ChromaPure Detailed Calibration Report

Technician: ChromaPure User

Company: ChromaPure Video Calibration Software

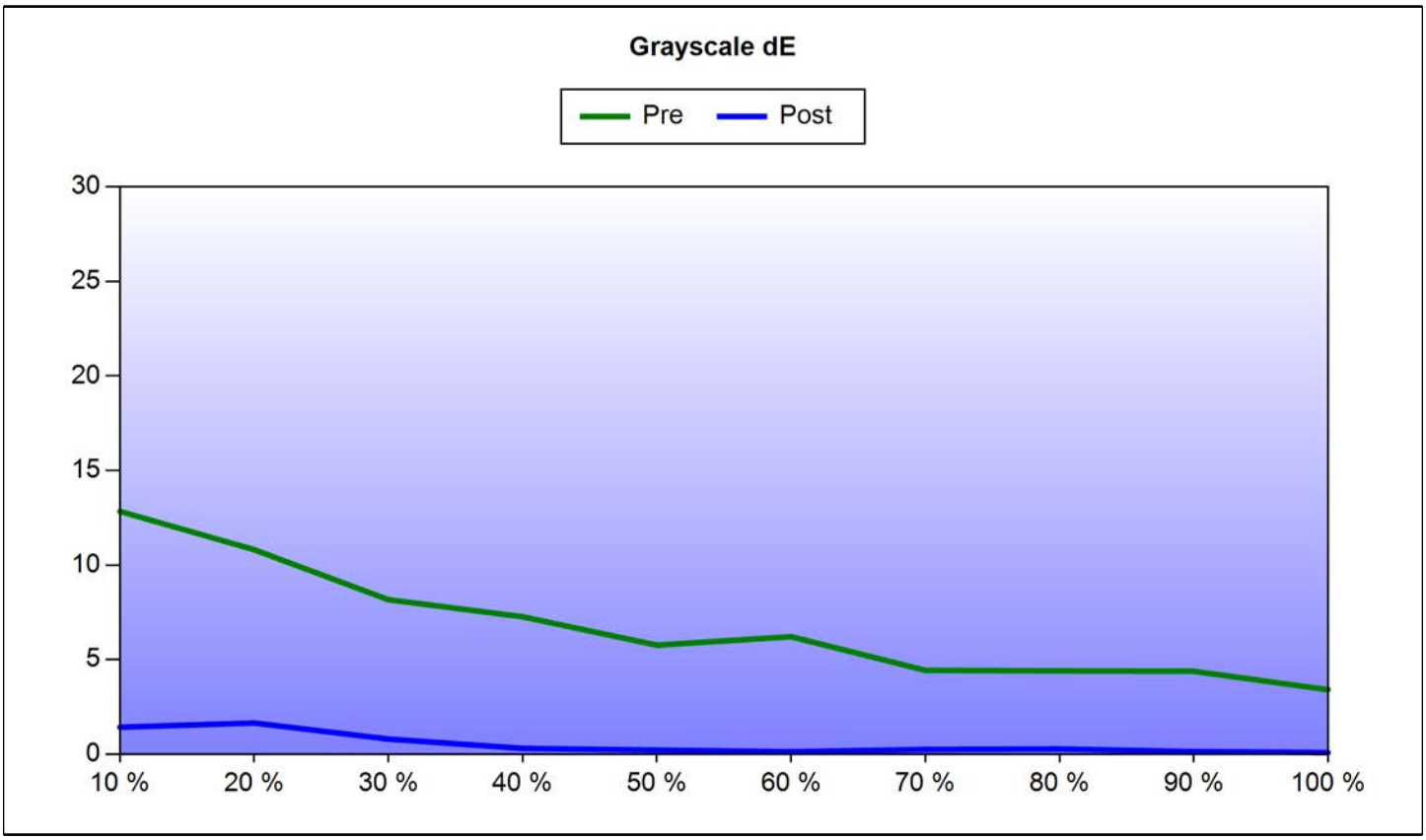
Grayscale Performance

Grayscale Before

% Stimulus	x	y	CCT	dE
10 %	0.300	0.341	7,077	12.8
20 %	0.300	0.337	7,120	10.8
30 %	0.305	0.337	6,862	8.2
40 %	0.307	0.337	6,746	7.3
50 %	0.306	0.333	6,823	5.8
60 %	0.308	0.336	6,687	6.2
70 %	0.306	0.331	6,828	4.4
80 %	0.309	0.334	6,667	4.4
90 %	0.310	0.334	6,622	4.4
100 %	0.309	0.332	6,701	3.4
			Average	6.8

