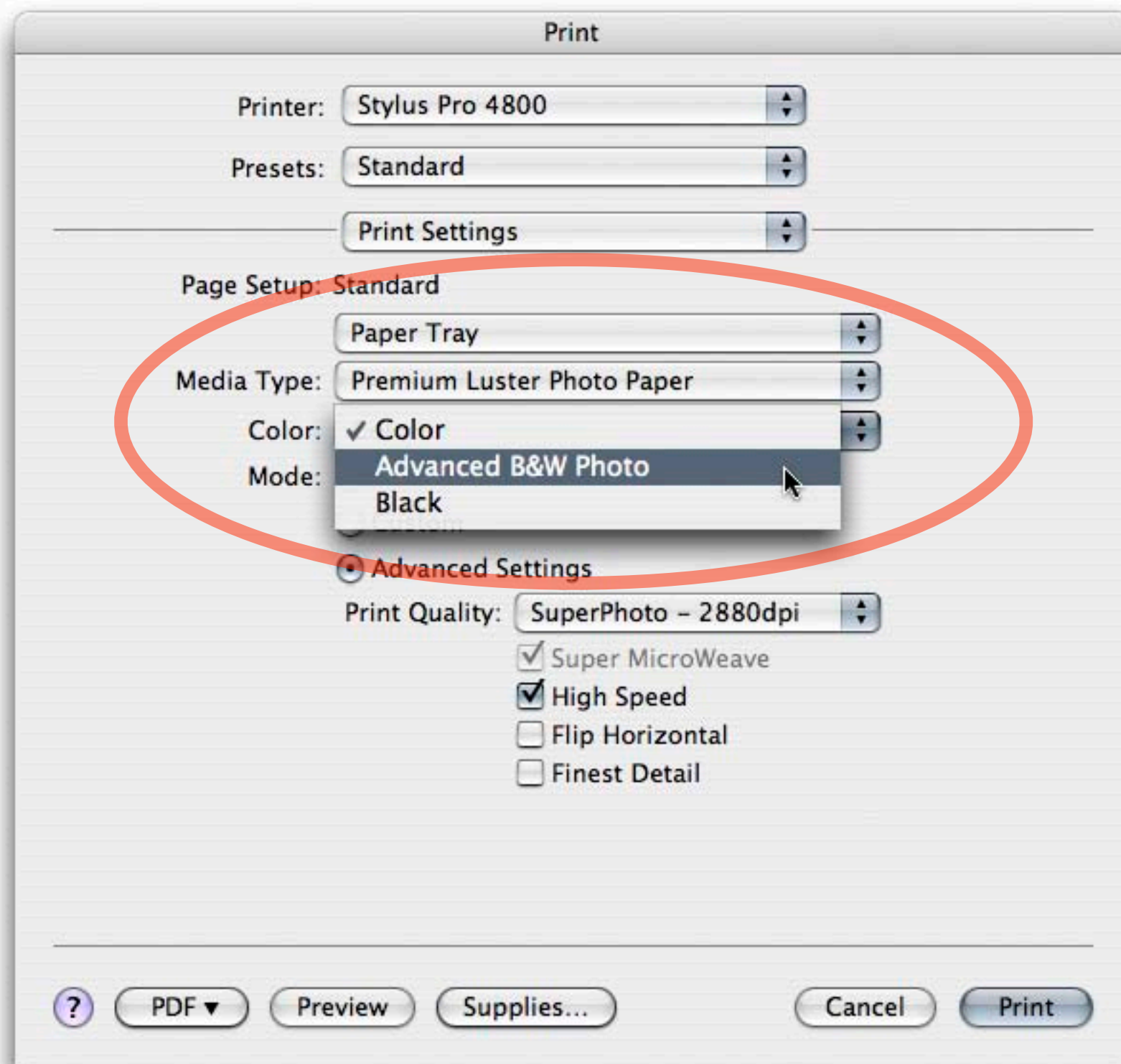
# **No Color Management From Photoshop...**



