

ChromaPure Detailed Calibration Report

Technician: Buzz Schranz

Company: Naples, FL & Wausau, WI 239-248-5069

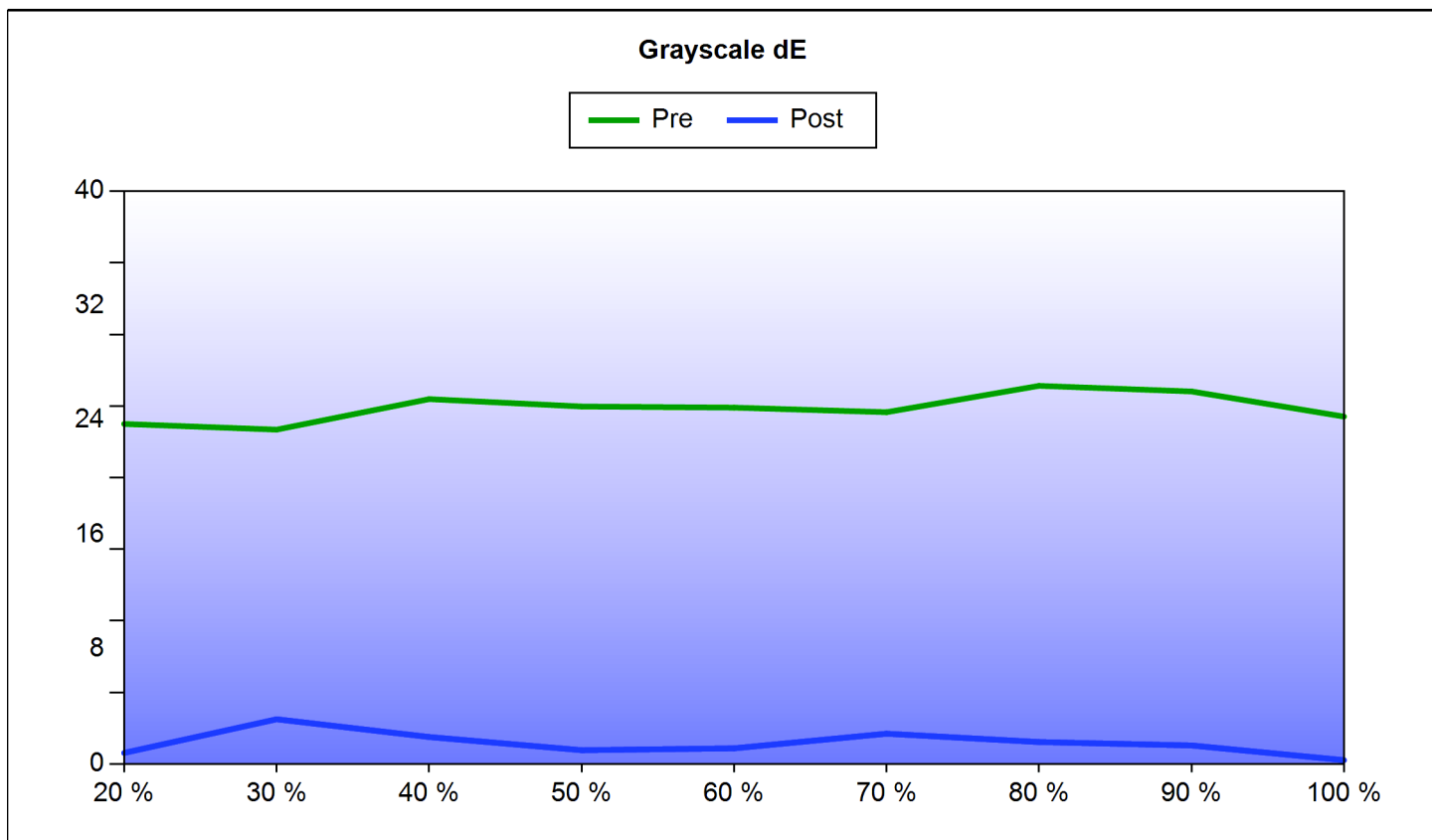
Grayscale Performance

Grayscale Before

% Stimulus	x	y	CCT	dE
20 %	0.285	0.286	9,496	23.8
30 %	0.287	0.287	9,267	23.4
40 %	0.286	0.283	9,607	25.5
50 %	0.285	0.284	9,596	25.0
60 %	0.284	0.284	9,688	24.9
70 %	0.286	0.285	9,471	24.6
80 %	0.284	0.282	9,883	26.4
90 %	0.286	0.283	9,630	26.0
100 %	0.286	0.285	9,451	24.3
Average				24.9

