



ChromaPure Detailed Calibration Report

Technician: Mehdi

Company: ChromaPure Video Calibration Team

Grayscale Performance

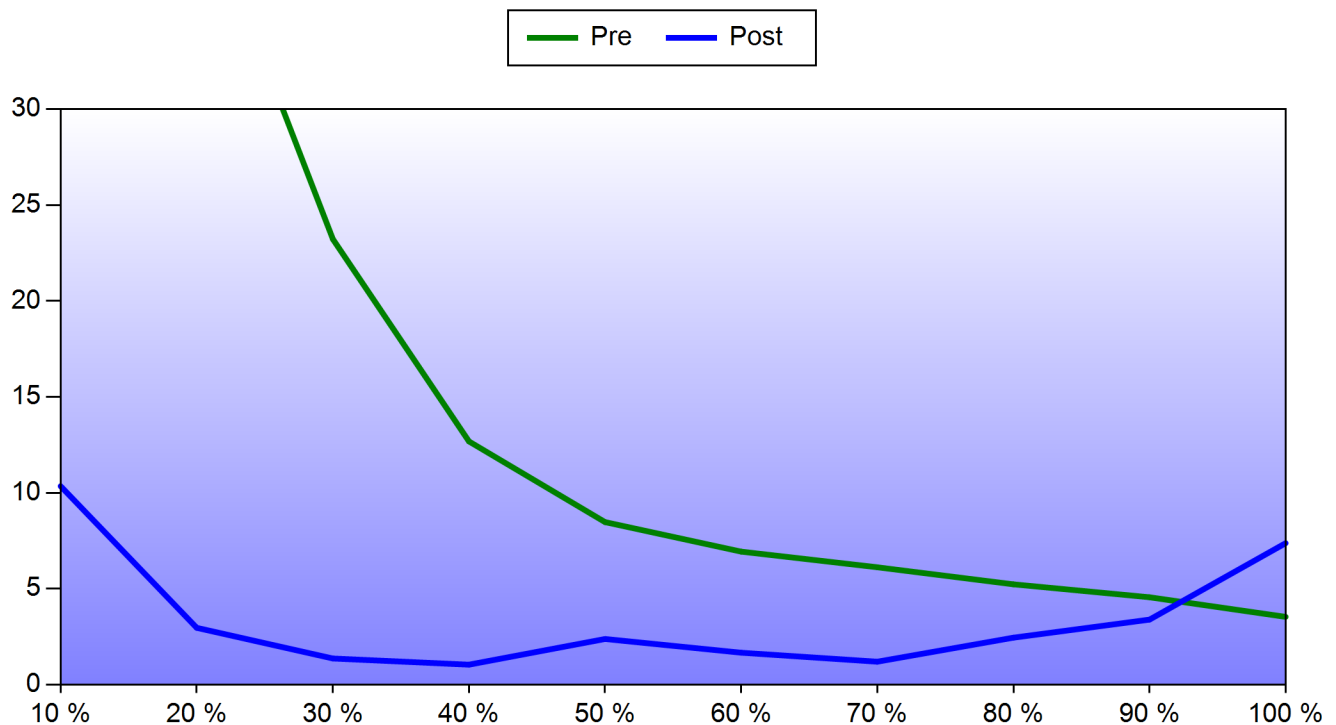
Grayscale Before

% Stimulus	x	y	CCT	dE
10 %	0.266	0.223	31,448	68.8
20 %	0.276	0.258	13,052	41.6
30 %	0.289	0.287	9,070	23.2
40 %	0.297	0.306	7,800	12.7
50 %	0.301	0.313	7,366	8.5
60 %	0.301	0.317	7,309	6.9
70 %	0.305	0.318	7,088	6.1
80 %	0.304	0.320	7,132	5.2
90 %	0.304	0.322	7,074	4.6
100 %	0.307	0.330	6,801	3.5
Average				18.1

Grayscale After

% Stimulus	x	y	CCT	dE
10 %	0.318	0.316	6,304	10.3
20 %	0.311	0.333	6,553	3.0
30 %	0.311	0.329	6,622	1.4
40 %	0.311	0.327	6,631	1.0
50 %	0.309	0.330	6,688	2.4
60 %	0.312	0.331	6,527	1.7
70 %	0.311	0.330	6,580	1.2
80 %	0.313	0.333	6,454	2.4
90 %	0.316	0.335	6,273	3.4
100 %	0.316	0.342	6,272	7.4
Average				3.4