# The Perfect B&W Print



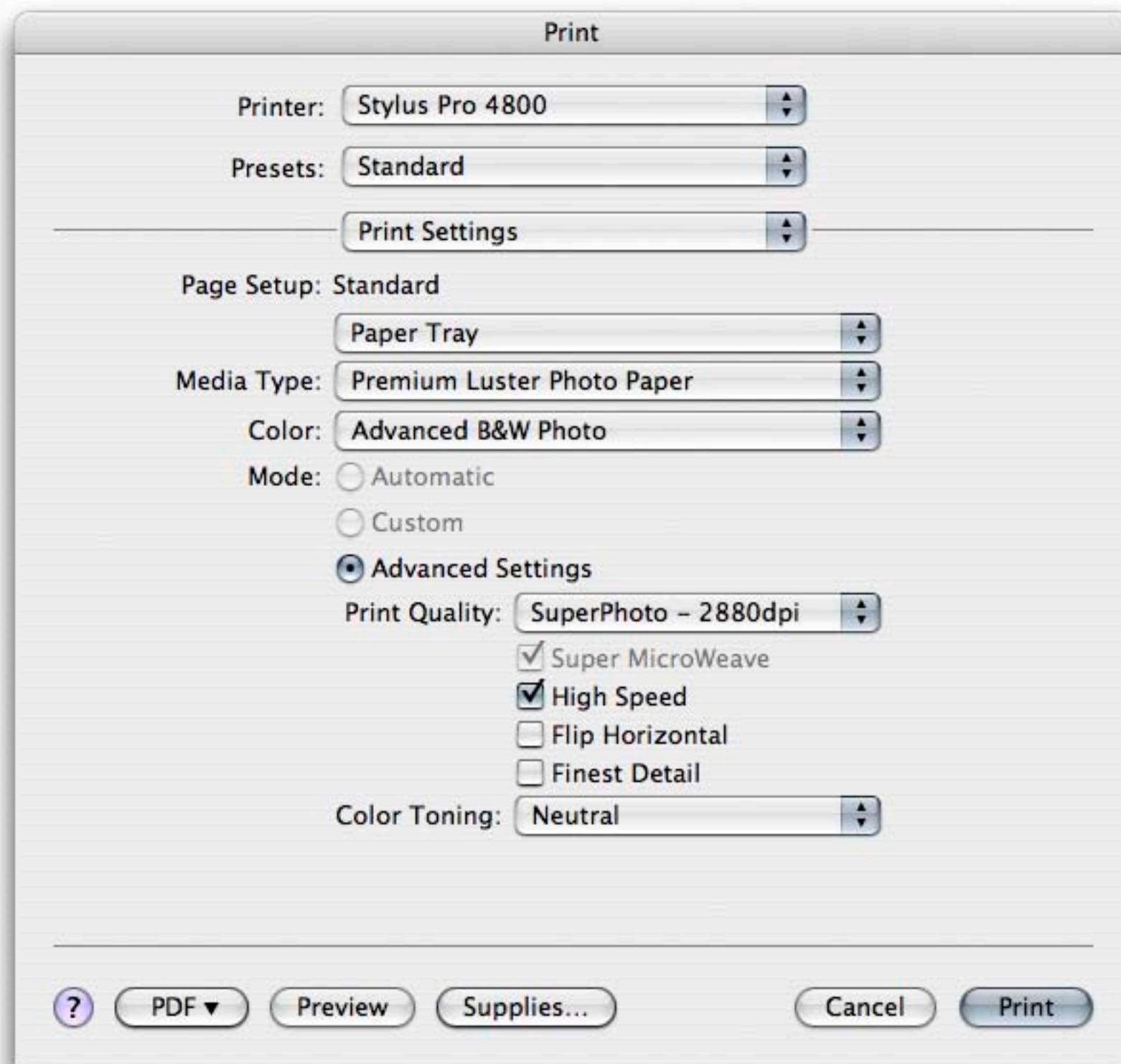
# The Perfect B&W Print



The “Advanced B&W Photo” Mode

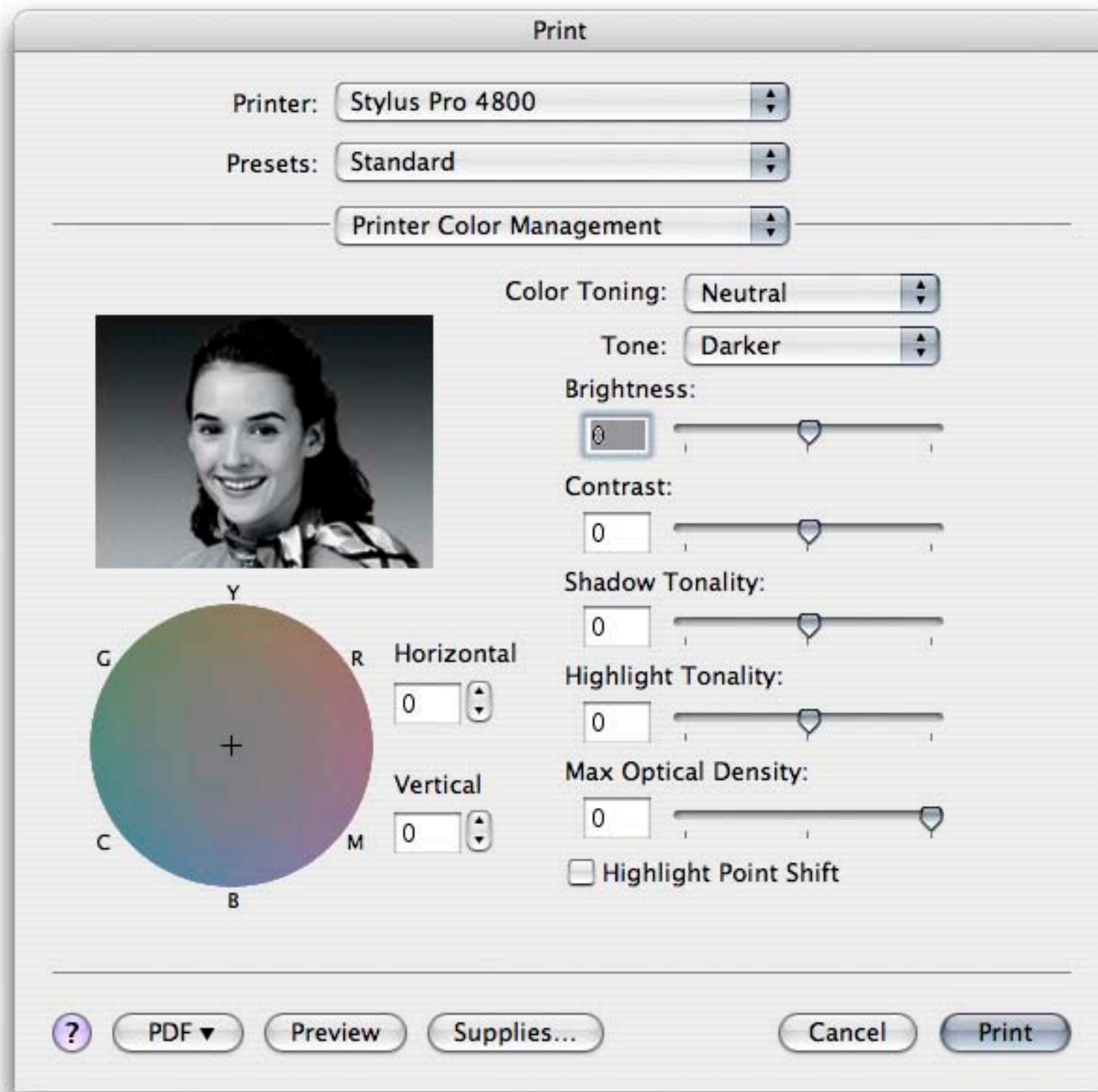


