Meters: Klein Instruments K Series

White Point: BT.2020 SDR

Sources: Quantum Data QD804A

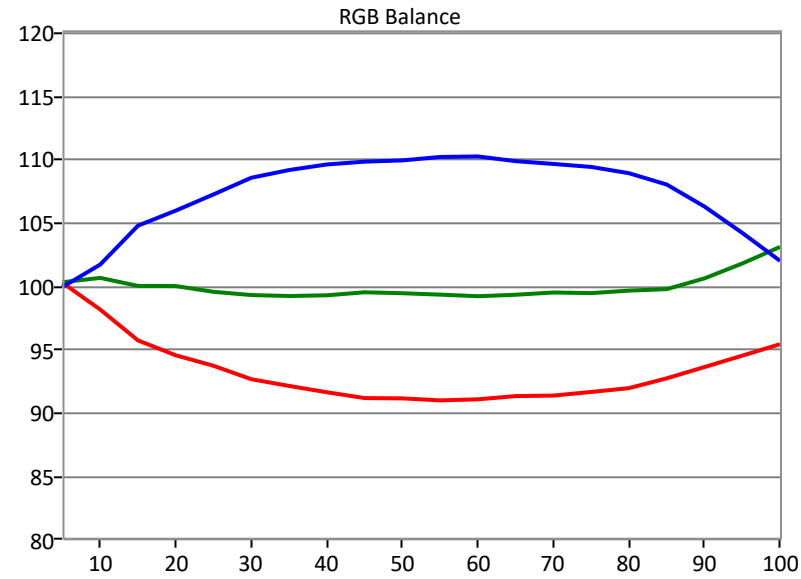
Window Size: Window L60

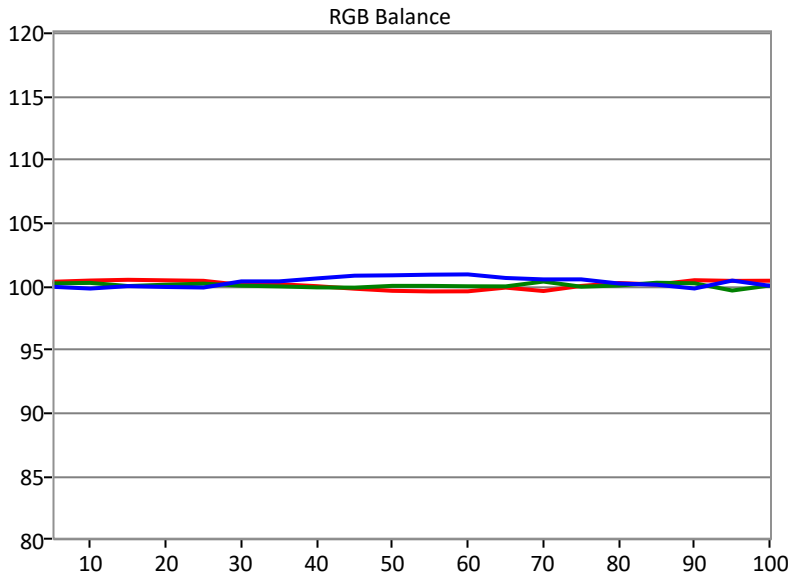
Gamma Formula: ITU_BT1886

Before calibration:

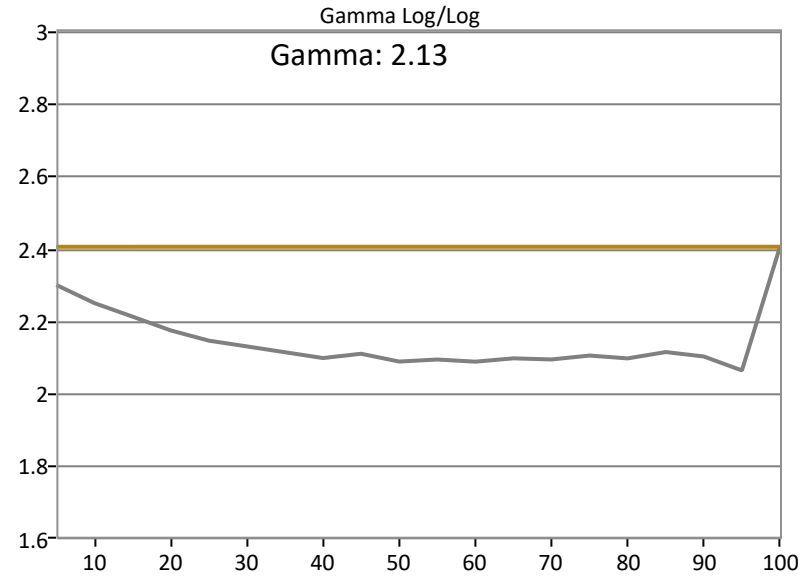
After calibration:

