



# ChromaPure Detailed Calibration Report

Technician: ChromaPure User

Company: ChromaPure Video Calibration Software

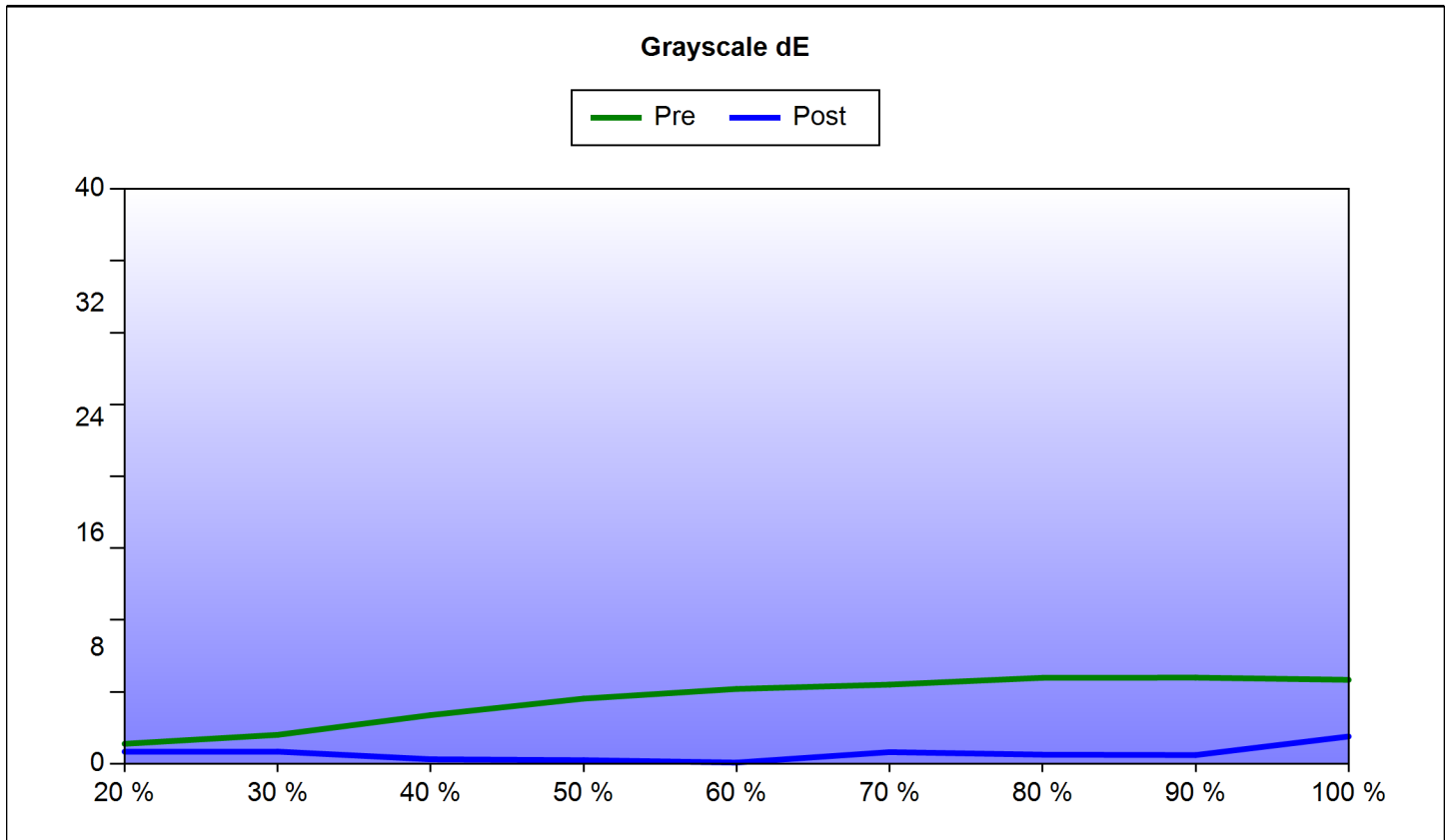
## Grayscale Performance

### Grayscale Before

% Stimulus	x	y	CCT	dE
20 %	0.316	0.331	6,329	1.4
30 %	0.310	0.330	6,672	2.0
40 %	0.305	0.329	6,915	3.4
50 %	0.302	0.327	7,166	4.5
60 %	0.299	0.324	7,388	5.2
70 %	0.297	0.323	7,479	5.5
80 %	0.296	0.321	7,623	6.0
90 %	0.296	0.320	7,653	6.0
100 %	0.297	0.318	7,611	5.8
<b>Average</b>				4.4