# The Perfect B&W Print



The “Advanced B&W Photo” Mode

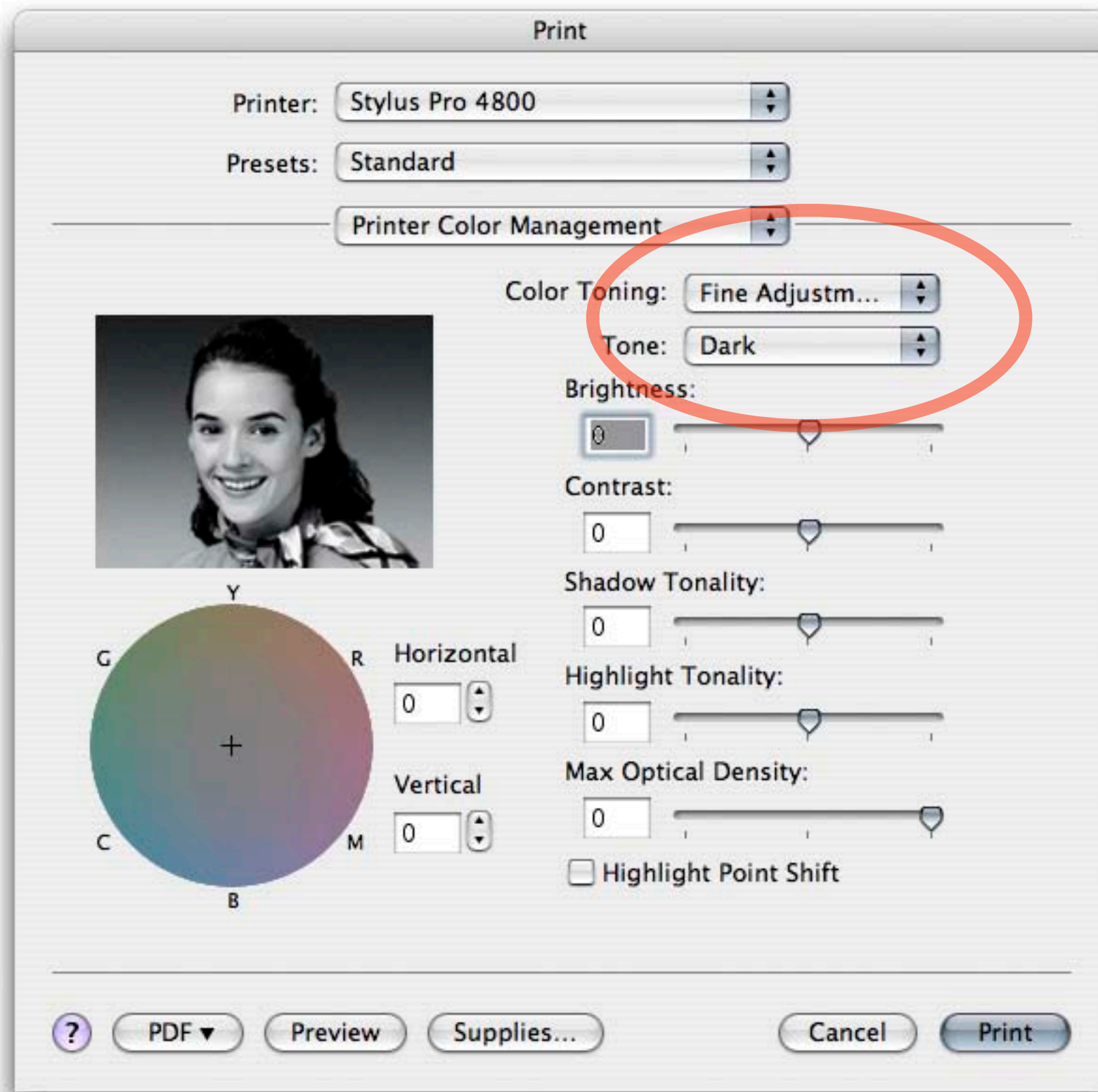
# The Perfect B&W Print



Printer Color Management