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FILE DETAILS:

This archive contains measured values from the October 2003 edition GretagMacbeth™ ColorChecker® charts. These charts uses the new formulation of Munsell pigments. Earlier charts differed slightly in color and more significantly in surface finish. The values are averaged measurements of multiple charts. The background color also uses measured values.

The image files are in several formats:

MacbethCC-Lab-L.tif: Color values in CIE LAB space. This can be converted to any color space of your choosing.

MacbethCC-Lab-v-L.tif: CIE LAB space with value labels added for each patch. Useful for calibrating Adobe Camera Raw.

MacbethCC-aRGB-L.tif: Values in Adobe RGB (1998) color space, with labels.

MacbethCC-ppRGB-L.tif: Values in ProPhoto RGB color space, with labels.

Image Format: Uncompressed RGB TIFF with embedded color profiles.

How we measured the charts: The values are averages from five new October 2003 edition GretagMacBeth ColorChecker charts. All charts were measured with a GretagMacbeth Spectrolino using no filtration. Each chart was measured three times, with each measurement averaging five values per color patch. Spectral data from 380nm to 730nm were obtained at 10nm intervals. The CIE LAB, Adobe RGB, and ProPhoto RGB values were calculated directly from the spectral values. The Spectroscan calibration was checked against a standard set of 12 BCRA reference tiles, with a calculated measurement error of less than 0.21 Delta-E 2000.

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