### Grayscale After

% Stimulus	x	y	CCT	dE
20 %	0.311	0.328	6,612	0.8
30 %	0.313	0.331	6,470	0.8
40 %	0.312	0.329	6,521	0.3
50 %	0.312	0.329	6,528	0.2
60 %	0.313	0.329	6,515	0.1
70 %	0.311	0.328	6,609	0.8
80 %	0.311	0.328	6,580	0.6
90 %	0.312	0.328	6,560	0.6
100 %	0.311	0.325	6,640	1.9
<b>Average</b>				0.7



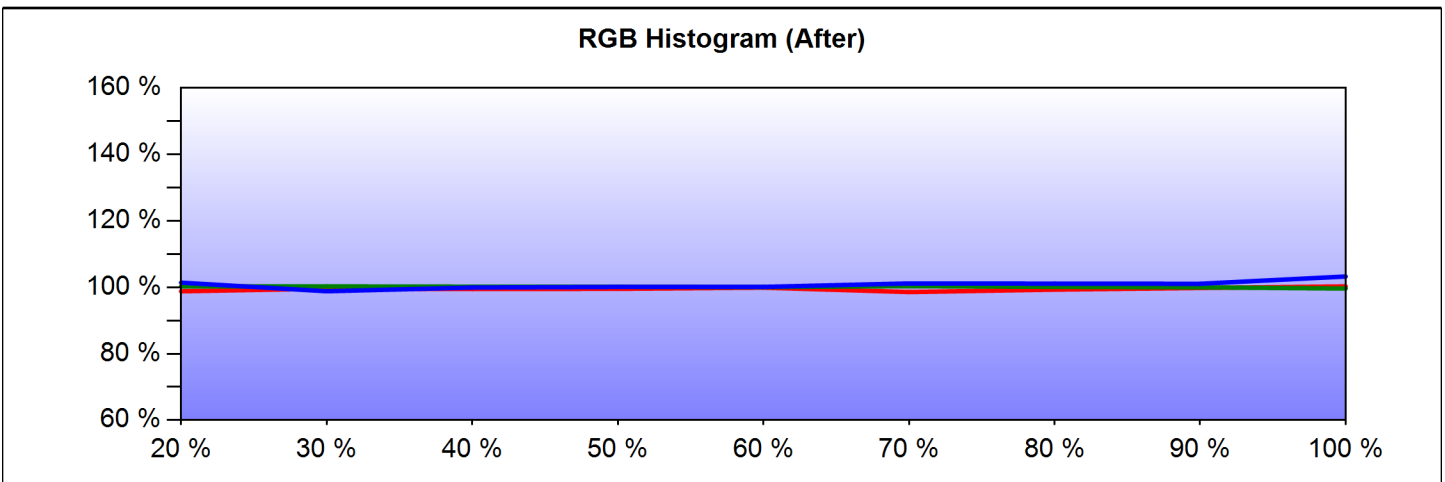
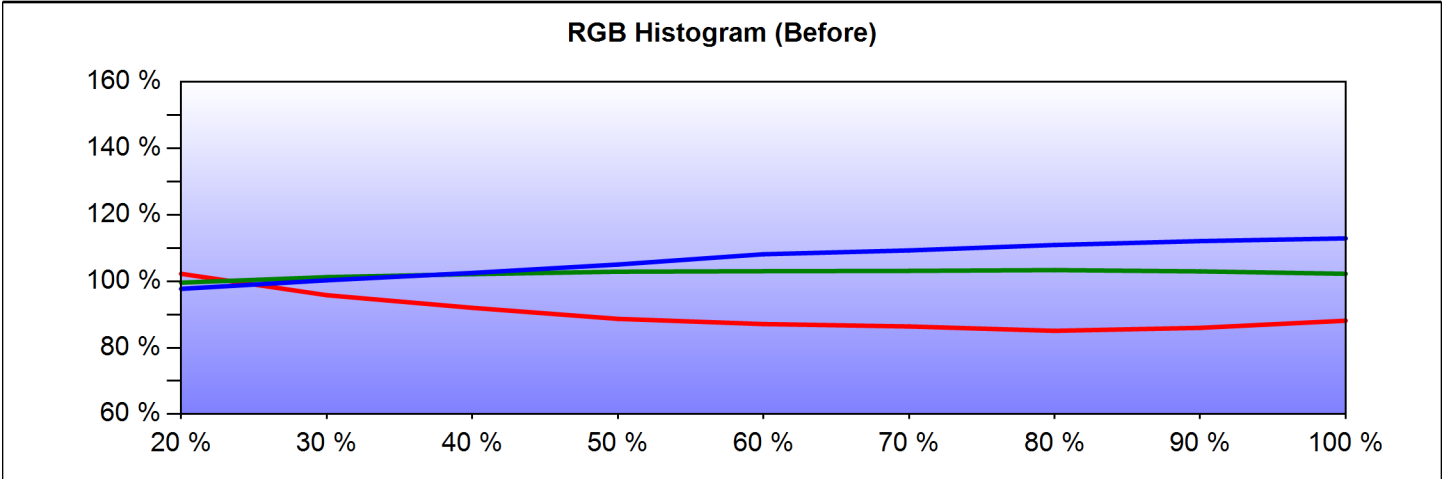