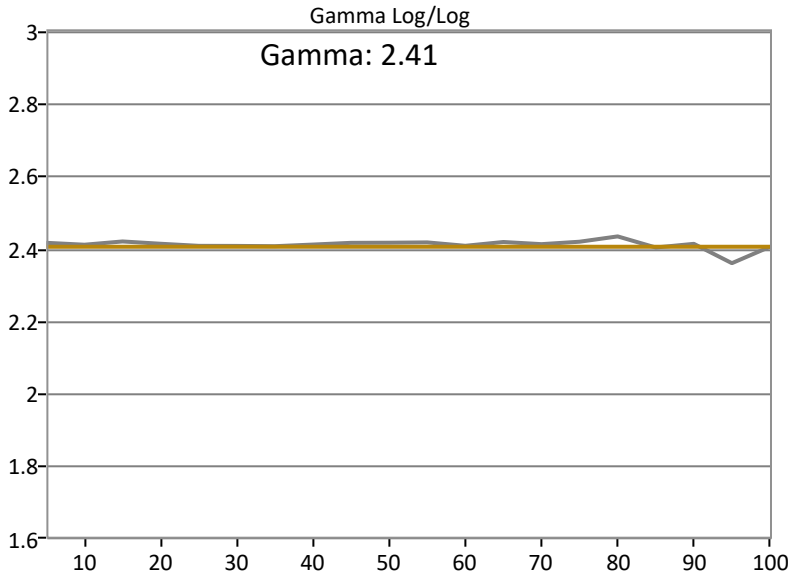
The RGB balance shows the ratio of red, green, and blue that make up the black and white foundation of the picture. It is also known as grayscale or white balance. If this foundation is skewed, no amount of tweaking the color and tint will fix the image. Ideally, the R, G, and B should be well balanced from dark (left) to bright (right).



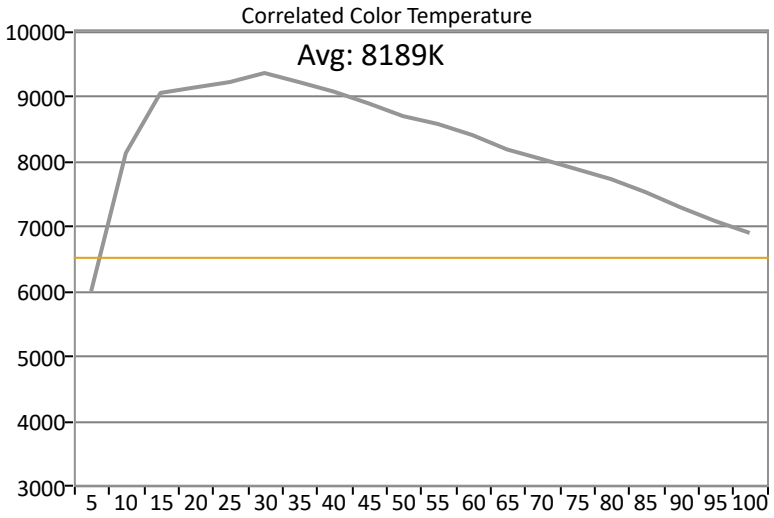


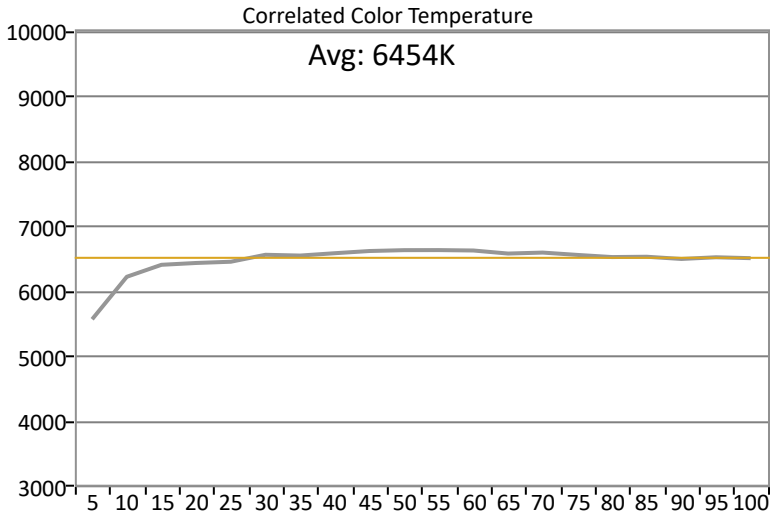
The point gamma graph shows the display's brightness ratio as it transitions from dark to bright images. If the gamma is lower than the yellow target line, the picture may look washed out with a "caked on makeup" look on brightly lit faces. If it is higher than the target line, dark images will be too hard to see and the image will look too contrasty. A good gamma also helps improve the depth of the image.