Grayscale After

% Stimulus	x	y	CCT	dE
20 %	0.311	0.329	6,593	0.8
30 %	0.311	0.333	6,578	3.1
40 %	0.309	0.326	6,735	1.9
50 %	0.311	0.328	6,624	1.0
60 %	0.313	0.331	6,501	1.1
70 %	0.317	0.331	6,253	2.1
80 %	0.311	0.326	6,600	1.5
90 %	0.315	0.329	6,371	1.3
100 %	0.312	0.329	6,524	0.3
Average				1.4

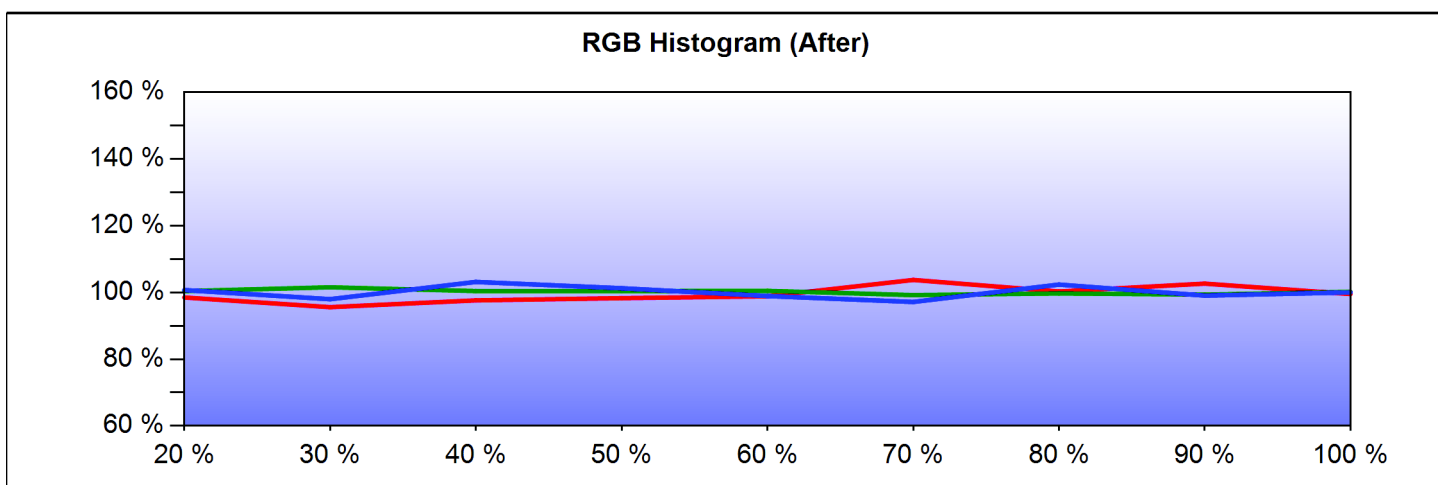
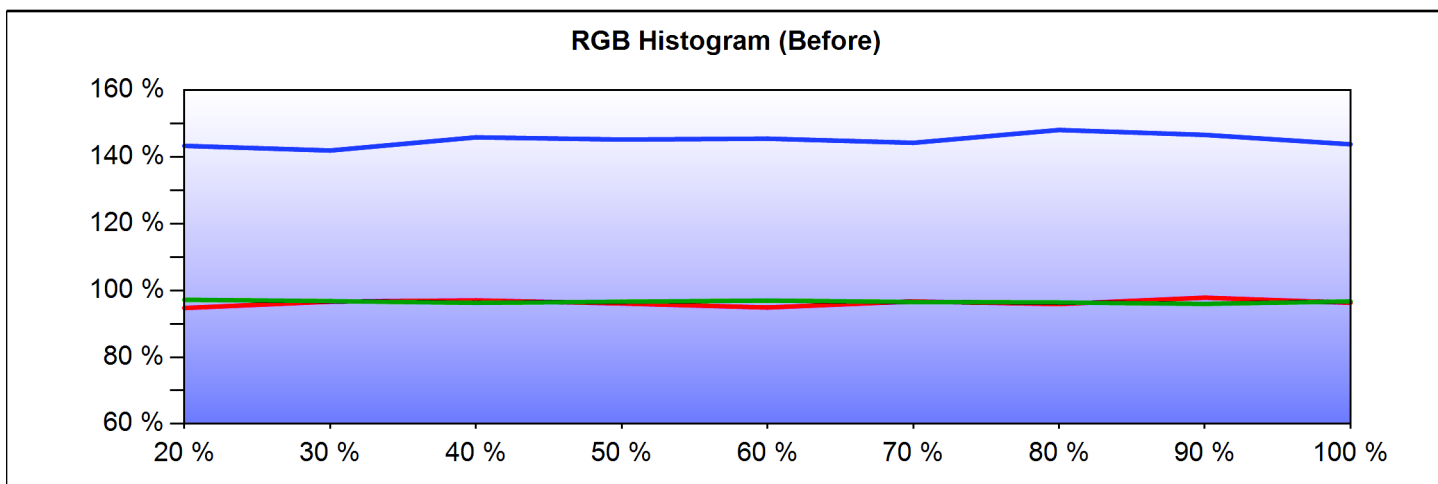