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## RGB Histogram Chart



### RGB Before

% Stimulus	Red	Green	Blue
20 %	102.2 %	99.6 %	97.7 %
30 %	95.8 %	101.2 %	100.3 %
40 %	92.0 %	102.1 %	102.5 %
50 %	88.7 %	102.9 %	105.0 %
60 %	87.1 %	103.0 %	108.1 %
70 %	86.4 %	103.1 %	109.3 %
80 %	85.1 %	103.4 %	110.9 %
90 %	86.0 %	103.0 %	112.1 %
100 %	88.1 %	102.2 %	112.9 %
<b>Average</b>	<b>90.2 %</b>	<b>102.3 %</b>	<b>106.5 %</b>

### RGB After

% Stimulus	Red	Green	Blue
20 %	98.8 %	100.2 %	101.4 %
30 %	99.6 %	100.3 %	98.8 %
40 %	99.5 %	100.2 %	99.9 %
50 %	99.5 %	100.1 %	100.1 %
60 %	99.9 %	100.0 %	100.1 %
70 %	98.6 %	100.3 %	101.1 %
80 %	99.3 %	100.1 %	101.1 %
90 %	99.8 %	100.0 %	101.0 %
100 %	100.3 %	99.6 %	103.2 %
<b>Average</b>	<b>99.5 %</b>	<b>100.1 %</b>	<b>100.8 %</b>