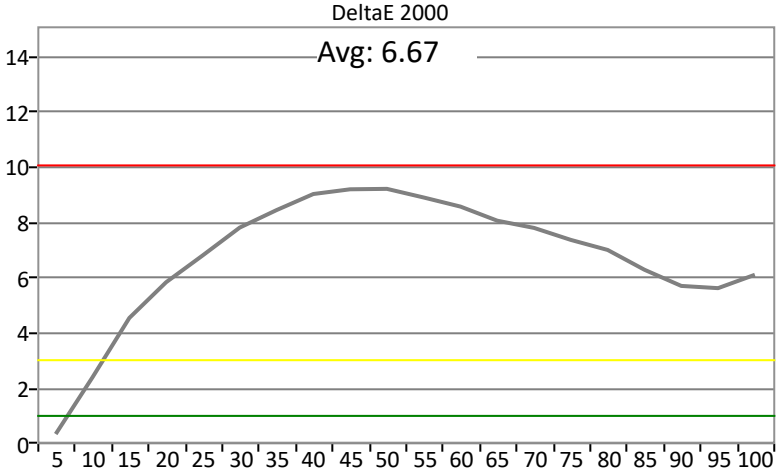


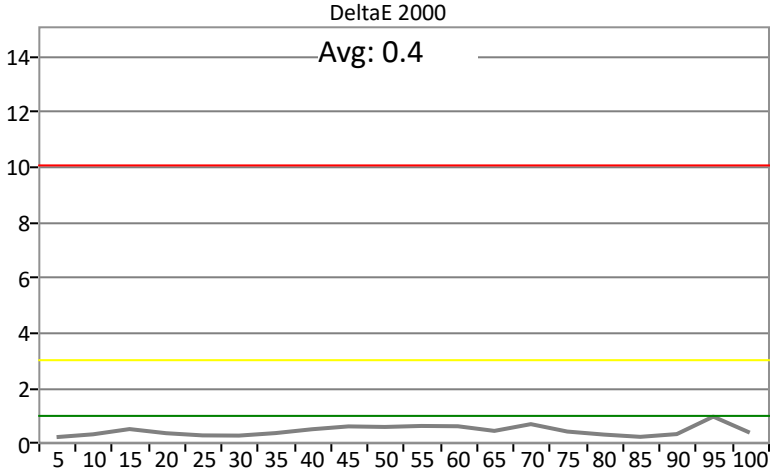
The color temperature is the overall tone of the picture, from dark (left) to bright (right). Lower numbers will result in a rustic, earthy tone while higher numbers will impart a bluish, steel-gray look. The HDTV standard is 6504 degrees Kelvin.