Grayscale dE



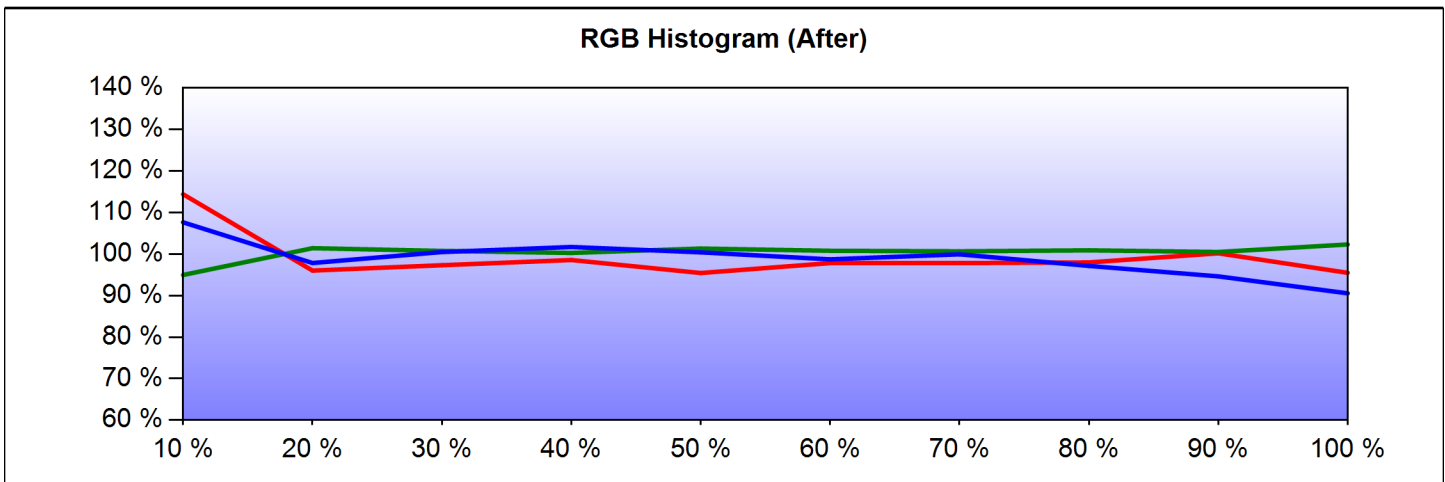
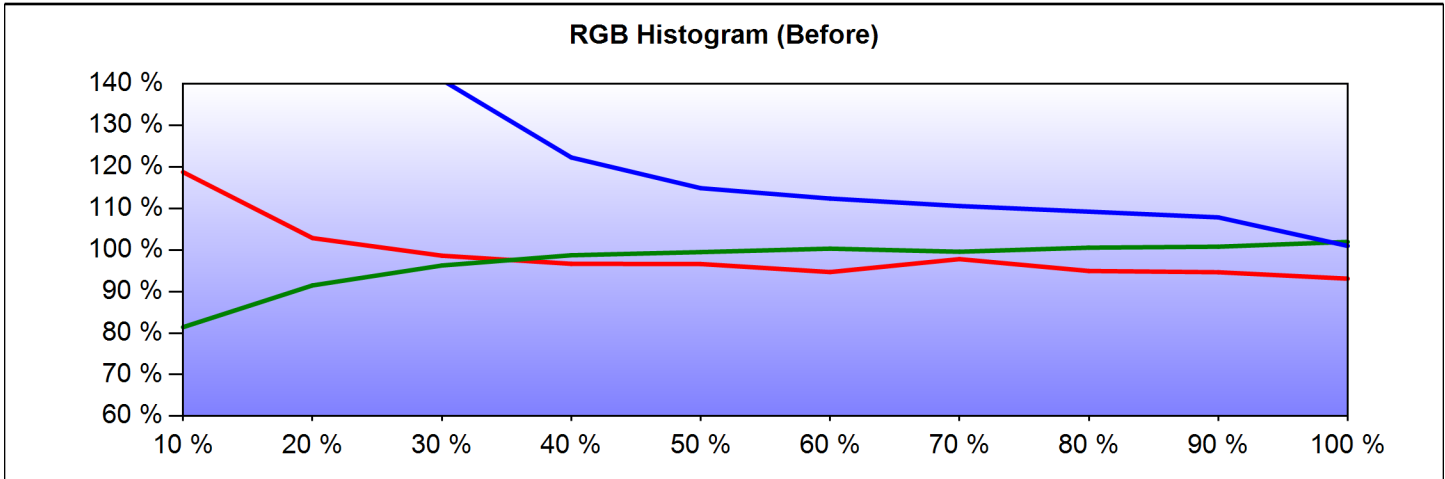