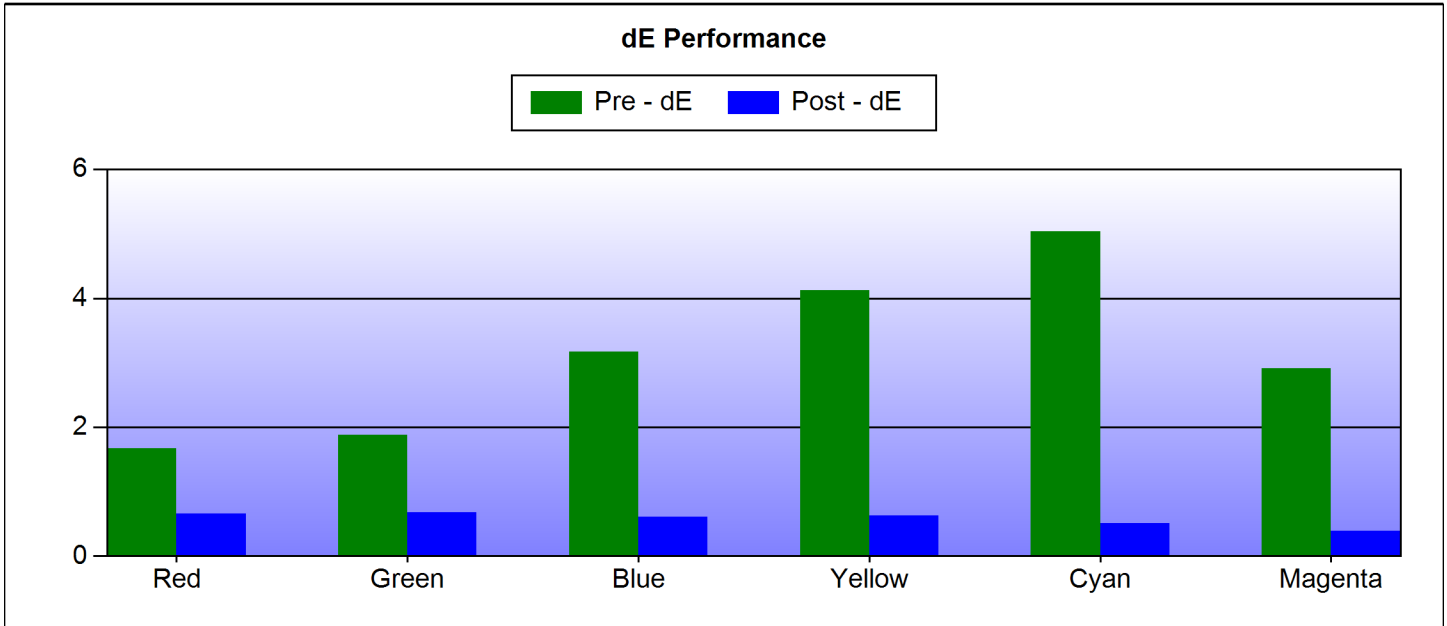


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## Chromaticity Performance



### 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	0.624	0.337	0.207	1.7
Green	0.300	0.582	0.747	1.9
Blue	0.145	0.057	0.085	3.2
Yellow	0.400	0.507	0.927	4.1
Cyan	0.221	0.311	0.813	5.0
Magenta	0.297	0.146	0.287	2.9
White	0.296	0.318	60.042	5.9
<b>Average</b>				<b>3.5</b>

### After Calibration

Color	x	y	Y	dE
Red	0.637	0.329	0.211	0.7
Green	0.297	0.599	0.716	0.7
Blue	0.148	0.061	0.072	0.6
Yellow	0.418	0.509	0.932	0.6
Cyan	0.225	0.329	0.777	0.5
Magenta	0.321	0.155	0.282	0.4
White	0.311	0.331	48.743	1.8
<b>Average</b>				<b>0.7</b>