Settings for Advanced B&W

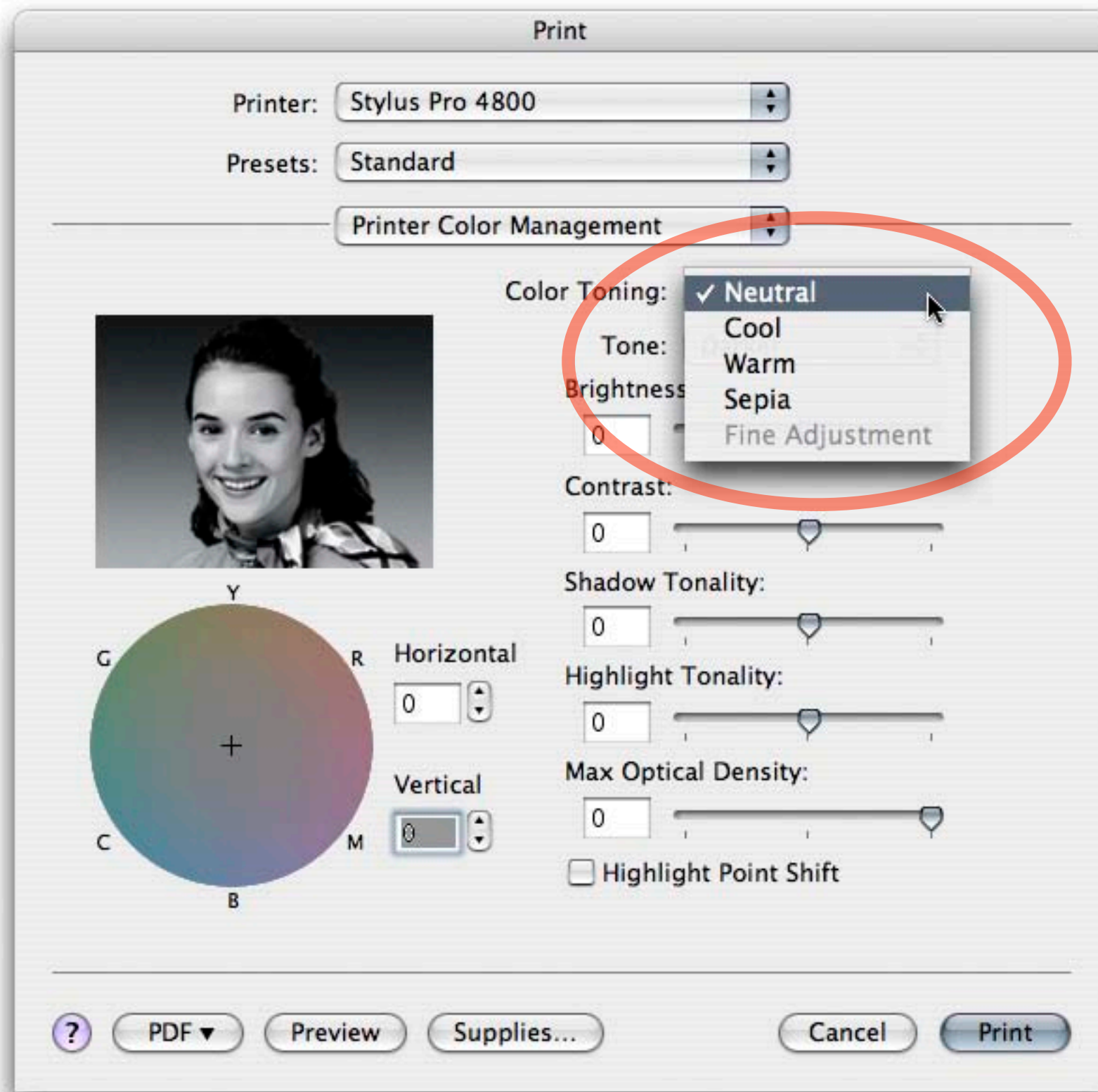


# The Perfect B&W Print



Adjusting the Base Tone Settings - Dark