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RGB Histogram Chart

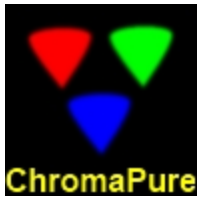


RGB Before

% Stimulus	Red	Green	Blue
10 %	118.7 %	81.4 %	228.8 %
20 %	102.9 %	91.5 %	176.0 %
30 %	98.6 %	96.3 %	141.0 %
40 %	96.7 %	98.7 %	122.3 %
50 %	96.6 %	99.5 %	114.9 %
60 %	94.7 %	100.3 %	112.4 %
70 %	97.8 %	99.6 %	110.6 %
80 %	95.0 %	100.6 %	109.2 %
90 %	94.6 %	100.8 %	107.9 %
100 %	93.1 %	102.0 %	101.0 %
Average	98.9 %	97.1 %	132.4 %

RGB After

% Stimulus	Red	Green	Blue
10 %	114.4 %	95.0 %	107.6 %
20 %	96.0 %	101.4 %	97.8 %
30 %	97.3 %	100.8 %	100.5 %
40 %	98.6 %	100.3 %	101.7 %
50 %	95.4 %	101.3 %	100.4 %
60 %	97.8 %	100.8 %	98.7 %
70 %	97.8 %	100.7 %	99.9 %
80 %	98.0 %	100.9 %	97.1 %
90 %	100.2 %	100.5 %	94.6 %
100 %	95.5 %	102.3 %	90.5 %
Average	99.1 %	100.4 %	98.9 %