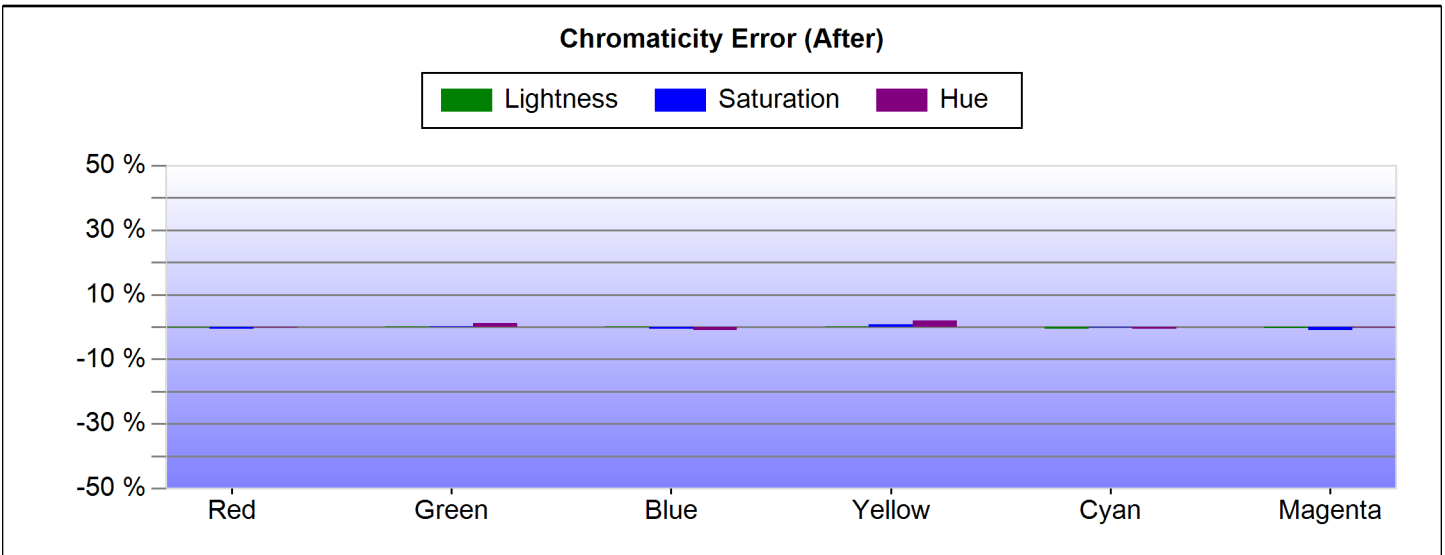
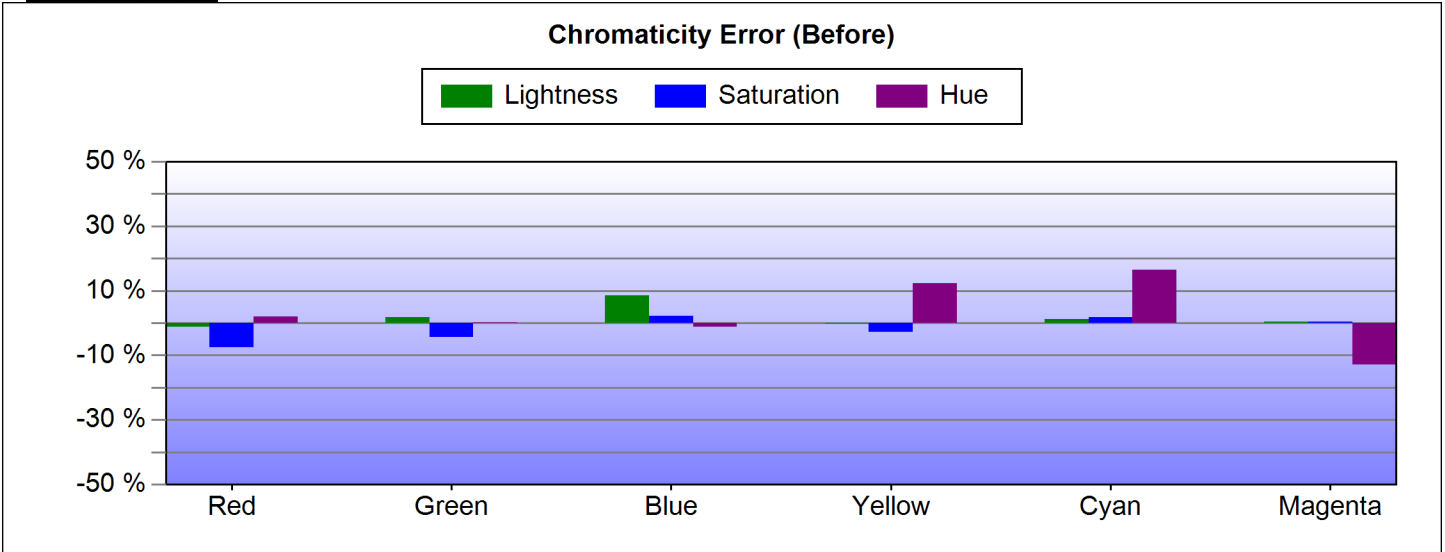
## Lightness, Saturation, and Hue Error



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## Before Calibration

Color	Lightness	Saturation	Hue
Red	-1.2 %	-7.6 %	2.0 %
Green	1.7 %	-4.3 %	0.2 %
Blue	8.5 %	2.2 %	-1.2 %
Yellow	0.0 %	-2.8 %	12.3 %
Cyan	1.3 %	1.7 %	16.5 %
Magenta	0.4 %	0.4 %	-12.9 %

## After Calibration

Color	Lightness	Saturation	Hue
Red	-0.3 %	-0.6 %	-0.2 %
Green	0.1 %	0.3 %	1.2 %
Blue	0.2 %	-0.5 %	-0.9 %
Yellow	0.2 %	0.8 %	2.1 %
Cyan	-0.5 %	-0.2 %	-0.6 %
Magenta	-0.5 %	-0.9 %	0.0 %

