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(1.8)	24	25	28	31	36	41	45	51	59	65	74	85	97	110	123	140	158	183	213	241	
(2.2)	37	38	42	45	51	57	62	68	77	83	93	104	116	127	140	156	172	194	220	243	
(L)	12	13	15	17	20	23	25	28	32	35	39	44	49	54	59	65	71	79	88	96	100
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Kodak Q-14 Grey Scale targets are one of the most useful tools in digital imaging. Unlike more modern calibration targets, these targets predate digital imaging, and therefore are understood worldwide. The tonal gradation is based on human visual response, and the middle grey (18%) patch is basis of almost every exposure metering system.

To assist you in the process of evaluating digital capture display and output we have provided a digital equivalent of the Kodak Q-14 Grey Scale in both 1.8 and 2.2 Gamma versions. The measured LAB values are also provided. You will notice that the 1.8 Gamma and 2.2 Gamma middle grey values are quite different. Make sure that you use the right version of the file for your particular working space environment. For example: Adobe RGB and sRGB are both 2.2 Gamma, AppleRGB, ColorMatchRGB and Pro PhotoRGB are all 1.8 Gamma. Most CMYK working spaces are based upon 1.8Gamma as well as this is the natural response of the human eye when viewing reflective artwork.

These files can be placed into image files and used to verify input or output quality. For example: if you photograph an actual Kodak Q-14 Grey Scale and open the document in Adobe Photoshop, you can visually compare the values and the screen presentation of the image. If your camera is working properly, you could literally cut and paste the captured image right into the target values and it will match up perfectly. Of course unfortunately most users will not be so lucky! If the values match, but the image looks visually wrong, then you have a display calibration problem. If the values do not match, you have a capture problem. If the numbers match and the image looks correct but your prints do not match, then your problem is related to output.

While this file will not solve your problems, it will at least allow you to better evaluate where the problems are occurring.

We hope that you find these target files useful and appreciate your feedback!

Scott Geffert
President, Center for Digital Imaging Inc.