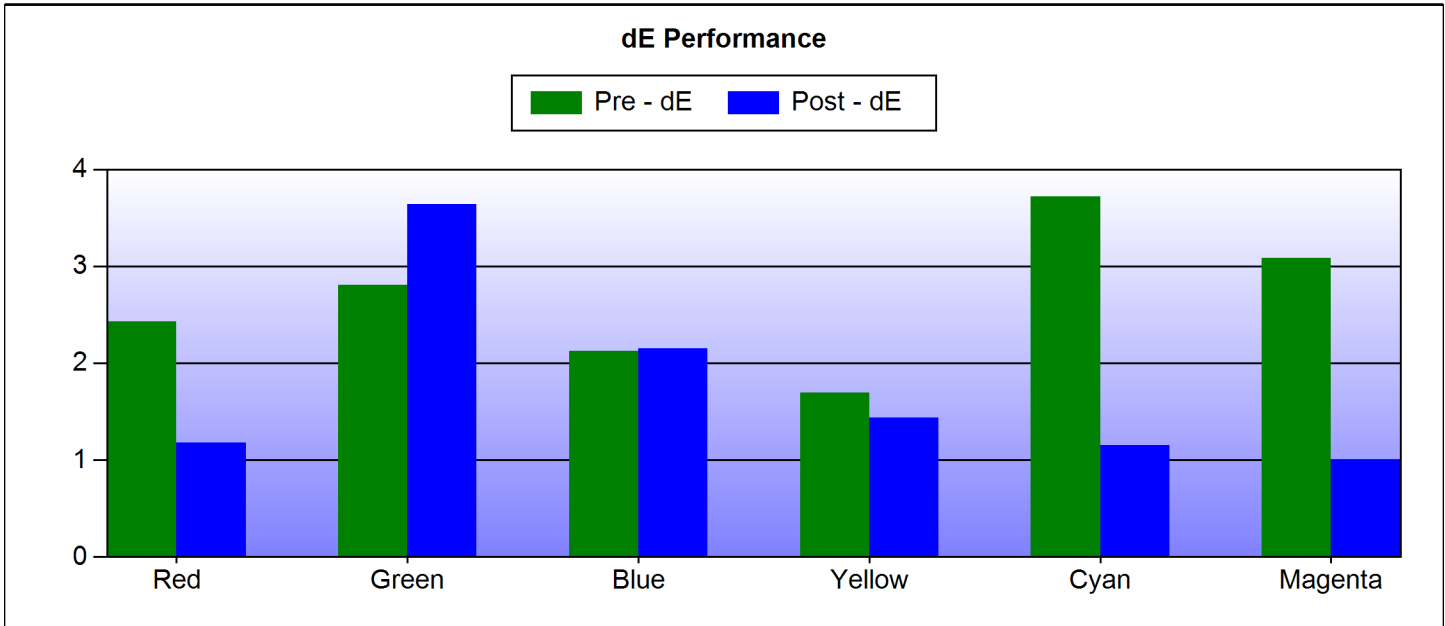


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Chromaticity Performance



Reference

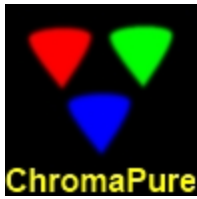
Color	x	y	Y
Red	0.6400	0.3300	0.2127
Green	0.3000	0.6000	0.7152
Blue	0.1500	0.0600	0.0722
Yellow	0.4193	0.5053	0.9278
Cyan	0.2247	0.3288	0.7873
Magenta	0.3209	0.1542	0.2848
White	0.3127	0.3290	1.0000

Before Calibration

Color	x	y	Y	dE
Red	0.631	0.326	0.222	2.4
Green	0.291	0.593	0.676	2.8
Blue	0.141	0.055	0.079	2.1
Yellow	0.416	0.497	0.900	1.7
Cyan	0.214	0.314	0.784	3.7
Magenta	0.296	0.141	0.286	3.1
White	0.304	0.319	22.291	5.4
Average				3.0

After Calibration

Color	x	y	Y	dE
Red	0.640	0.331	0.223	1.2
Green	0.301	0.601	0.644	3.6
Blue	0.141	0.056	0.064	2.2
Yellow	0.423	0.508	0.895	1.4
Cyan	0.221	0.331	0.776	1.2
Magenta	0.320	0.154	0.274	1.0
White	0.313	0.330	23.532	0.8
Average				1.6

