

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=5\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$

9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4$

<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> * <i>Ma</i>	<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> * <i>Ma</i>
r00j=R	30.0	1.0	0.0	0.17	0.641 25.5	1.000 0.000 0.000	c'00b=C'	210.0	0.0	0.926 1.0	0.593 217.0 0.000 1.000 1.000
r12j	36.6	1.0	0.0	0.017	0.862 33.8	1.000 0.125 0.000	c'12b	216.6	0.0	0.901 1.0	0.794 223.8 0.000 0.875 1.000
r25j	43.9	1.0	0.222	0.0	0.774 42.2	1.000 0.250 0.000	c'25b	223.9	0.0	0.876 1.0	0.995 230.7 0.000 0.750 1.000
r37j	51.8	1.0	0.353	0.0	0.828 50.5	1.000 0.375 0.000	c'37b	231.8	0.0	0.84 1.0	0.281 237.5 0.000 0.625 1.000
r50j	60.0	1.0	0.466	0.0	0.724 58.9	1.000 0.500 0.000	c'50b	240.0	0.0	0.804 1.0	0.57 244.4 0.000 0.500 1.000
r62j	68.2	1.0	0.573	0.0	0.584 67.2	1.000 0.625 0.000	c'62b	248.2	0.0	0.768 1.0	0.858 251.2 0.000 0.375 1.000
r75j	76.1	1.0	0.677	0.0	0.418 75.6	1.000 0.750 0.000	c'75b	256.1	0.0	0.723 1.0	0.216 258.0 0.000 0.250 1.000
r87j	83.4	1.0	0.78	0.0	0.238 84.0	1.000 0.875 0.000	c'87b	263.4	0.0	0.67 1.0	0.641 264.9 0.000 0.125 1.000
j00g=J	90.0	1.0	0.883	0.0	0.064 92.3	1.000 1.000 0.000	b00m=B	270.0	0.0	0.613 1.0	0.1 271.7 0.000 0.000 1.000
j12g	96.6	1.0	0.985	0.0	0.882 101.1	0.875 1.000 0.000	b12m'	276.6	0.0	0.531 1.0	0.755 278.8 0.125 0.000 1.000
j25g	103.9	0.893	1.0	0.0	0.859 109.8	0.750 1.000 0.000	b25m'	283.9	0.0	0.432 1.0	0.543 286.0 0.250 0.000 1.000
j37g	111.8	0.708	1.0	0.0	0.339 118.5	0.625 1.000 0.000	b37m'	291.8	0.0	0.308 1.0	0.532 293.1 0.375 0.000 1.000
j50g	120.0	0.43	1.0	0.0	0.562 127.3	0.500 1.000 0.000	b50m'	300.0	0.0	0.139 1.0	0.887 300.2 0.500 0.000 1.000
j62g	128.2	0.0	1.0	0.145	0.164 136.0	0.375 1.000 0.000	b62m'	308.2	0.386	0.0	0.088 307.3 0.625 0.000 1.000
j75g	136.1	0.0	1.0	0.409	0.274 144.7	0.250 1.000 0.000	b75m'	316.1	0.683	0.0	0.462 314.4 0.750 0.000 1.000
j87g	143.4	0.0	1.0	0.621	0.967 153.5	0.125 1.000 0.000	b87m'	323.4	0.896	0.0	0.171 321.5 0.875 0.000 1.000
g00c'=G	150.0	0.0	1.0	0.775	0.196 162.2	0.000 1.000 0.000	m'00r=M	330.0	1.0	0.0	0.974 321 328.6 1.000 0.000 1.000
g12c'	156.6	0.0	1.0	0.866	0.92 169.1	0.000 1.000 0.125	m'12r	336.6	1.0	0.0	0.888 0.895 335.7 1.000 0.000 0.875
g25c'	163.9	0.0	1.0	0.903	0.226 175.9	0.000 1.000 0.250	m'25r	343.9	1.0	0.0	0.766 0.875 342.8 1.000 0.000 0.750
g37c'	171.8	0.0	1.0	0.935	0.479 182.6	0.000 1.000 0.375	m'37r	351.8	1.0	0.0	0.641 0.871 349.9 1.000 0.000 0.625
g50c'	180.0	0.0	1.0	0.967	0.733 189.6	0.000 1.000 0.500	m'50r	360.0	1.0	0.0	0.529 0.764 357.0 1.000 0.000 0.500
g62c'	188.2	0.0	1.0	0.998	0.987 196.3	0.000 1.000 0.625	m'62r	368.2	1.0	0.0	0.431 0.554 4.2 1.000 0.000 0.375
g75c'	196.1	0.0	0.976	1.0	0.191 203.3	0.000 1.000 0.750	m'75r	376.1	1.0	0.0	0.339 0.289 11.3 1.000 0.000 0.250
g87c'	203.4	0.0	0.951	1.0	0.392 210.1	0.000 1.000 0.875	m'87r	383.4	1.0	0.0	0.251 0.995 18.4 1.000 0.000 0.125