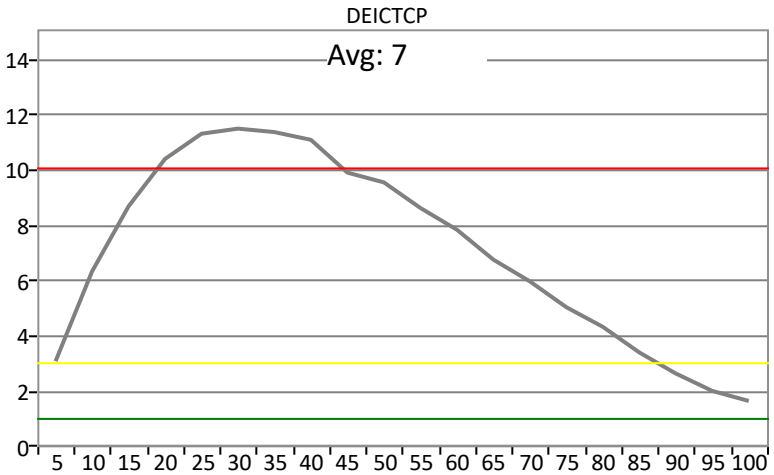


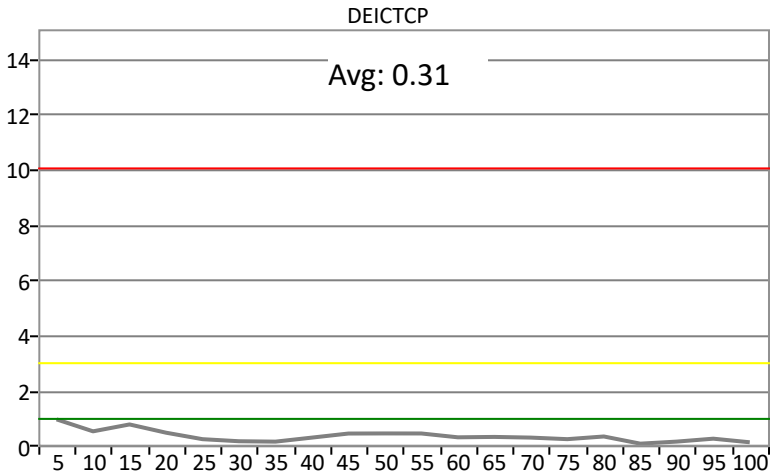
The grayscale DeltaE 2000 is a standardized measure of error based on the eye's sensitivity to white balance and gamma errors. It shows how visibly serious the errors are with mixed content, where the eye's sensitivity to light tends to mask errors in the darker areas of the picture. Errors of less than 2 are generally thought to be imperceptible with program content.





The DeltaE ICtCp is a new measure of error that was created specifically for HDR, though it is also useful for analyzing normal HDTV errors.