Grayscale After

% Stimulus	x	y	CCT	dE
10 %	0.312	0.327	6,537	1.4
20 %	0.316	0.332	6,316	1.6
30 %	0.312	0.330	6,517	0.8
40 %	0.312	0.328	6,536	0.3
50 %	0.312	0.329	6,517	0.2
60 %	0.313	0.329	6,509	0.1
70 %	0.313	0.329	6,510	0.2
80 %	0.313	0.329	6,502	0.3
90 %	0.313	0.329	6,489	0.1
100 %	0.313	0.329	6,502	0.1
			Average	0.5



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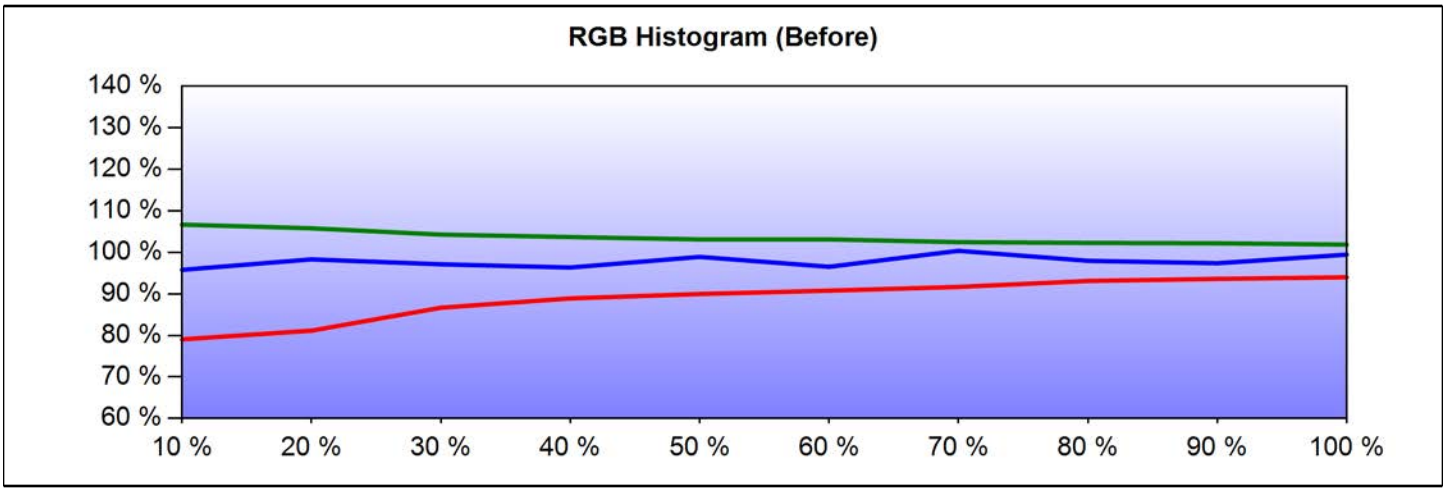
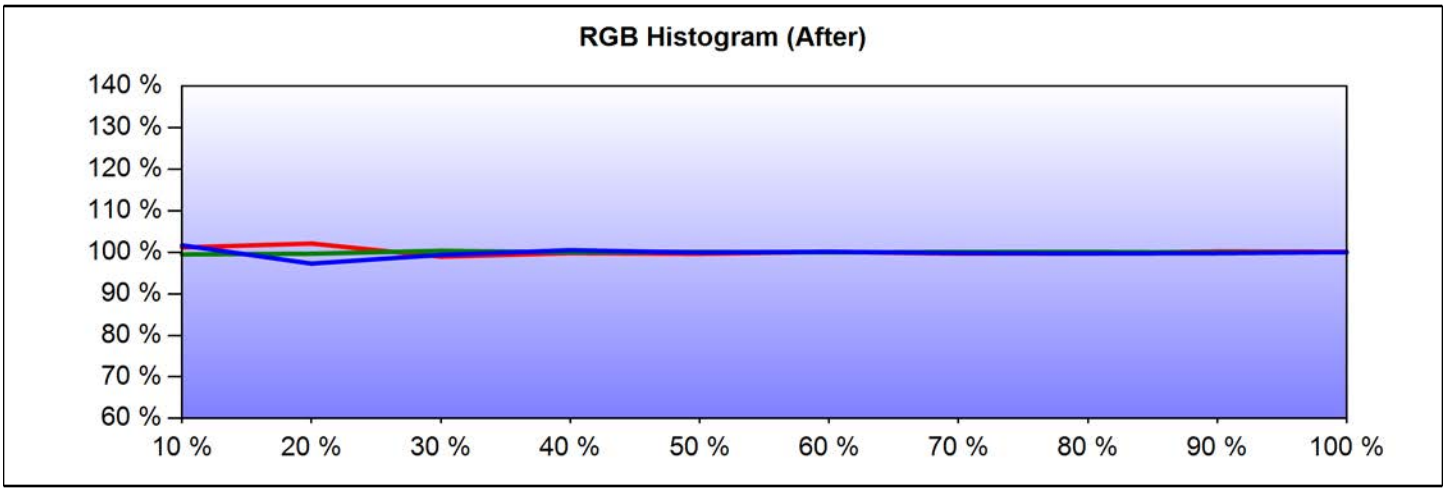
RGB Histogram Chart





