



### Lightroom Bitesize: Simple monitor calibration

In order to see the entire tonal range within any photograph on a computer monitor it is important that the monitor is correctly calibrated.

There are various monitor calibration devices that can be purchased, starting from about £80, including the Colourvision Spyder, Pantone Huey and X-Rite ColorMunki.

However, if you want to save your money here is a simple, but effective, method using a greyscale:

- 1) This tutorial needs to be opened on-screen at full size.
- 2) Use the same lighting in the room that is usual when you use your computer.
- 3) Turn the **contrast** up on your monitor to 100%
- 4) Study the greyscale picture below:



5) Adjust the **brightness** on your monitor until you can see all 26 squares. If your monitor is too bright, the left hand squares will all merge into one white rectangle. If your monitor is too dark, the right hand squares will all merge into one black rectangle.

6) Now double-check with the coloured version on the next page:



Hopefully you will now be able to see detail in any photograph that was not possible before.

*Note: This simple calibration should improve the tonal range that you can see on your monitor. However if you have a significant colour-cast you really need to create a digital profile to remove it using one of the calibration devices listed above. If in doubt, try viewing the same page side-by-side with another monitor or laptop to see if there is a noticeable colour-cast to one of them.*

If you found this tutorial useful please let me know by leaving a comment on my Facebook page (or just 'Like' it) at <https://www.facebook.com/johnhallettphotographs/> . Thanks