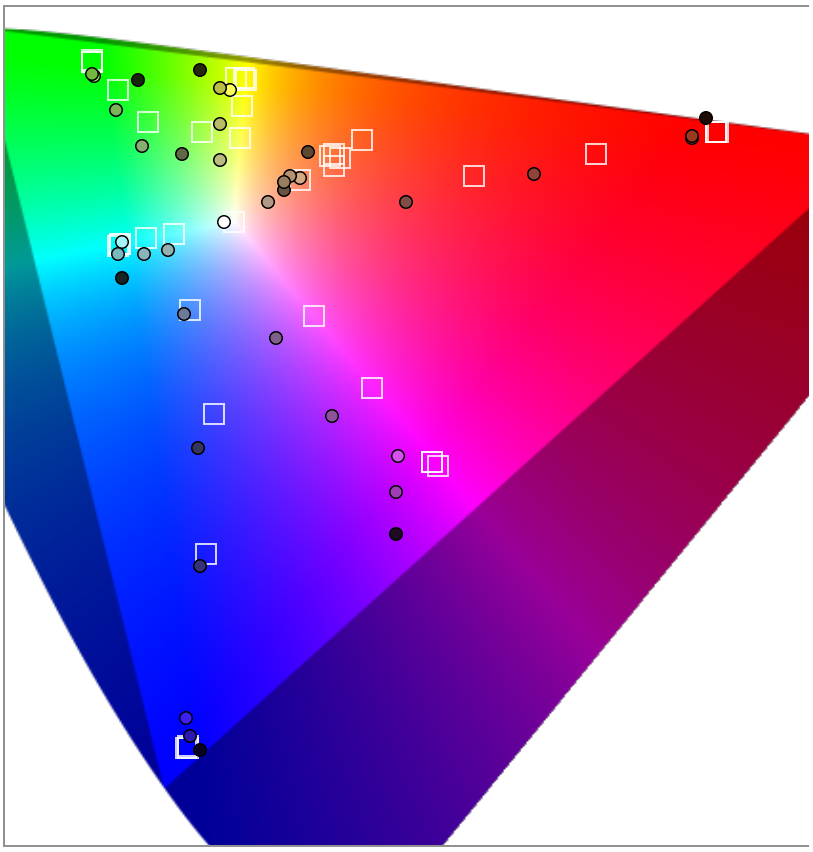


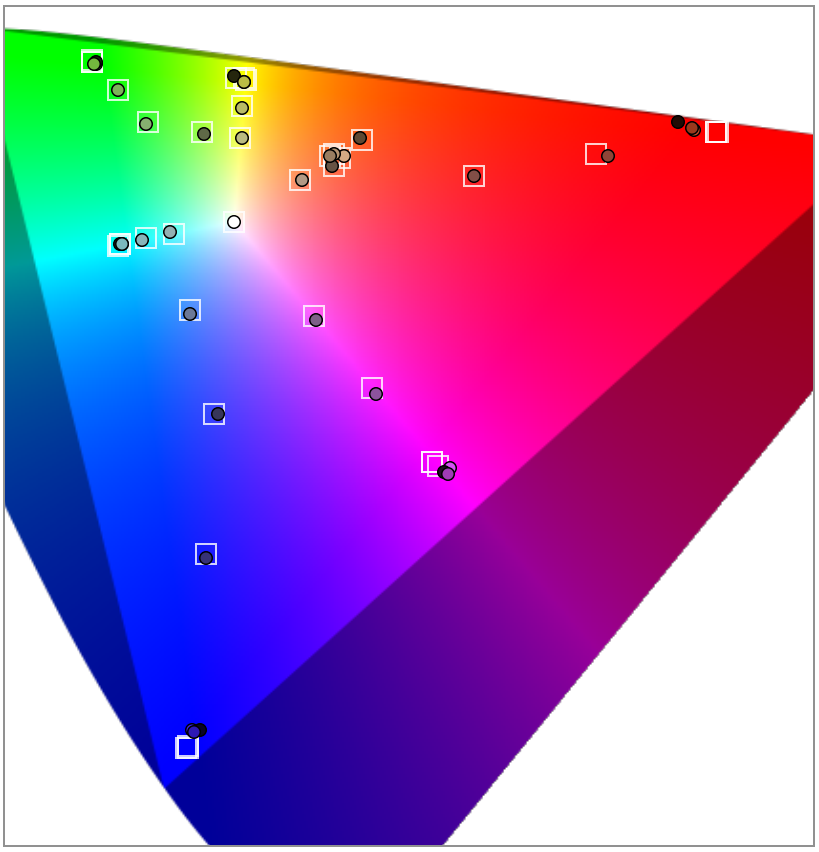


Max fL: 15

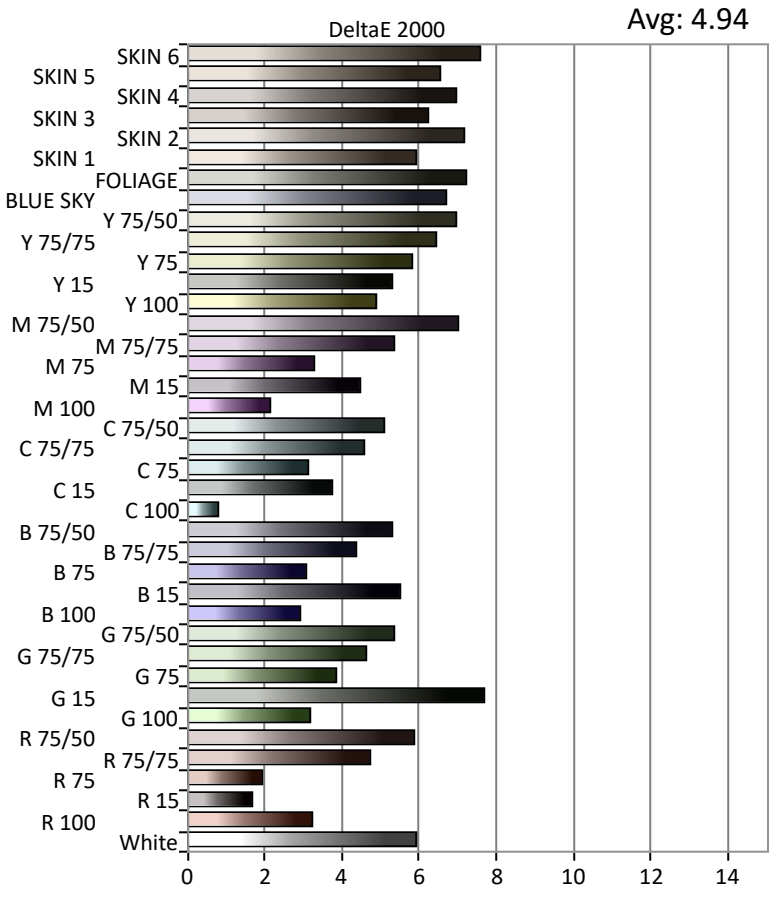
Max fL: 30.5

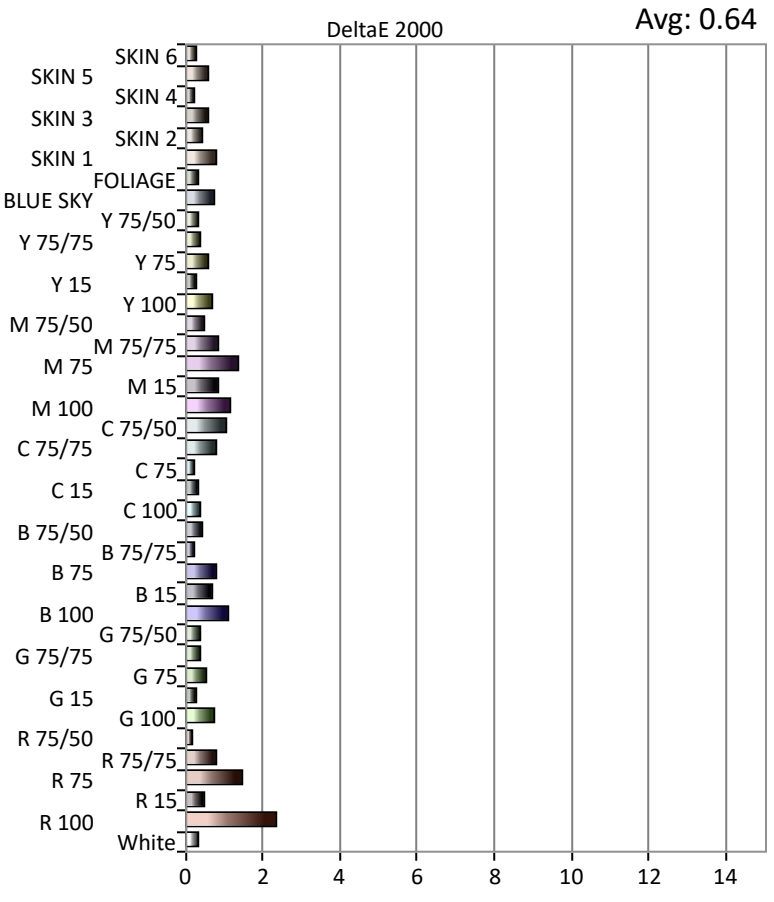
The Color Gamut chart includes shades of color from pale to fully saturated and spectral simulations of light and dark skin to get a quick but comprehensive idea of how accurately the display reproduces colors. Tight matching of the measurement dots with their respective target boxes indicate accurate color reproduction.