RGB Before

% Stimulus	Red	Green	Blue
10 %	79.0 %	106.7 %	95.8 %
20 %	81.1 %	105.8 %	98.3 %
30 %	86.7 %	104.3 %	97.1 %
40 %	88.9 %	103.7 %	96.3 %
50 %	90.0 %	103.1 %	98.9 %
60 %	90.8 %	103.1 %	96.5 %
70 %	91.7 %	102.5 %	100.4 %
80 %	93.1 %	102.3 %	98.0 %
90 %	93.6 %	102.2 %	97.4 %
100 %	94.0 %	101.9 %	99.4 %
Average	88.9 %	103.5 %	97.8 %

RGB After

% Stimulus	Red	Green	Blue
10 %	101.2 %	99.5 %	101.7 %
20 %	102.1 %	99.7 %	97.3 %
30 %	99.0 %	100.4 %	99.4 %
40 %	99.8 %	100.0 %	100.5 %
50 %	99.6 %	100.1 %	100.0 %
60 %	100.1 %	100.0 %	100.1 %
70 %	99.7 %	100.1 %	99.8 %
80 %	99.7 %	100.1 %	99.7 %
90 %	100.2 %	100.0 %	99.8 %
100 %	100.1 %	100.0 %	100.0 %
Average	100.2 %	100.0 %	99.8 %