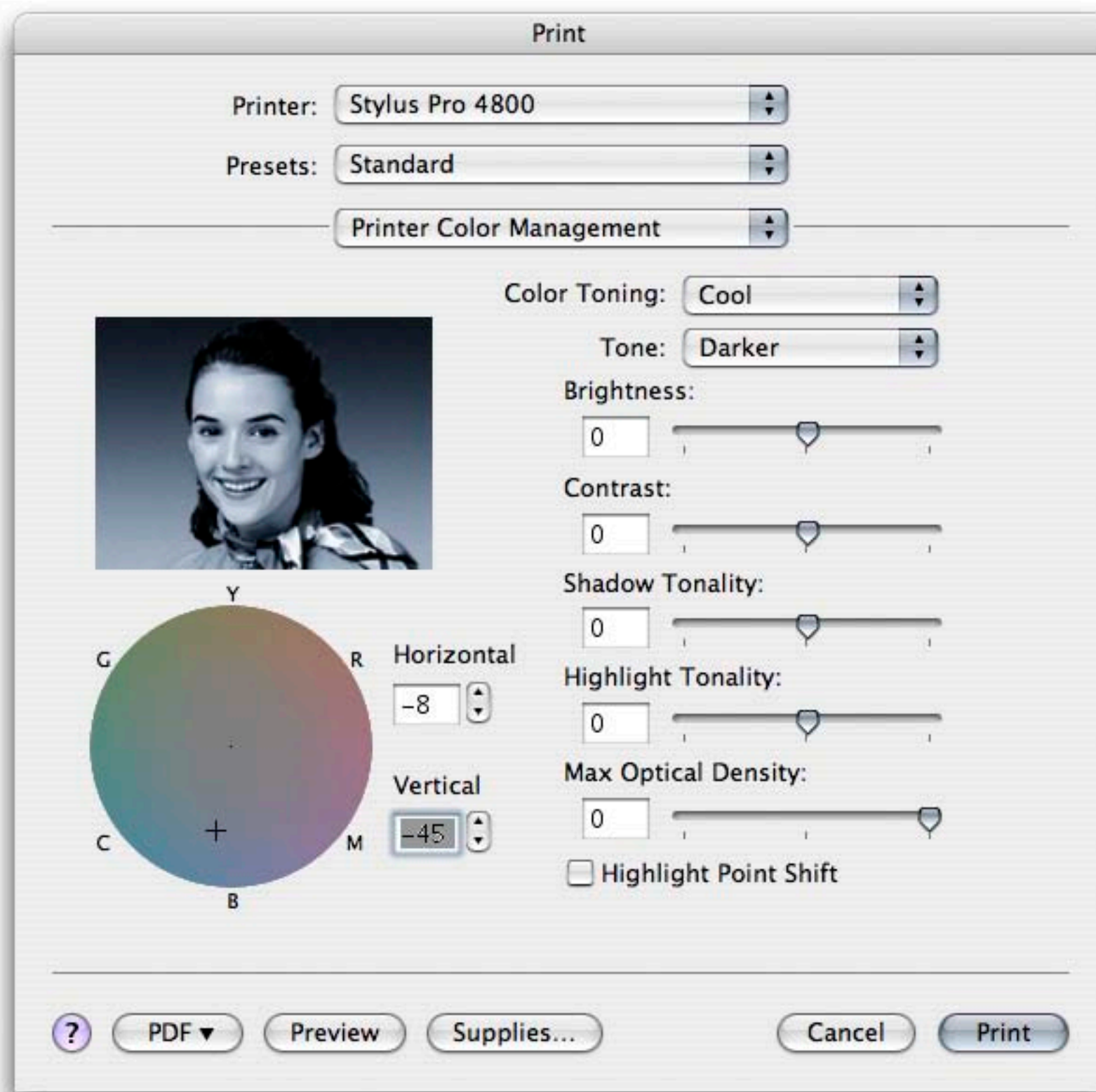
# The Perfect B&W Print



Adjusting the Color Tone

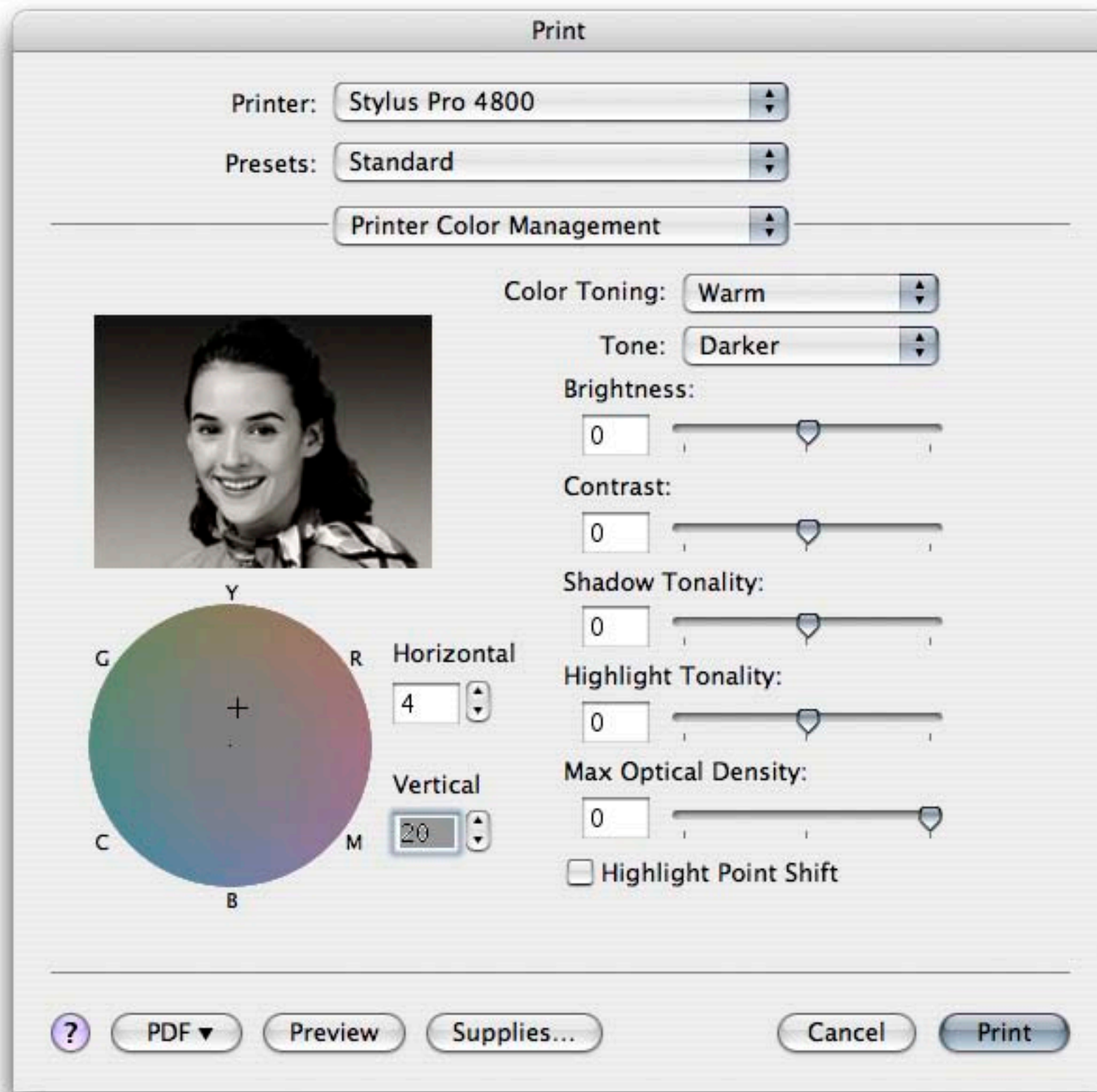


# The Perfect B&W Print



Adjusting the Color Tone - Cool