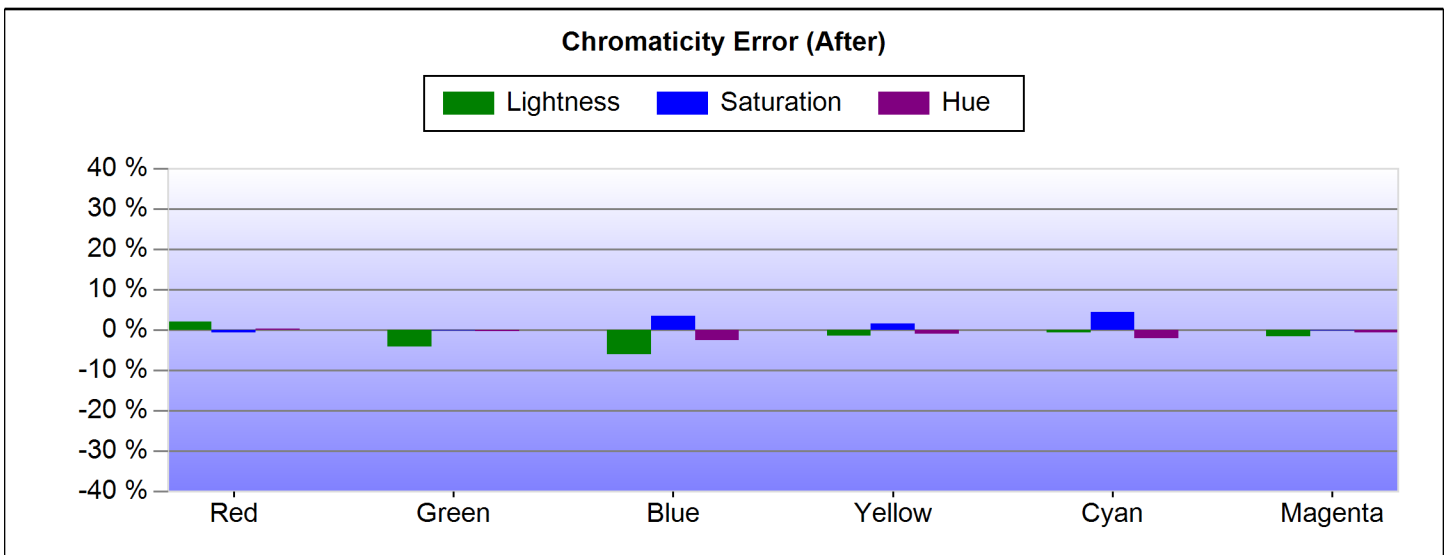
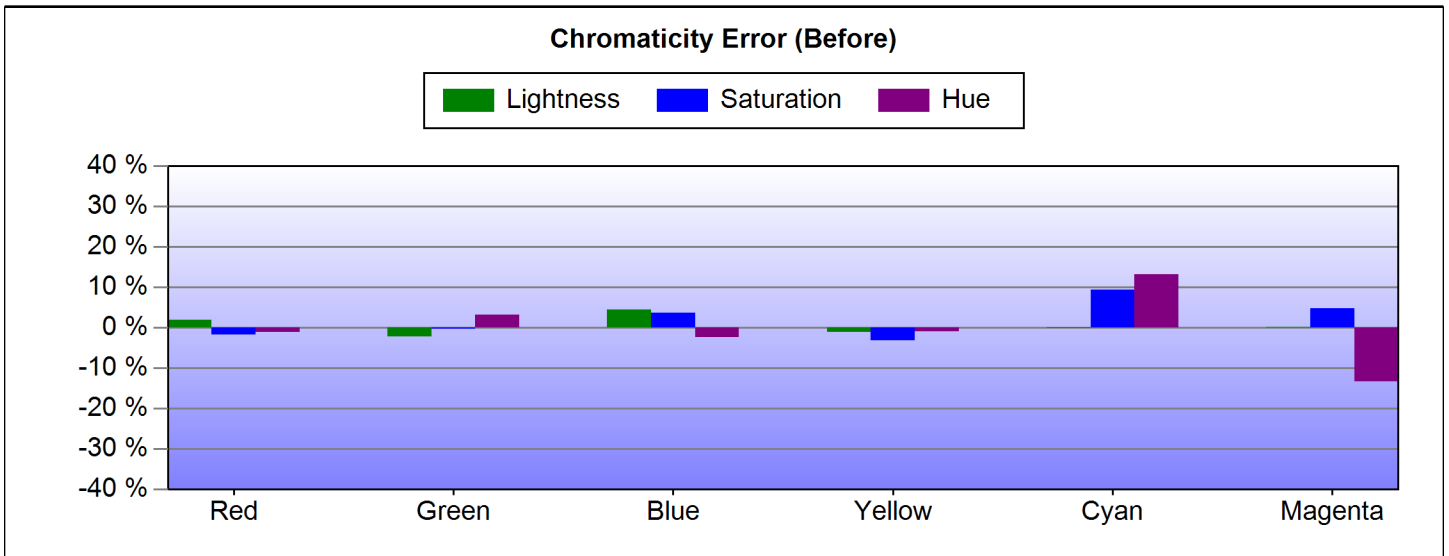


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Lightness, Saturation, and Hue Error



Before Calibration

Color	Lightness	Saturation	Hue
Red	1.8 %	-1.8 %	-1.1 %
Green	-2.2 %	-0.4 %	3.1 %
Blue	4.4 %	3.6 %	-2.4 %
Yellow	-1.2 %	-3.2 %	-0.9 %
Cyan	-0.2 %	9.3 %	13.1 %
Magenta	0.2 %	4.8 %	-13.3 %

After Calibration

Color	Lightness	Saturation	Hue
Red	2.0 %	-0.6 %	0.4 %
Green	-4.1 %	0.0 %	-0.4 %
Blue	-6.1 %	3.5 %	-2.6 %
Yellow	-1.4 %	1.6 %	-0.9 %
Cyan	-0.6 %	4.4 %	-2.1 %
Magenta	-1.6 %	0.0 %	-0.6 %