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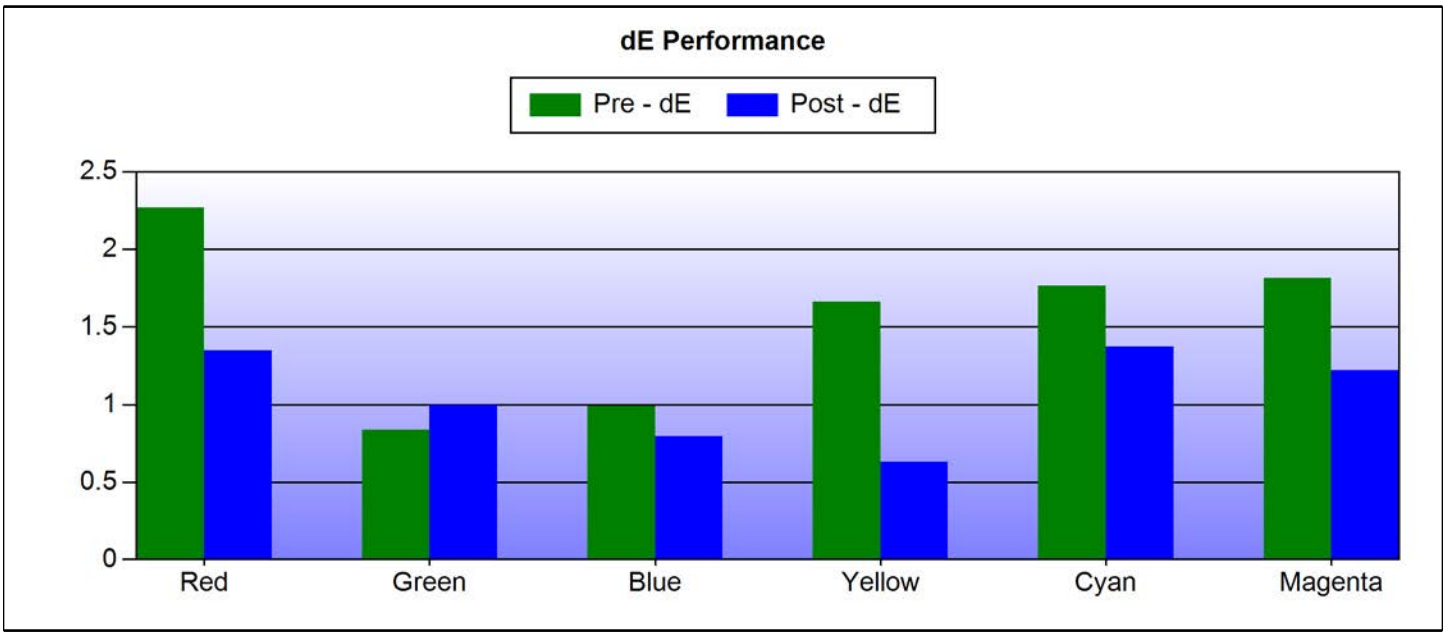
Chromaticity Performance



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	0.627	0.341	0.205	2.3
Green	0.302	0.599	0.732	0.8
Blue	0.149	0.062	0.072	1.0
Yellow	0.413	0.511	0.933	1.7
Cyan	0.225	0.335	0.799	1.8
Magenta	0.314	0.157	0.274	1.8
White	0.308	0.334	56.486	5.1
			Average	2.1

After Calibration

Color	x	y	Y	dE
Red	0.644	0.332	0.205	1.4
Green	0.297	0.609	0.730	1.0
Blue	0.150	0.060	0.069	0.8
Yellow	0.423	0.508	0.926	0.6
Cyan	0.223	0.333	0.798	1.4
Magenta	0.321	0.153	0.272	1.2
White	0.312	0.328	61.696	0.6
			Average	1.0