## CIE Chart

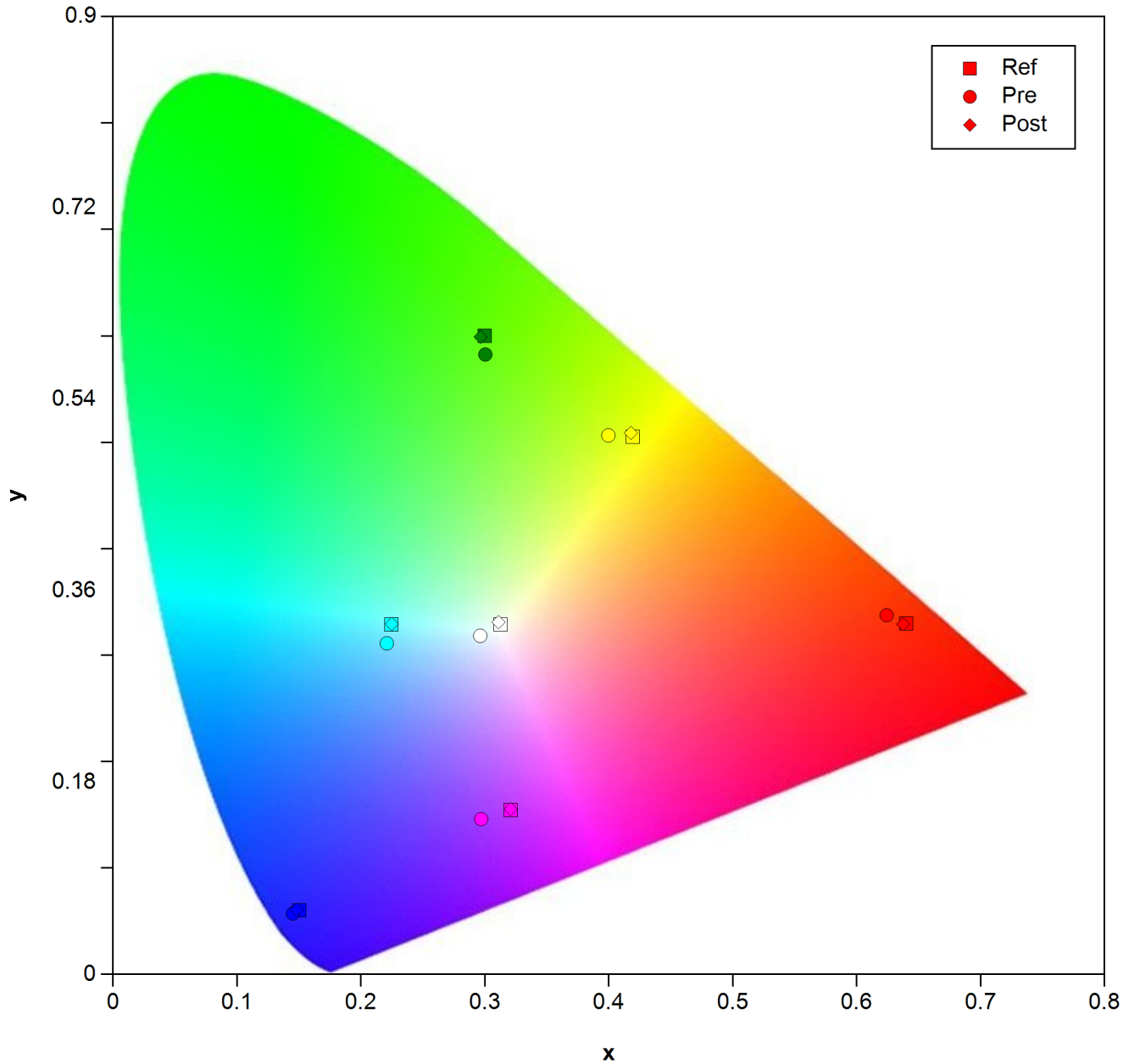


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Primary/Secondary Chromaticity 1931