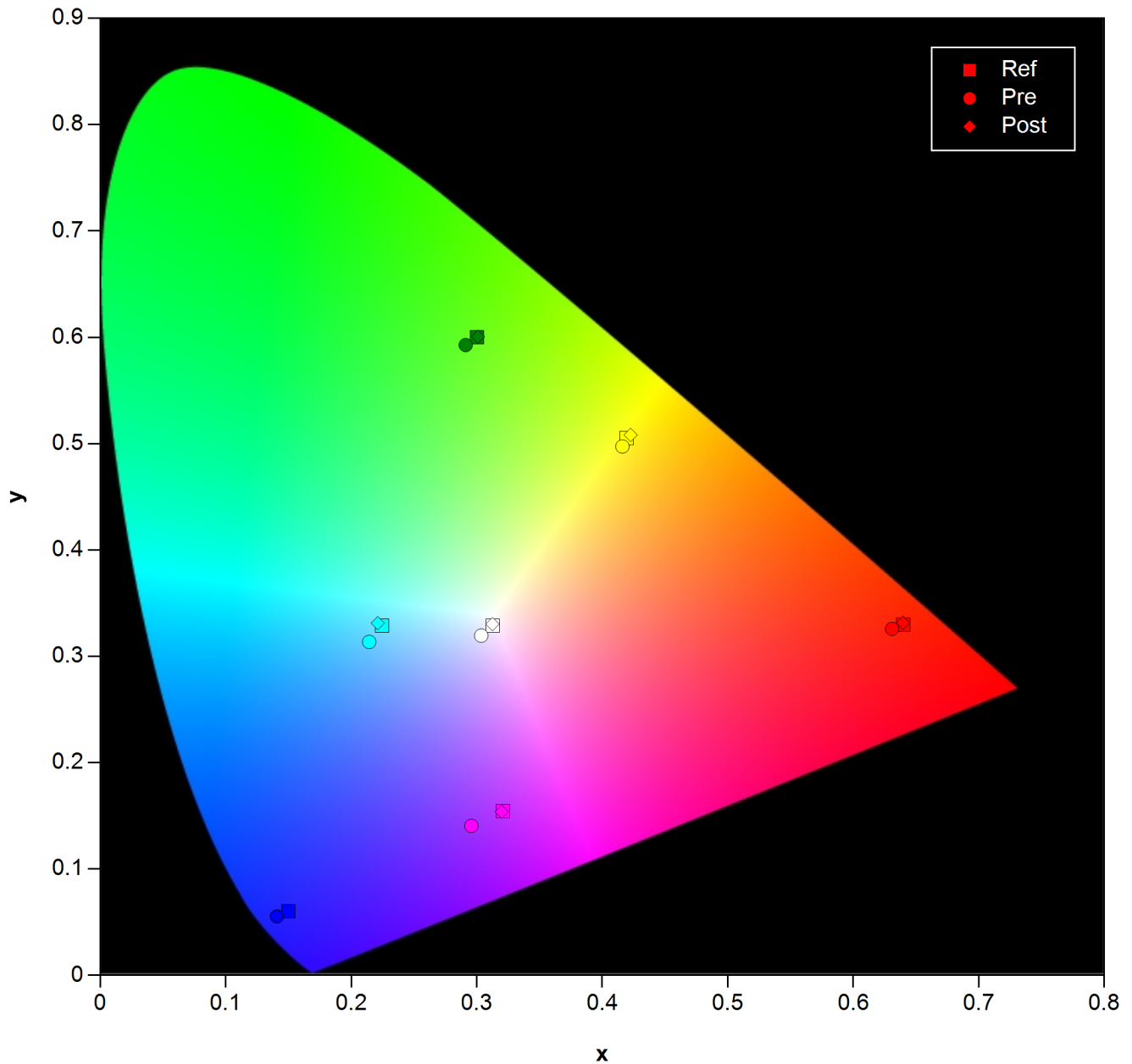
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CIE Chart