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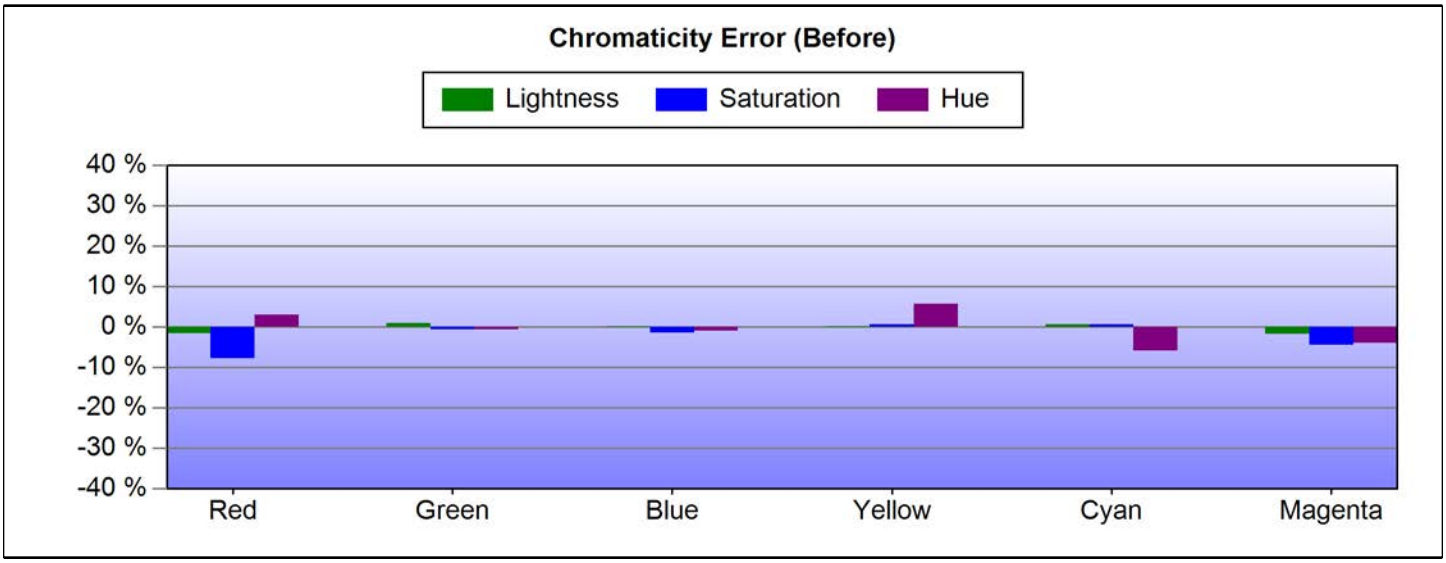
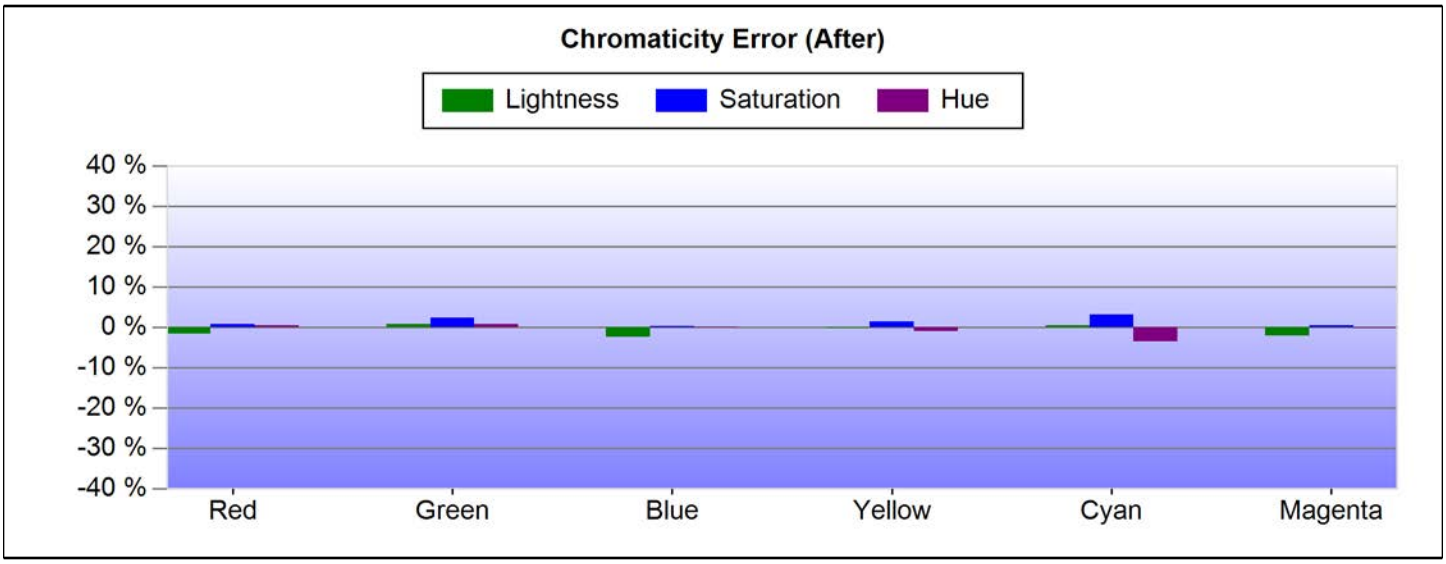
Lightness, Saturation, and Hue Error





Before Calibration

Color	Lightness	Saturation	Hue
Red	-1.5 %	-7.7 %	3.0 %
Green	0.9 %	-0.6 %	-0.6 %
Blue	0.0 %	-1.4 %	-1.0 %
Yellow	0.2 %	0.7 %	5.8 %
Cyan	0.6 %	0.7 %	-5.8 %
Magenta	-1.7 %	-4.5 %	-3.9 %

After Calibration

Color	Lightness	Saturation	Hue
Red	-1.5 %	0.8 %	0.4 %
Green	0.8 %	2.5 %	0.7 %
Blue	-2.4 %	0.3 %	0.0 %
Yellow	-0.1 %	1.5 %	-0.9 %
Cyan	0.5 %	3.1 %	-3.5 %
Magenta	-2.0 %	0.5 %	-0.1 %