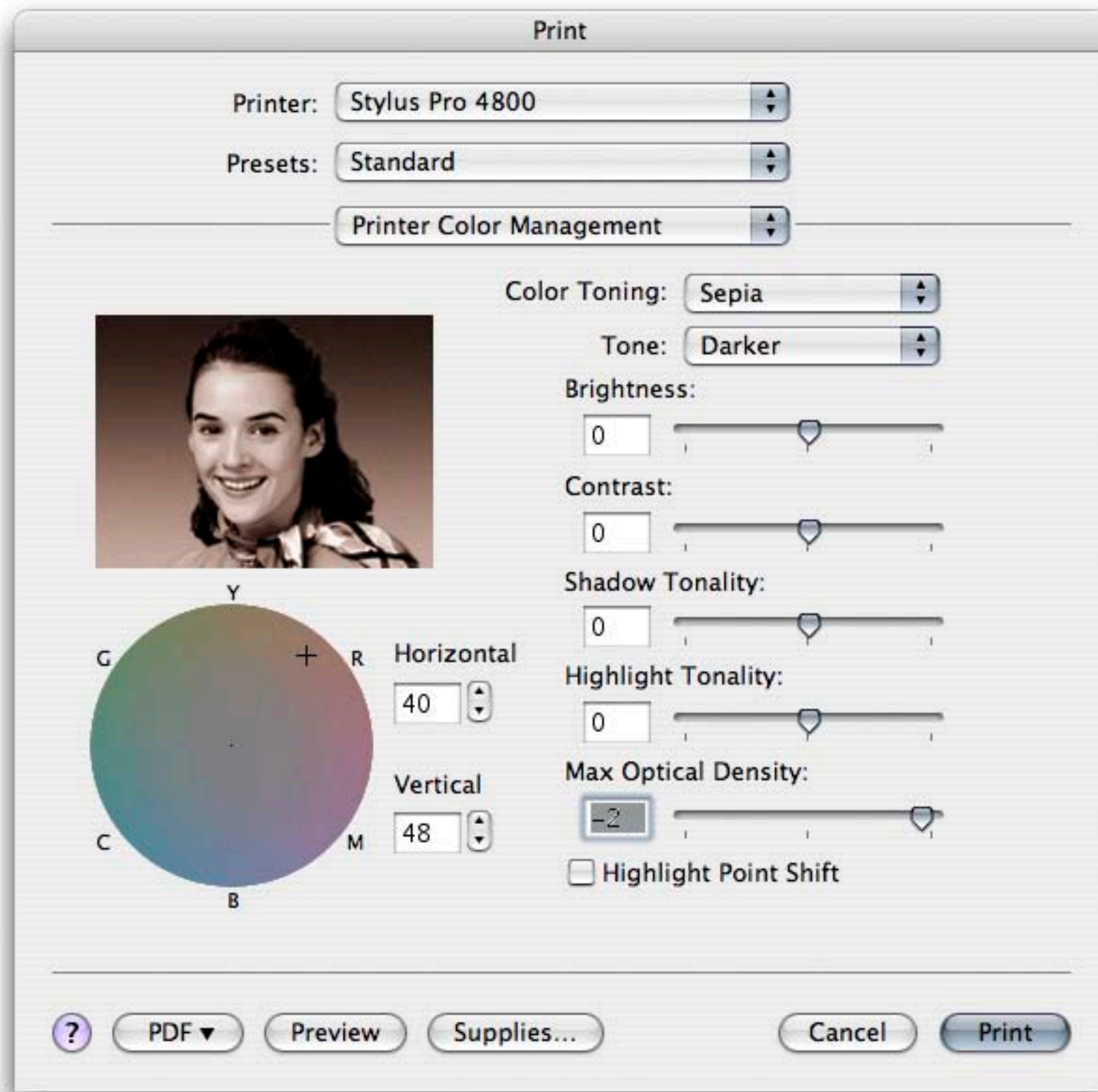
# The Perfect B&W Print



Adjusting the Color Tone - Warm

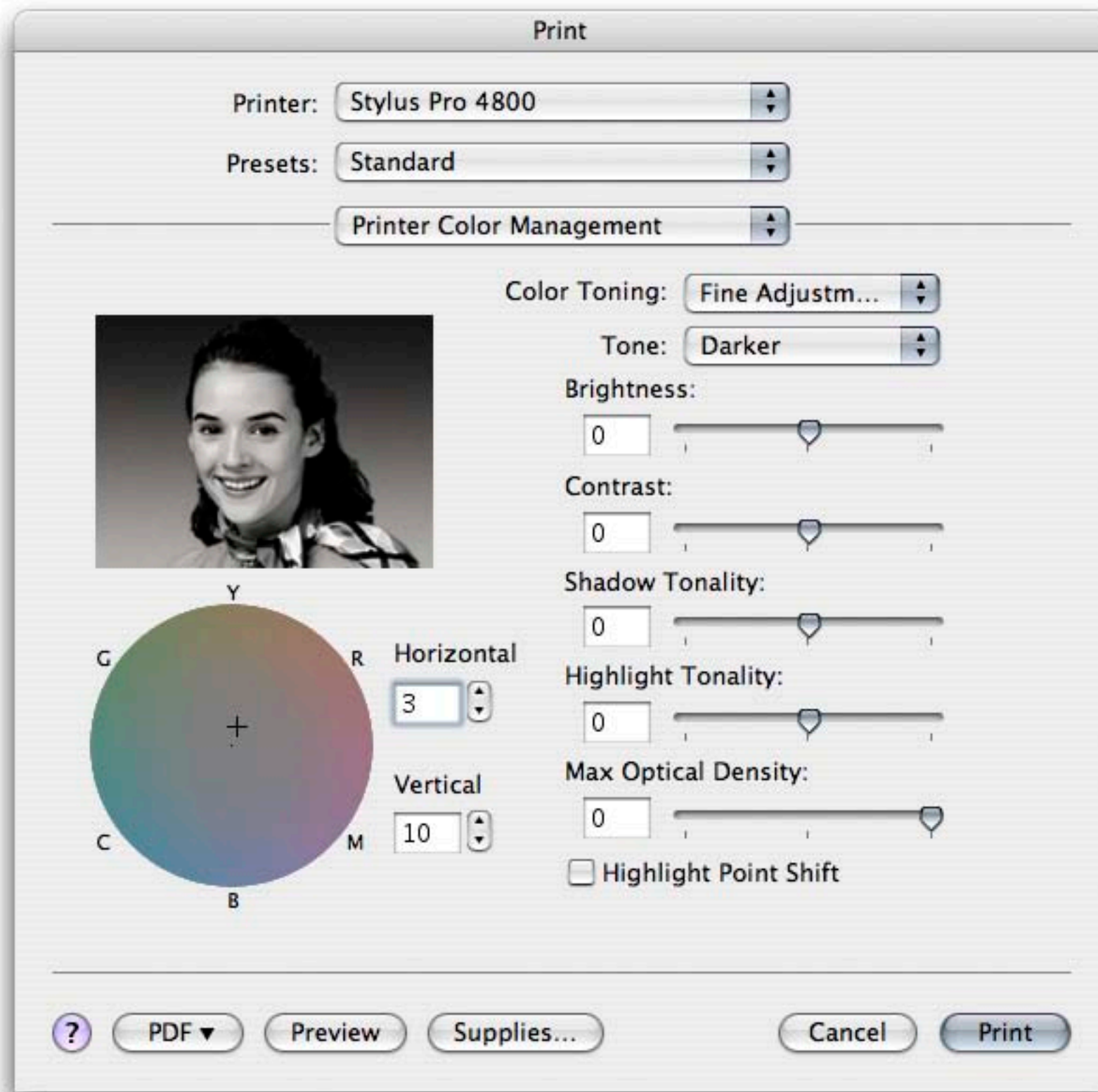


# The Perfect B&W Print



Adjusting the Color Tone - “Sepia”

# The Perfect B&W Print

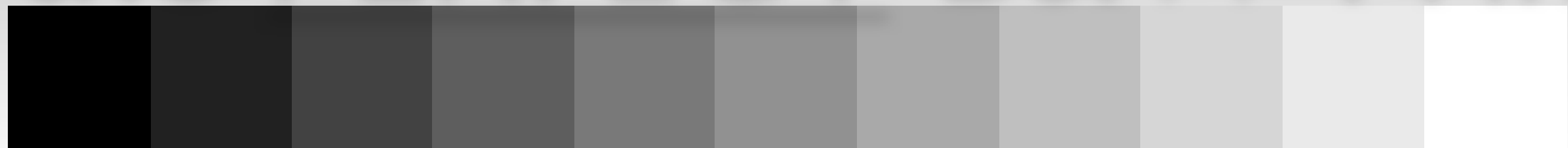


Adjusting the Color Tone - Custom Warm



In Search of...

the PERFECT B&W Print



**By Jeff Schewe**

Additional Notes:

**[schewephoto.com/workshop](http://schewephoto.com/workshop)**