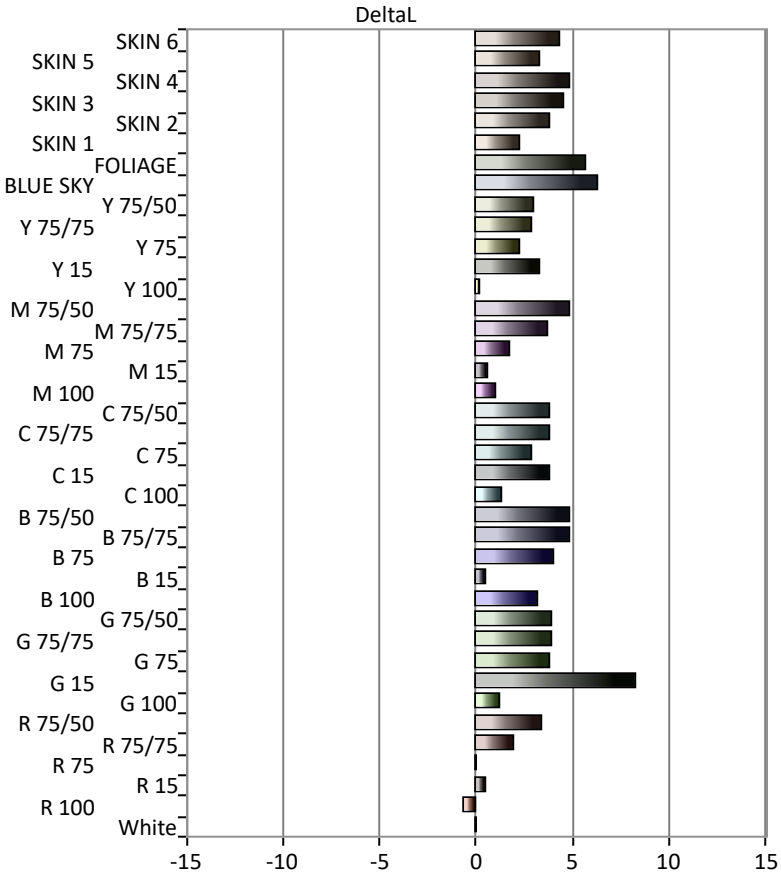




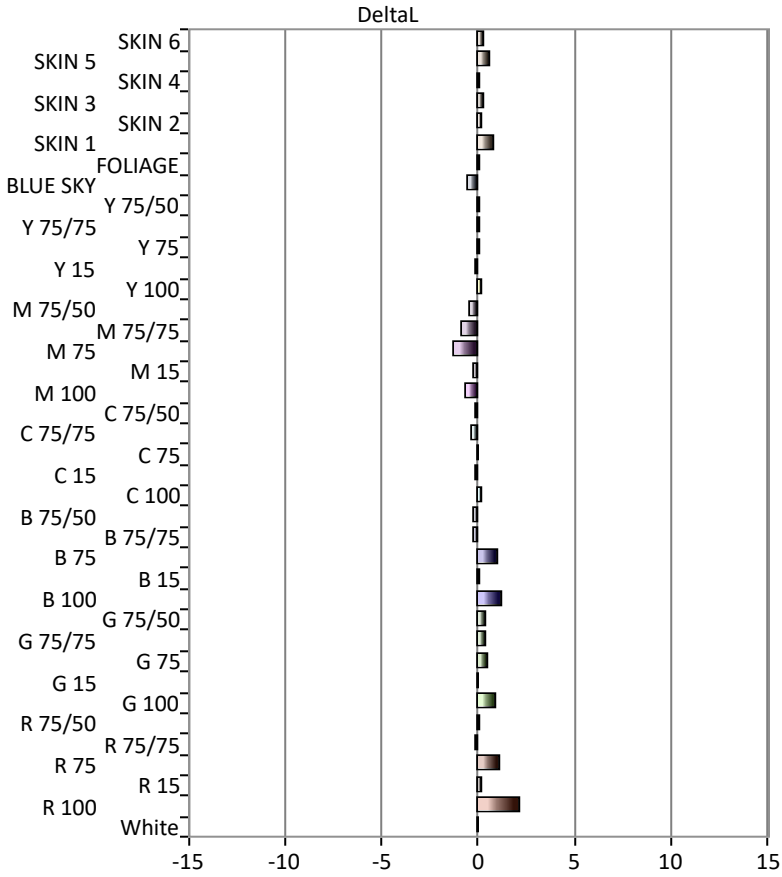
The Color Gamut DeltaE shows how visible the overall error is for each color, with errors of less than 3 generally thought to be imperceptible.







Percent709 uv: 0



Percent709 uv: 0

Before calibration data:

	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
x: CIE31	0.3216	0.2881	0.2809	0.2800	0.2801	0.2792	0.2804	0.2816	0.2829	0.2849	0.2862	0.2880	0.2903	0.2919	0.2937	0.2955	0.2980	0.3007	0.3034	0.3058
y: CIE31	0.3461	0.3225	0.3084	0.3080	0.3055	0.3039	0.3048	0.3062	0.3084	0.3096	0.3102	0.3112	0.3132	0.3148	0.3159	0.3176	0.3195	0.3231	0.3270	0.3309
Y	0.0156	0.0861	0.2296	0.4604	0.7769	1.1699	1.6508	2.2202	2.8141	3.5653	4.2594	5.1314	6.0457	7.0748	8.1536	9.3608	10.6038	11.9856	13.4589	14.9653

	White	R 100	R 15	R 75	R 75/75	R 75/50	G 100	G 15	G 75	G 75/75	G 75/50	B 100	B 15	B 75	B 75/75	B 75/50	C 100	C 15	C 75	C 75/75	C 75/50	M 100	M 15	M 75	M 75/75	M 75/50	Y 100	Y 15	Y 75	Y 75/75	Y 75/50	BLUE SKY	FOLIAGE	SKIN 1	SKIN 2	SKIN 3	SKIN 4	SKIN 5	SKIN 6
x: CIE31	0.3058	0.6359	0.6610	0.6384	0.5268	0.4352	0.2846	0.3258	0.2844	0.2841	0.2839	0.1493	0.1505	0.1485	0.1806	0.2069	0.2213	0.2091	0.2147	0.2346	0.2526	0.3066	0.2798	0.2924	0.2877	0.2863	0.4002	0.3917	0.3948	0.3645	0.3403	0.2387	0.3127	0.3851	0.3480	0.4085	0.3663	0.3803	0.3719
y: CIE31	0.3307	0.3240	0.3390	0.3263	0.3183	0.3158	0.5821	0.5531	0.5908	0.5088	0.4419	0.0643	0.0553	0.0592	0.1163	0.1702	0.3302	0.2957	0.3184	0.3147	0.3141	0.1535	0.1205	0.1373	0.1777	0.2284	0.4983	0.5444	0.5054	0.4478	0.4013	0.2564	0.4184	0.3603	0.3411	0.3876	0.3518	0.3650	0.3609
Y	14.9822	2.8402	0.0403	1.4668	1.6089	1.6865	10.8771	0.2888	6.0250	5.9973	5.9041	1.2090	0.0187	0.6694	0.6486	0.6296	12.0236	0.1936	6.4406	6.6043	6.4808	4.1827	0.0524	2.1737	2.3206	2.4434	13.9400	0.2144	7.4591	7.4592	7.5795	3.2737	2.1994	7.0563	5.5975	1.1506	1.5763	5.2232	3.7399