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RGB Histogram Chart



RGB Before

% Stimulus	Red	Green	Blue
20 %	94.7 %	97.2 %	143.3 %
30 %	96.6 %	96.8 %	141.9 %
40 %	97.0 %	96.3 %	145.9 %
50 %	96.1 %	96.6 %	145.2 %
60 %	94.9 %	96.9 %	145.5 %
70 %	96.7 %	96.5 %	144.2 %
80 %	95.9 %	96.4 %	148.1 %
90 %	97.8 %	96.0 %	146.6 %
100 %	96.3 %	96.7 %	143.8 %
Average	96.2 %	96.6 %	145.0 %

RGB After

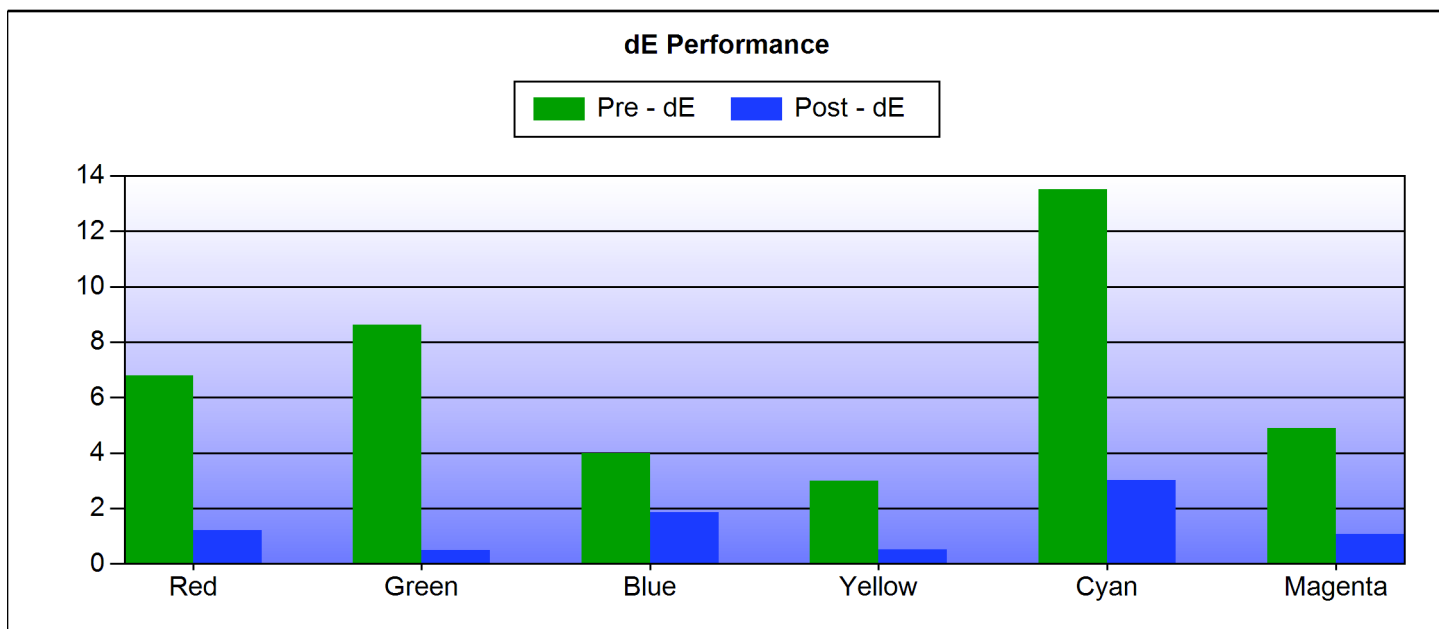
% Stimulus	Red	Green	Blue
20 %	98.5 %	100.4 %	100.7 %
30 %	95.6 %	101.5 %	98.0 %
40 %	97.6 %	100.4 %	103.1 %
50 %	98.3 %	100.4 %	101.2 %
60 %	98.8 %	100.5 %	98.9 %
70 %	103.7 %	99.2 %	97.1 %
80 %	100.3 %	99.7 %	102.3 %
90 %	102.6 %	99.3 %	99.0 %
100 %	99.5 %	100.2 %	100.0 %
Average	99.4 %	100.2 %	100.1 %

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Chromaticity Performance



Reference

Color	x	y	Y
Red	0.6400	0.3300	0.2126
Green	0.3000	0.6000	0.7151
Blue	0.1500	0.0600	0.0722
Yellow	0.4193	0.5053	0.9278
Cyan	0.2246	0.3287	0.7873
Magenta	0.3209	0.1542	0.2849
White	0.3127	0.3290	1.0000

Before Calibration

Color	x	y	Y	dE
Red	0.625	0.312	0.241	6.8
Green	0.278	0.577	0.870	8.6
Blue	0.152	0.063	0.091	4.0
Yellow	0.436	0.512	0.923	3.0
Cyan	0.208	0.280	0.777	13.5
Magenta	0.289	0.136	0.314	4.9
White	0.285	0.285	14.777	24.8
Average				9.4

After Calibration

Color	x	y	Y	dE
Red	0.639	0.334	0.219	1.2
Green	0.298	0.602	0.706	0.5
Blue	0.153	0.067	0.074	1.9
Yellow	0.418	0.509	0.923	0.5
Cyan	0.233	0.328	0.741	3.0
Magenta	0.315	0.157	0.286	1.1
White	0.309	0.325	62.540	2.1
Average				1.5

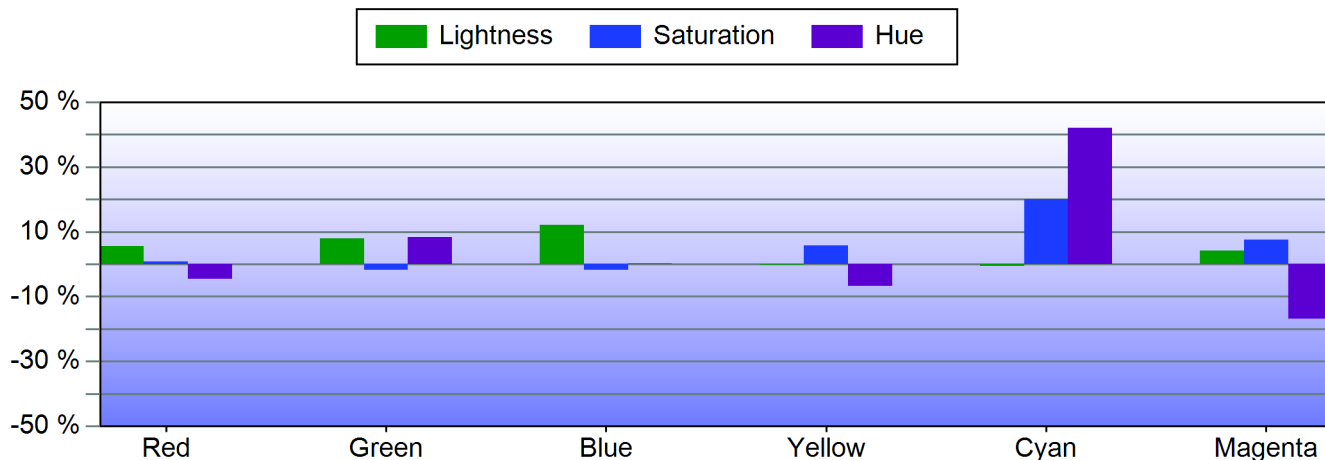
Lightness, Saturation, and Hue Error

ChromaPure Detailed Calibration Report

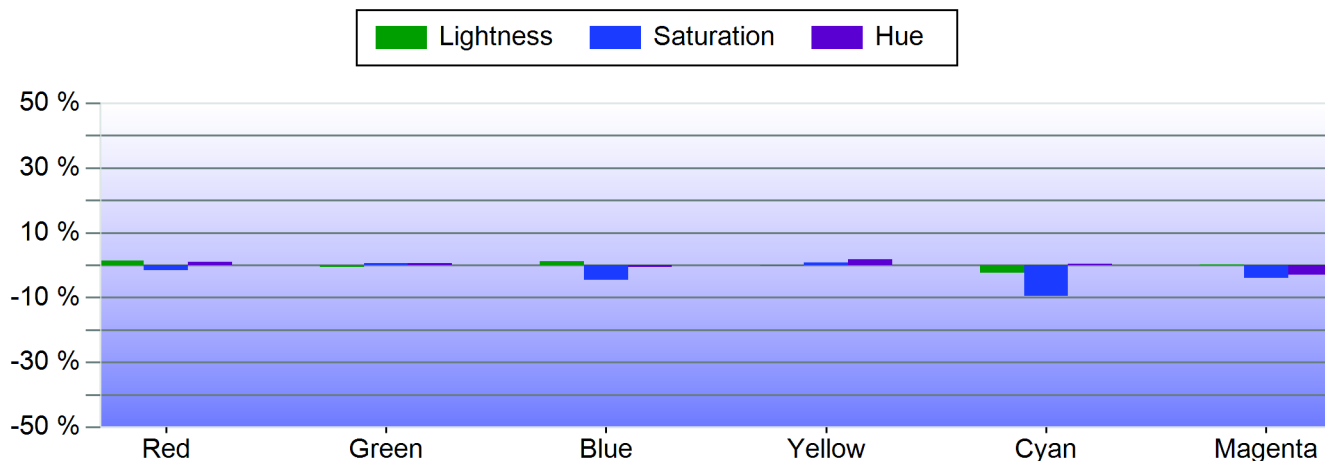
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Chromaticity Error (Before)



Chromaticity Error (After)



Before Calibration

Color	Lightness	Saturation	Hue
Red	5.6 %	0.8 %	-4.5 %
Green	8.0 %	-1.7 %	8.3 %
Blue	12.0 %	-1.7 %	0.0 %
Yellow	-0.2 %	5.8 %	-6.7 %
Cyan	-0.5 %	20.1 %	42.1 %
Magenta	4.2 %	7.5 %	-16.8 %

After Calibration

Color	Lightness	Saturation	Hue
Red	1.4 %	-1.7 %	1.0 %
Green	-0.5 %	0.6 %	0.6 %
Blue	1.2 %	-4.6 %	-0.6 %
Yellow	-0.2 %	0.8 %	1.7 %
Cyan	-2.3 %	-9.4 %	0.5 %
Magenta	0.2 %	-4.0 %	-3.0 %

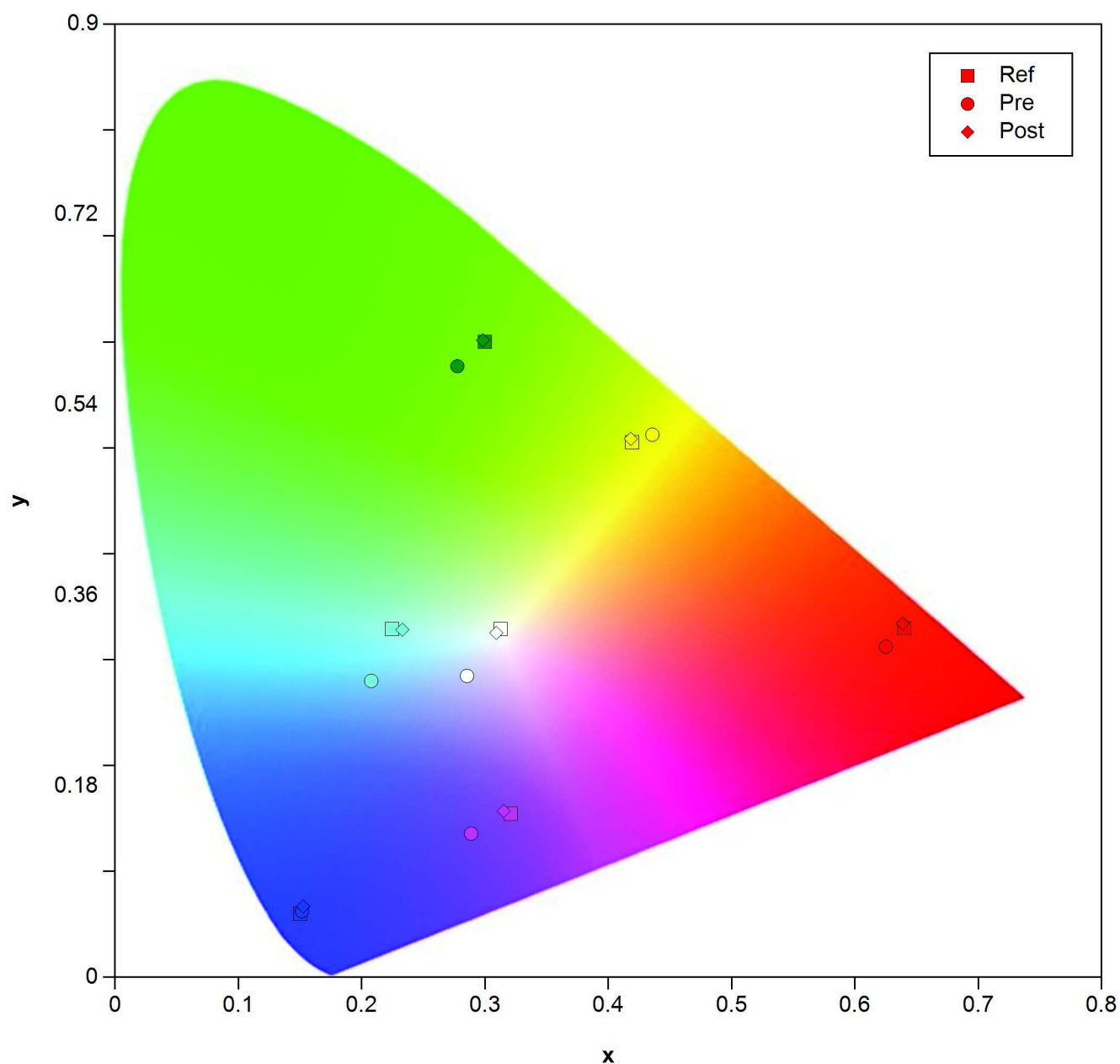
CIE Chart

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Primary/Secondary Chromaticity 1931

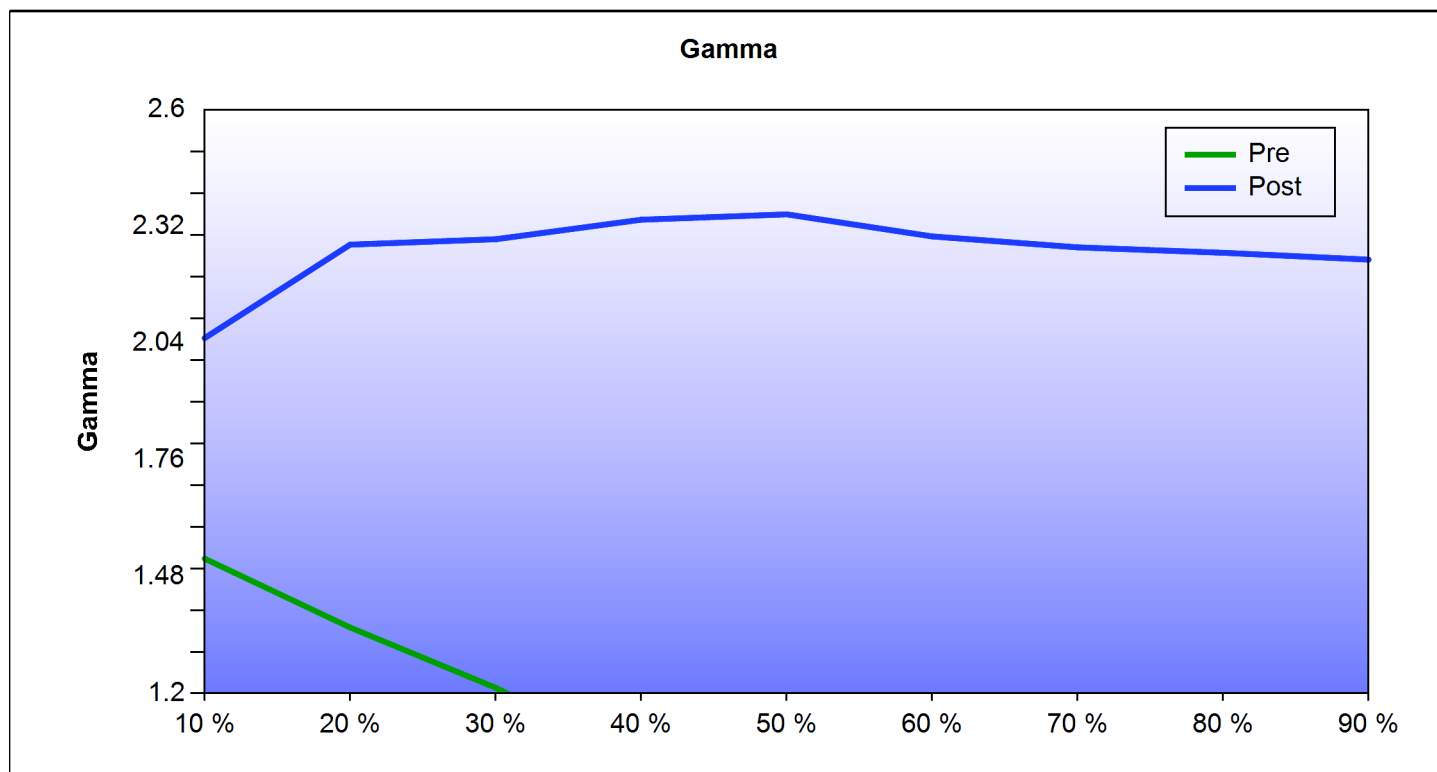


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Gamma



Y

Input	Pre	Post
10 %	0.56	1.06
20 %	2.11	3.06
30 %	4.36	7.58
40 %	7.23	14.03
50 %	10.17	23.42
60 %	12.05	36.93
70 %	13.79	53.11
80 %	15.79	72.13
90 %	17.38	94.26

Gamma

Input	Pre	Post
10 %	1.52	2.05
20 %	1.36	2.28
30 %	1.21	2.29
40 %	1.04	2.34
50 %	0.89	2.35
60 %	0.87	2.30
70 %	0.87	2.27
80 %	0.78	2.26
90 %	0.74	2.24