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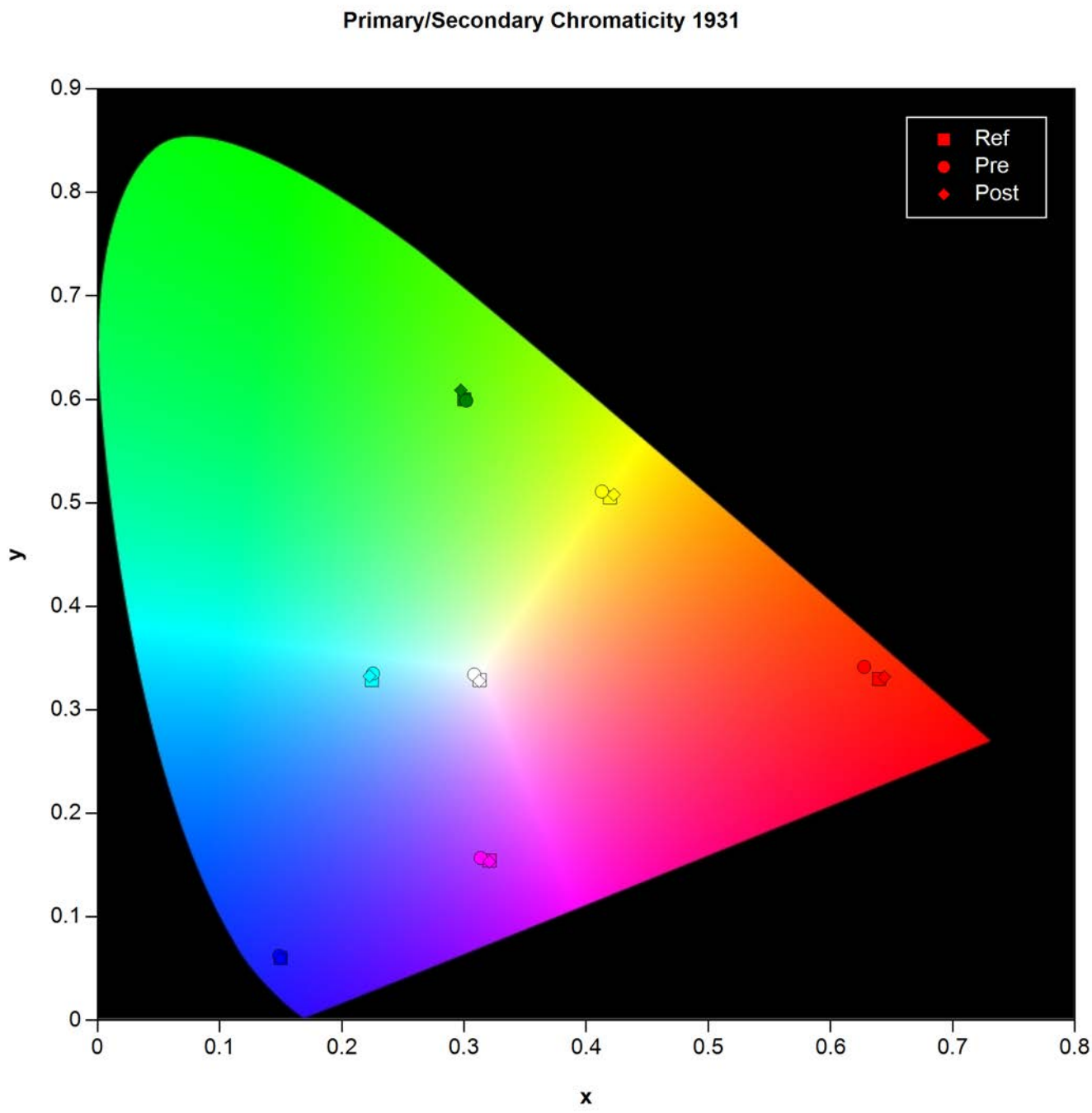
CIE Chart



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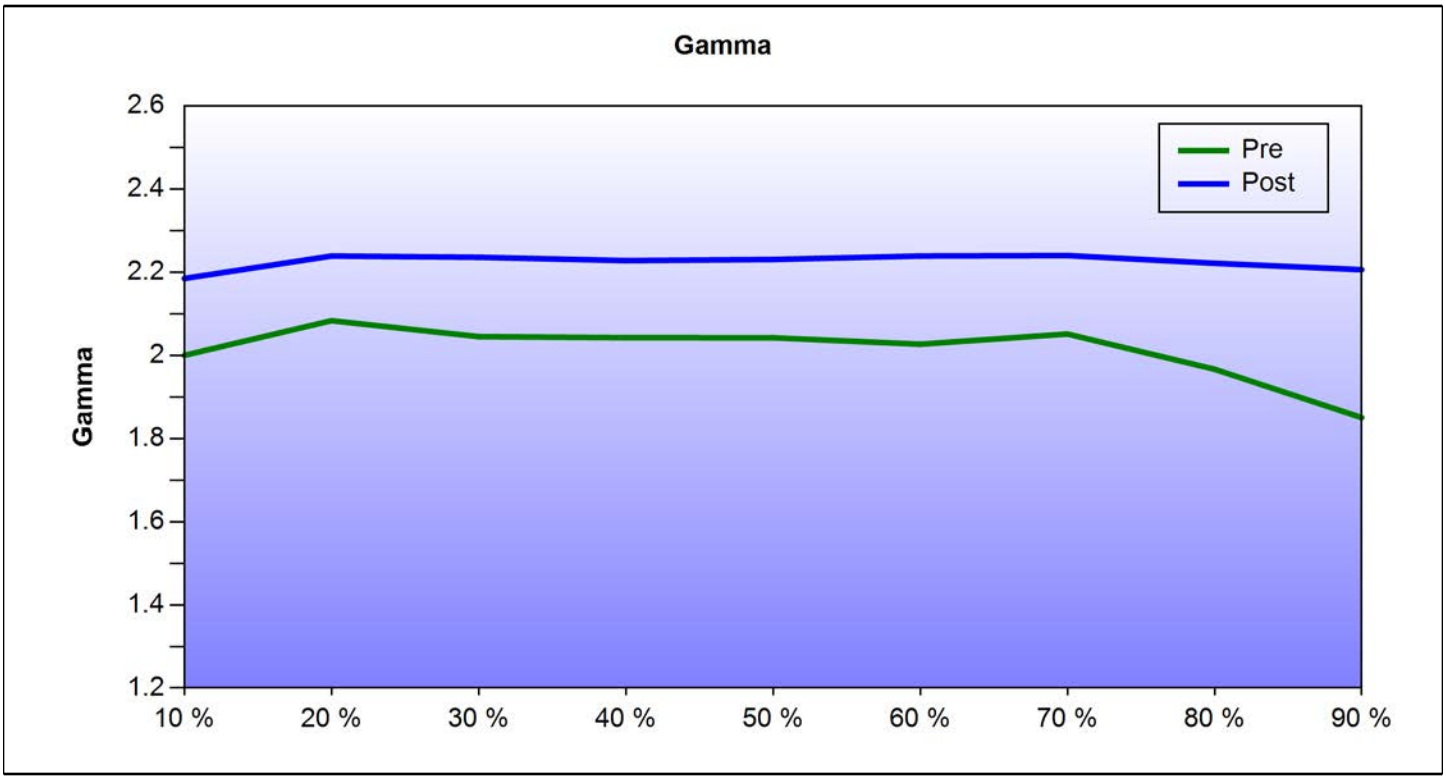
Gamma



Y

Input	Pre	Post
10 %	1.01	0.78
20 %	3.52	3.24
30 %	8.58	8.06
40 %	15.50	15.44
50 %	24.45	25.34
60 %	35.76	37.89
70 %	48.45	53.49
80 %	64.93	72.44
90 %	82.87	94.26
100 %	100.71	118.92

Gamma

Input	Pre	Post
10 %	2.00	2.19
20 %	2.08	2.24
30 %	2.05	2.24
40 %	2.04	2.23
50 %	2.04	2.23
60 %	2.03	2.24
70 %	2.05	2.24
80 %	1.97	2.22
90 %	1.85	2.21
100 %	0.00	0.00