After calibration data:

	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
x: CIE31	0.3314	0.3180	0.3150	0.3144	0.3140	0.3123	0.3125	0.3119	0.3114	0.3111	0.3111	0.3112	0.3120	0.3116	0.3123	0.3128	0.3127	0.3133	0.3130	0.3131
y: CIE31	0.3451	0.3338	0.3288	0.3296	0.3299	0.3281	0.3280	0.3275	0.3272	0.3276	0.3276	0.3276	0.3281	0.3289	0.3282	0.3288	0.3292	0.3294	0.3281	0.3290
Y	0.0225	0.1214	0.3164	0.6404	1.1047	1.7123	2.4819	3.4061	4.5049	5.8065	7.1579	8.8871	10.7380	12.8836	15.1977	17.7176	20.6478	23.6725	27.0559	30.5465

	White	R 100	R 15	R 75	R 75/75	R 75/50	G 100	G 15	G 75	G 75/75	G 75/50	B 100	B 15	B 75	B 75/75	B 75/50	C 100	C 15	C 75	C 75/75	C 75/50	M 100	M 15	M 75	M 75/75	M 75/50	Y 100	Y 15	Y 75	Y 75/75	Y 75/50	BLUE SKY	FOLIAGE	SKIN 1	SKIN 2	SKIN 3	SKIN 4	SKIN 5	SKIN 6
x: CIE31	0.3131	0.6452	0.6440	0.6450	0.5790	0.4940	0.2954	0.2971	0.2938	0.2986	0.3023	0.1504	0.1535	0.1505	0.1856	0.2269	0.2217	0.2197	0.2202	0.2380	0.2619	0.3253	0.3216	0.3222	0.3184	0.3168	0.4210	0.4171	0.4210	0.3958	0.3710	0.2430	0.3448	0.4292	0.3848	0.4561	0.4159	0.4264	0.4204
y: CIE31	0.3290	0.3312	0.3402	0.3321	0.3222	0.3287	0.6074	0.6125	0.6114	0.5424	0.4739	0.0610	0.0605	0.0601	0.1193	0.1874	0.3295	0.3294	0.3281	0.3293	0.3303	0.1453	0.1437	0.1427	0.1859	0.2366	0.5072	0.5187	0.5069	0.4660	0.4223	0.2566	0.4397	0.3740	0.3575	0.3925	0.3669	0.3801	0.3771
Y	30.5453	6.5396	0.0700	3.1981	2.9214	2.8644	21.9764	0.2315	10.8857	10.7602	10.5692	2.1909	0.0211	1.0837	0.8834	0.8604	23.7838	0.2482	11.8425	11.6297	11.5258	7.9664	0.0788	3.8144	3.7670	3.8369	28.4346	0.2950	14.1453	13.8513	14.0407	4.8919	3.3758	13.7058	9.9856	1.7874	2.4440	9.6394	6.4421

Date and time: 10/28/2018 1:55 PM

Company Name: HDTV by Chad B

Webiste URL: HDTVbyChadB.com

Calibrator Name: Chad B

Phone: 937-267-6073

Email: schedule@HDTVbyChadB.com

To restore the calibrated settings, start with the default settings of the calibrated mode. Then make the changes listed below in order as they appear in the menu.

Picture Mode: SDR2020

Basic settings: optional,mid,0

Advanced settings: BF2020NF (on, r 0,2,0,0 m 0,1,0,0 c 0,1,0,0 y 0,2,0,0 g 0,1,0,0 b 0,6,0,0)
Custom 2 (7500k, 0,-6,0,0,0,0)
Custom 2 (w -3,0,0 r 3,0,0 g 0,0,0 b 0,0,0)
MPC all 0
Blur reduction optional
0,0,0,0

Picture options: input level auto, screen adjust off

Notes: