ChromaPure Detailed Calibration Report

Technician: ChromaPure User

Company: ChromaPure Video Calibration Software

Grayscale Performance

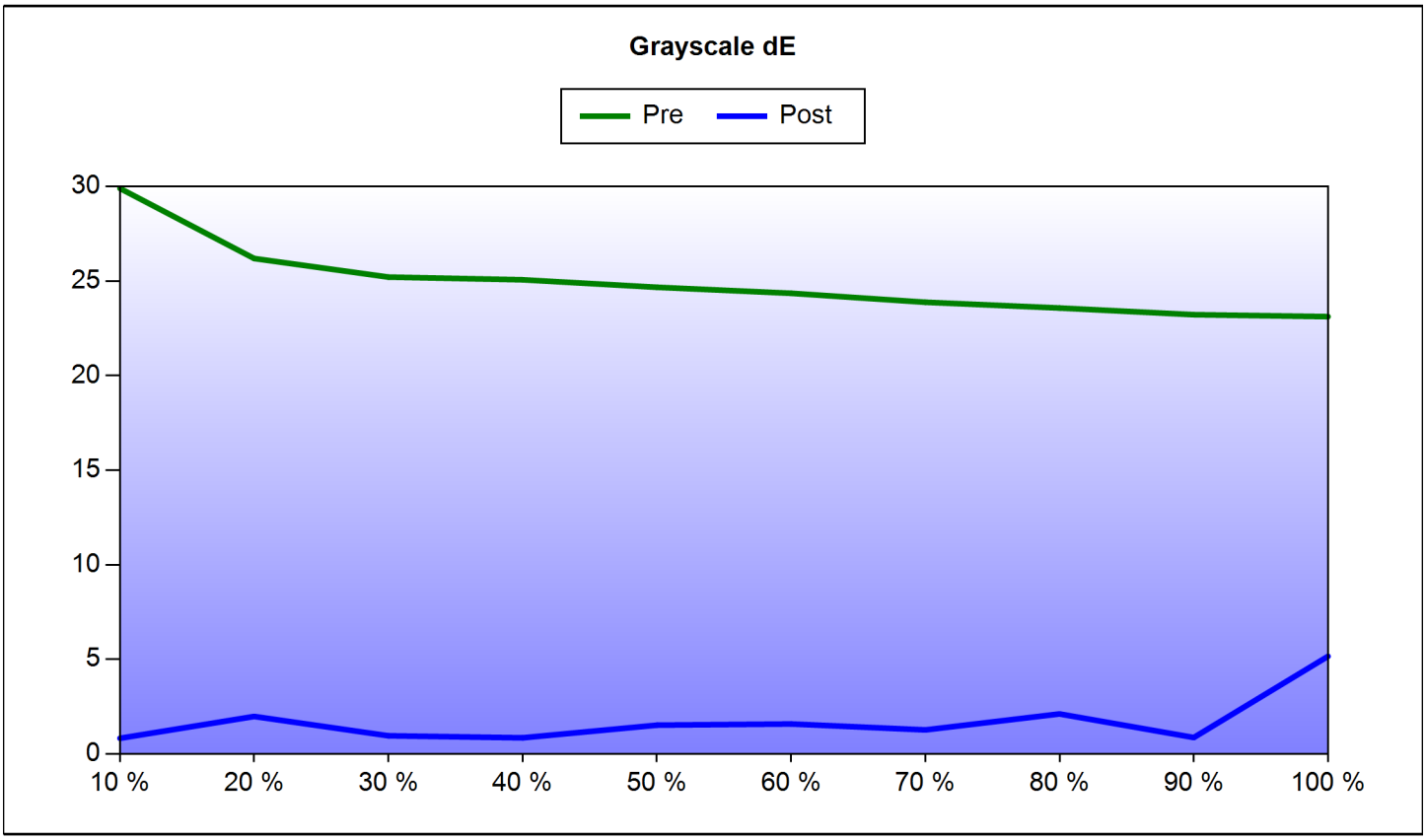
Original Contrast: 49041 New Contrast: 56428

Grayscale Before

% Stimulus	x	y	CCT	dE
10 %	0.309	0.284	7,337	29.9
20 %	0.277	0.282	10,612	26.2
30 %	0.278	0.284	10,445	25.2
40 %	0.278	0.284	10,412	25.1
50 %	0.278	0.285	10,369	24.7
60 %	0.278	0.285	10,326	24.4
70 %	0.278	0.286	10,237	23.9
80 %	0.278	0.287	10,195	23.6
90 %	0.279	0.287	10,141	23.2
100 %	0.279	0.288	10,122	23.1
			Average	24.9

Grayscale After

% Stimulus	x	y	CCT	dE
10 %	0.314	0.330	6,412	0.8
20 %	0.317	0.331	6,268	2.0
30 %	0.314	0.331	6,412	1.0
40 %	0.315	0.330	6,400	0.8
50 %	0.310	0.327	6,685	1.5
60 %	0.309	0.327	6,703	1.6
70 %	0.314	0.331	6,429	1.3
80 %	0.314	0.333	6,386	2.1
90 %	0.312	0.330	6,547	0.9
100 %	0.304	0.329	6,996	5.2
			Average	1.7



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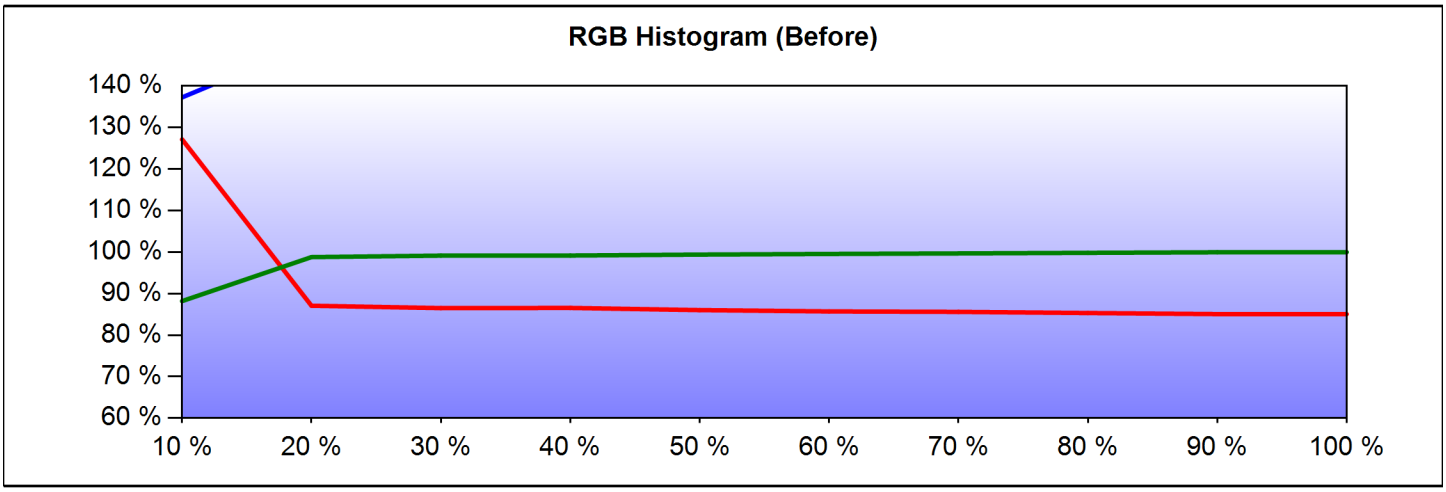
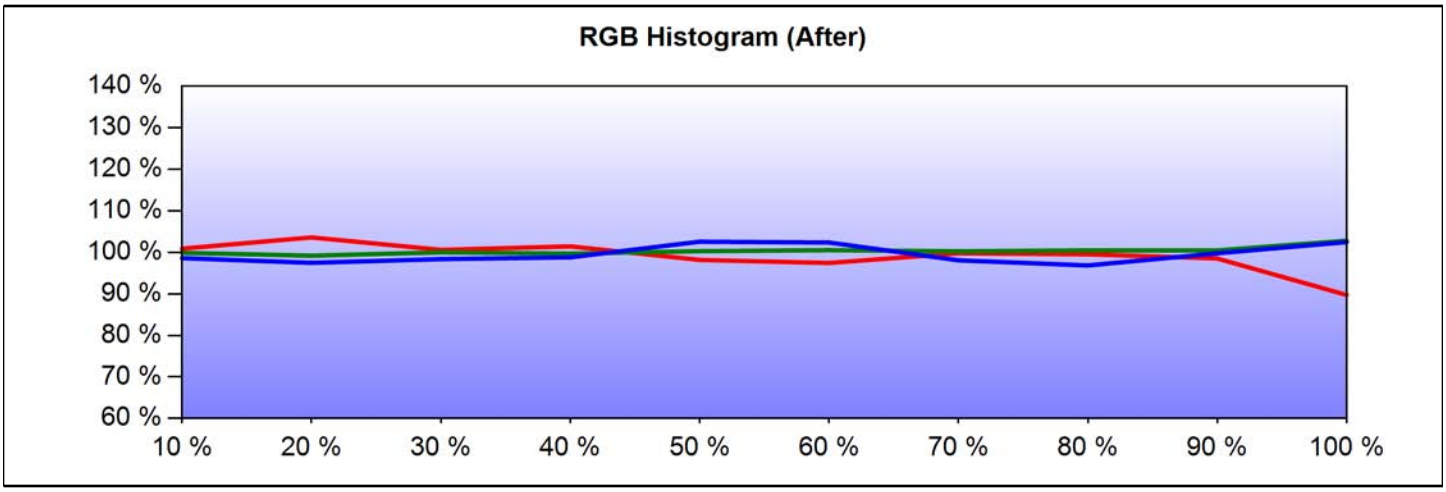
RGB Histogram Chart





RGB Before

% Stimulus	Red	Green	Blue
10 %	127.1 %	88.2 %	137.2 %
20 %	87.1 %	98.8 %	150.2 %
30 %	86.5 %	99.1 %	148.3 %
40 %	86.5 %	99.2 %	148.1 %
50 %	86.0 %	99.4 %	147.3 %
60 %	85.7 %	99.5 %	146.8 %
70 %	85.6 %	99.7 %	145.8 %
80 %	85.3 %	99.8 %	145.2 %
90 %	85.1 %	99.9 %	144.6 %
100 %	85.0 %	100.0 %	144.4 %
Average	90.0 %	98.4 %	145.8 %

RGB After

% Stimulus	Red	Green	Blue
10 %	100.9 %	99.9 %	98.6 %
20 %	103.6 %	99.2 %	97.5 %
30 %	100.6 %	100.0 %	98.4 %
40 %	101.4 %	99.7 %	98.8 %
50 %	98.2 %	100.3 %	102.6 %
60 %	97.4 %	100.5 %	102.4 %
70 %	99.8 %	100.3 %	98.1 %
80 %	99.5 %	100.5 %	96.8 %
90 %	98.5 %	100.5 %	99.8 %
100 %	89.7 %	102.8 %	102.5 %
Average	99.0 %	100.4 %	99.5 %

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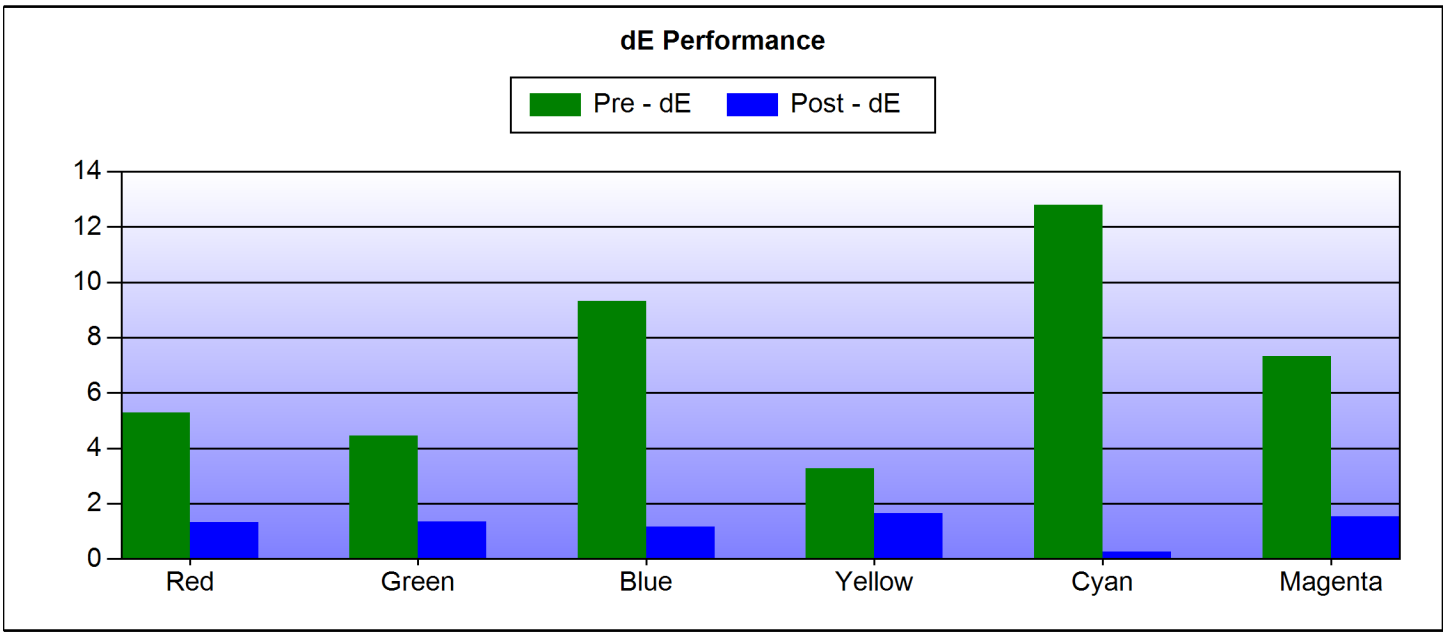
Chromaticity Performance



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	0.662	0.331	0.231	5.3
Green	0.275	0.651	0.766	4.5
Blue	0.147	0.062	0.120	9.3
Yellow	0.422	0.529	0.961	3.3
Cyan	0.193	0.276	0.848	12.8
Magenta	0.277	0.129	0.339	7.3
White	0.279	0.288	143.634	23.0
			Average	9.4

After Calibration

Color	x	y	Y	dE
Red	0.631	0.331	0.221	1.3
Green	0.291	0.612	0.715	1.3
Blue	0.147	0.062	0.072	1.2
Yellow	0.424	0.506	0.892	1.7
Cyan	0.225	0.330	0.784	0.3
Magenta	0.323	0.155	0.302	1.5
White	0.304	0.329	138.080	5.1
			Average	1.8

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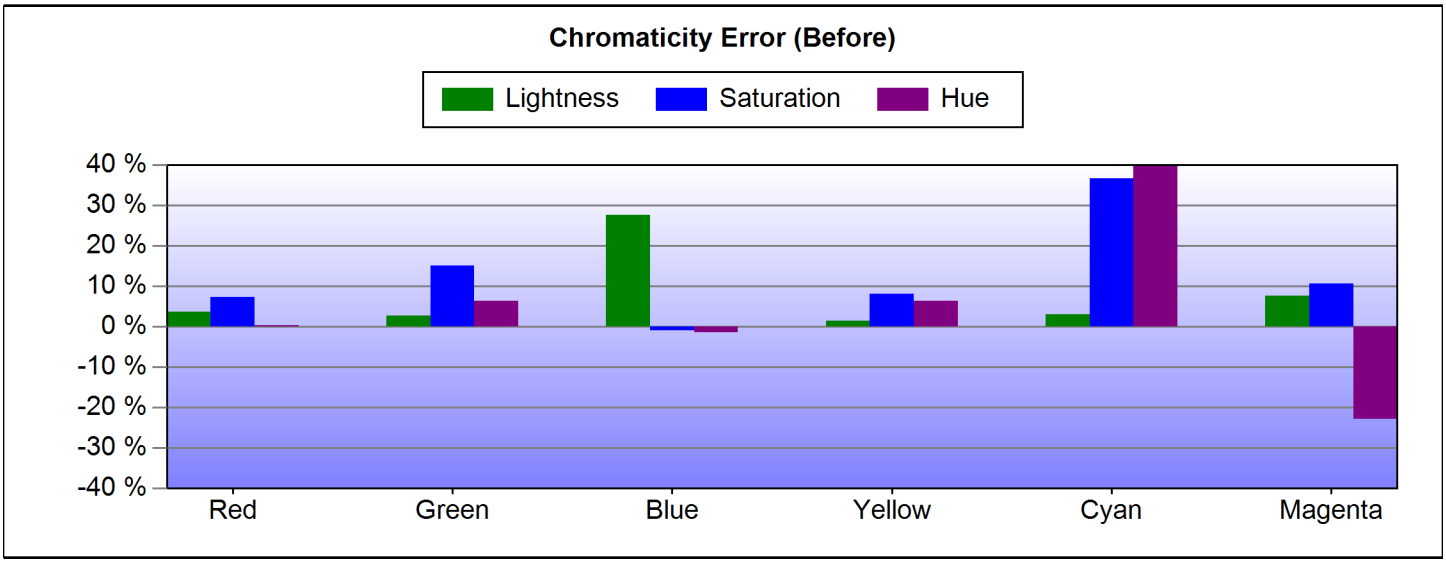
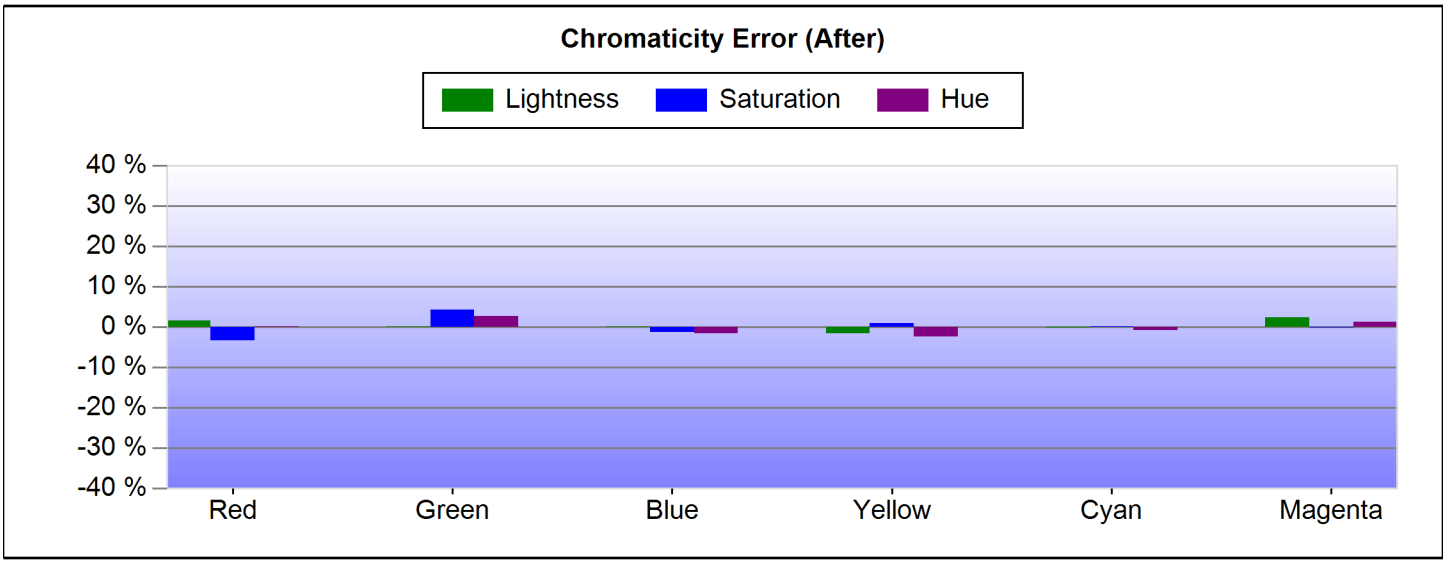
Lightness, Saturation, and Hue Error





Before Calibration

Color	Lightness	Saturation	Hue
Red	3.6 %	7.3 %	0.3 %
Green	2.7 %	15.0 %	6.3 %
Blue	27.6 %	-0.9 %	-1.5 %
Yellow	1.4 %	8.1 %	6.3 %
Cyan	2.9 %	36.7 %	39.9 %
Magenta	7.6 %	10.7 %	-22.9 %

After Calibration

Color	Lightness	Saturation	Hue
Red	1.6 %	-3.4 %	0.2 %
Green	0.0 %	4.2 %	2.8 %
Blue	0.1 %	-1.2 %	-1.5 %
Yellow	-1.5 %	1.0 %	-2.4 %
Cyan	-0.2 %	0.1 %	-0.7 %
Magenta	2.5 %	0.0 %	1.3 %

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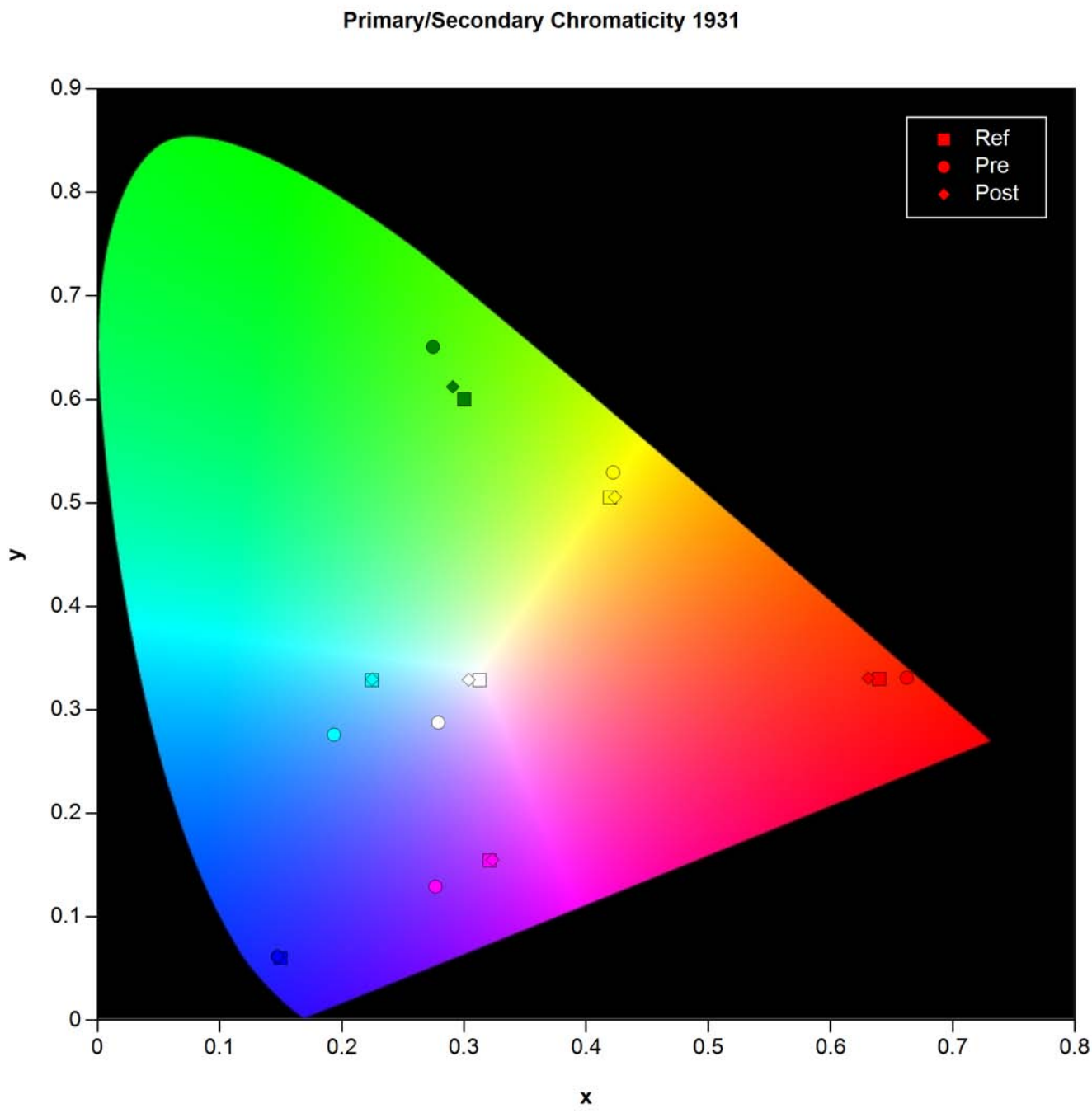
CIE Chart



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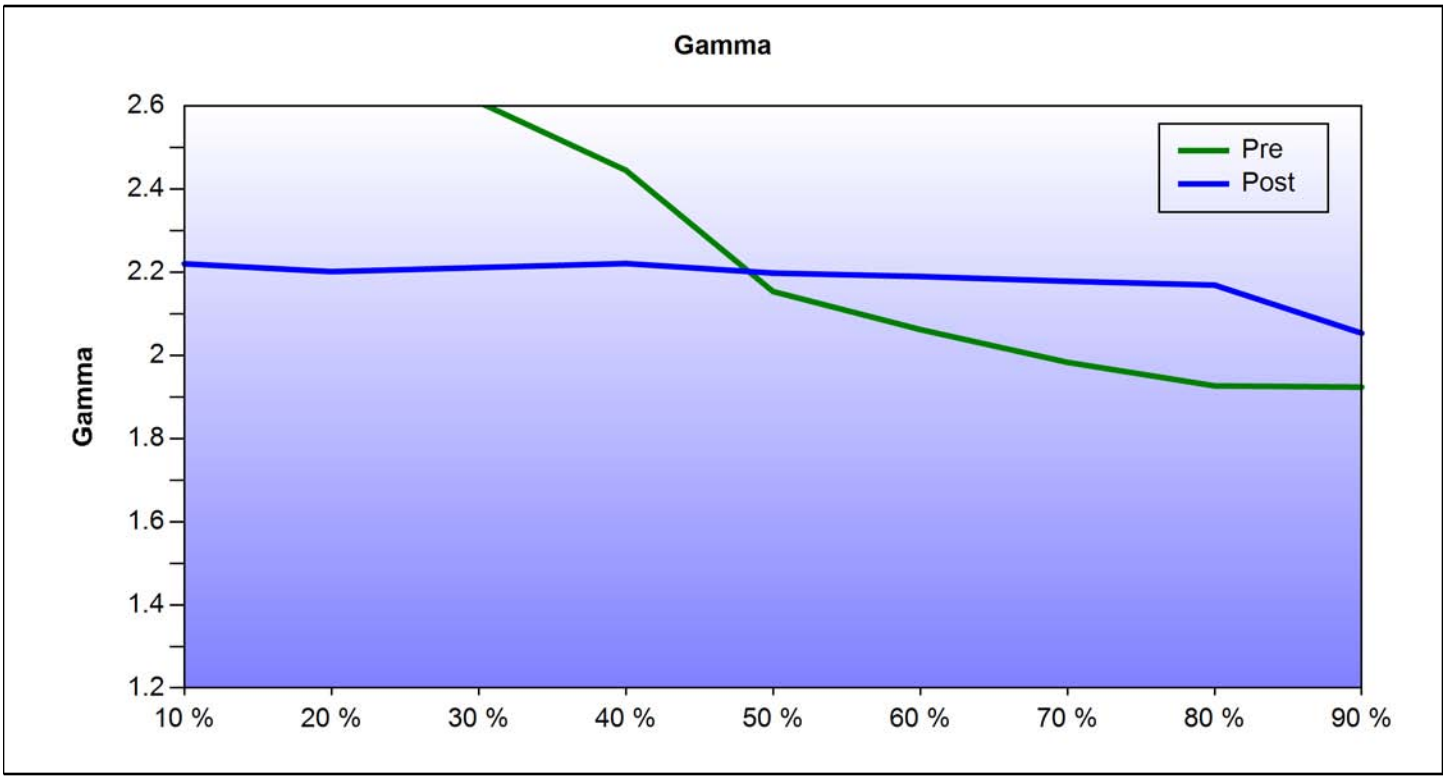
Gamma



Y

Input	Pre	Post
10 %	0.10	0.83
20 %	1.56	3.98
30 %	6.21	9.60
40 %	15.29	17.98
50 %	32.29	29.99
60 %	50.11	44.96
70 %	70.83	63.26
80 %	93.48	84.80
90 %	117.33	110.83
100 %	143.69	137.60

Gamma

Input	Pre	Post
10 %	3.14	2.22
20 %	2.81	2.20
30 %	2.61	2.21
40 %	2.45	2.22
50 %	2.15	2.20
60 %	2.06	2.19
70 %	1.98	2.18
80 %	1.93	2.17
90 %	1.92	2.05
100 %	0.00	0.00

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