Primary/Secondary Chromaticity 1931



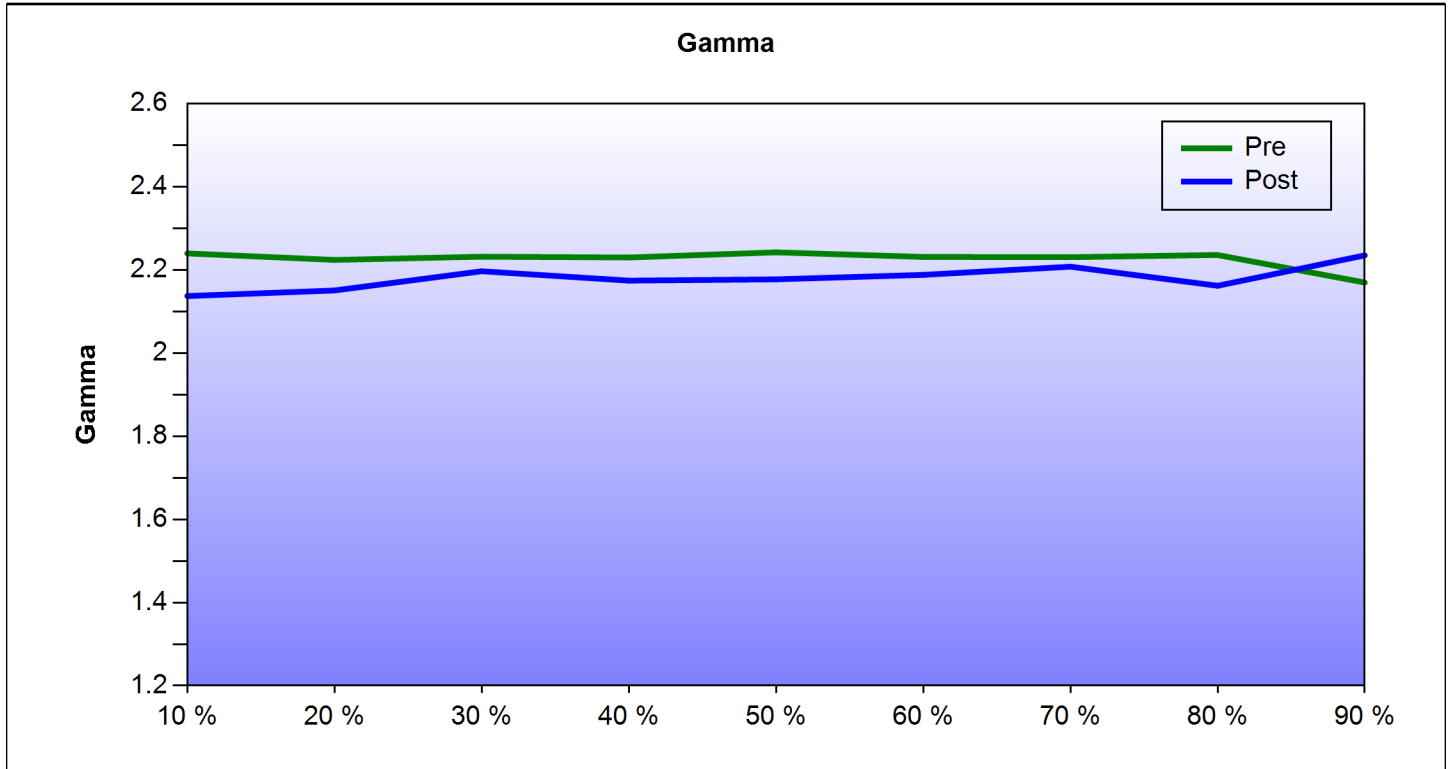


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Gamma



Y

Input	Pre	Post
0 %	0.07	0.03
10 %	0.24	0.32
20 %	1.18	1.38
30 %	2.88	3.12
40 %	5.48	5.99
50 %	8.94	9.70
60 %	13.53	14.35
70 %	19.08	19.97
80 %	25.68	27.10
90 %	33.65	34.69
100 %	42.29	43.90

Gamma

Input	Pre	Post
0 %	0.00	0.00
10 %	2.24	2.14
20 %	2.22	2.15
30 %	2.23	2.20
40 %	2.23	2.17
50 %	2.24	2.18
60 %	2.23	2.19
70 %	2.23	2.21
80 %	2.24	2.16
90 %	2.17	2.24
100 %	0.00	0.00

Original Contrast: 647 New Contrast: 1384