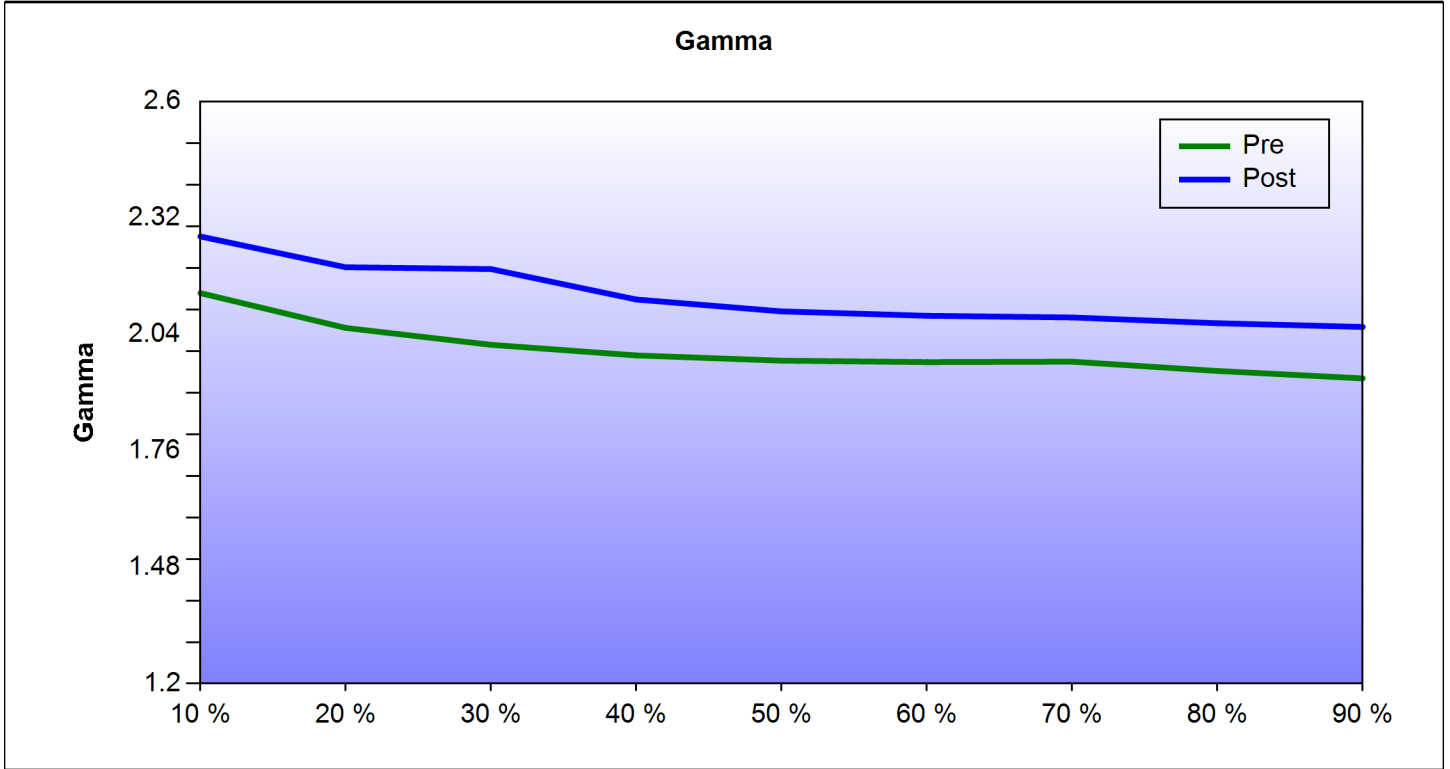


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## Gamma



### Y

Input	Pre	Post
10 %	0.44	0.27
20 %	2.20	1.46
30 %	5.31	3.59
40 %	9.70	7.22
50 %	15.26	11.83
60 %	21.92	17.43
70 %	29.70	24.07
80 %	38.86	31.88
90 %	49.00	40.70

### Gamma

Input	Pre	Post
10 %	2.14	2.28
20 %	2.06	2.20
30 %	2.02	2.20
40 %	1.99	2.12
50 %	1.98	2.10
60 %	1.97	2.09
70 %	1.97	2.08
80 %	1.95	2.07
90 %	1.93	2.06