LE030-3N, 2

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=10\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$

9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> * <i>Ma</i>	<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> * <i>Ma</i>
r00j=R	30.0	1.0	0.0	0.138	0.899 25.5	1.000 0.000 0.000	c'00b=C'	210.0	0.0	0.928 1.0	0.58 217.0 0.000 1.000 1.000
r12j	36.6	1.0	0.142	0.0	0.134 33.8	1.000 0.125 0.000	c'12b	216.6	0.0	0.903 1.0	0.778 223.8 0.000 0.875 1.000
r25j	43.9	1.0	0.286	0.0	0.288 42.2	1.000 0.250 0.000	c'25b	223.9	0.0	0.878 1.0	0.977 230.7 0.000 0.750 1.000
r37j	51.8	1.0	0.402	0.0	0.214 50.5	1.000 0.375 0.000	c'37b	231.8	0.0	0.843 1.0	0.257 237.5 0.000 0.625 1.000
r50j	60.0	1.0	0.503	0.0	0.023 58.9	1.000 0.500 0.000	c'50b	240.0	0.0	0.807 1.0	0.547 244.4 0.000 0.500 1.000
r62j	68.2	1.0	0.6	0.0	0.799 67.2	1.000 0.625 0.000	c'62b	248.2	0.0	0.77 1.0	0.837 251.2 0.000 0.375 1.000
r75j	76.1	1.0	0.693	0.0	0.546 75.6	1.000 0.750 0.000	c'75b	256.1	0.0	0.726 1.0	0.193 258.0 0.000 0.250 1.000
r87j	83.4	1.0	0.786	0.0	0.292 84.0	1.000 0.875 0.000	c'87b	263.4	0.0	0.671 1.0	0.632 264.9 0.000 0.125 1.000
j00g=J	90.0	1.0	0.881	0.0	0.047 92.3	1.000 1.000 0.000	b00m=B	270.0	0.0	0.612 1.0	0.108 271.7 0.000 0.000 1.000
j12g	96.6	1.0	0.977	0.0	0.814 101.1	0.875 1.000 0.000	b12m'	276.6	0.0	0.525 1.0	0.797 278.8 0.125 0.000 0.875
j25g	103.9	0.91	1.0	0.0	0.721 109.8	0.750 1.000 0.000	b25m'	283.9	0.0	0.418 1.0	0.656 286.0 0.250 0.000 1.000
j37g	111.8	0.748	1.0	0.0	0.013 118.5	0.625 1.000 0.000	b37m'	291.8	0.0	0.278 1.0	0.78 293.1 0.375 0.000 1.000
j50g	120.0	0.498	1.0	0.0	0.013 127.3	0.500 1.000 0.000	b50m'	300.0	0.033	0.0	0.26 300.2 0.500 0.000 1.000
j62g	128.2	0.0	1.0	0.059	0.147 136.0	0.375 1.000 0.000	b62m'	308.2	0.467	0.0	0.736 307.3 0.625 0.000 1.000
j75g	136.1	0.0	1.0	0.396	0.167 144.7	0.250 1.000 0.000	b75m'	316.1	0.721	0.0	0.765 314.4 0.750 0.000 1.000
j87g	143.4	0.0	1.0	0.619	0.948 153.5	0.125 1.000 0.000	b87m'	323.4	0.91	0.0	0.276 321.5 0.875 0.000 1.000
g00c'=G	150.0	0.0	1.0	0.775	0.2 162.2	0.000 1.000 0.000	m'00r=M	330.0	1.0	0.0	0.97 0.239 328.6 1.000 0.000 1.000
g12c'	156.6	0.0	1.0	0.866	0.927 169.1	0.000 1.000 0.125	m'12r	336.6	1.0	0.0	0.887 0.902 335.7 1.000 0.000 0.875
g25c'	163.9	0.0	1.0	0.903	0.226 175.9	0.000 1.000 0.250	m'25r	343.9	1.0	0.0	0.767 0.86 342.8 1.000 0.000 0.750
g37c'	171.8	0.0	1.0	0.935	0.477 182.6	0.000 1.000 0.375	m'37r	351.8	1.0	0.0	0.644 0.848 349.9 1.000 0.000 0.625
g50c'	180.0	0.0	1.0	0.966	0.728 189.6	0.000 1.000 0.500	m'50r	360.0	1.0	0.0	0.531 0.756 357.0 1.000 0.000 0.500
g62c'	188.2	0.0	1.0	0.997	0.979 196.3	0.000 1.000 0.625	m'62r	368.2	1.0	0.0	0.428 0.578 4.2 1.000 0.000 0.375
g75c'	196.1	0.0	0.977	1.0	0.182 203.3	0.000 1.000 0.750	m'75r	376.1	1.0	0.0	0.329 0.266 11.3 1.000 0.000 0.250
g87c'	203.4	0.0	0.952	1.0	0.381 210.1	0.000 1.000 0.875	m'87r	383.4	1.0	0.0	0.233 0.14 18.4 1.000 0.000 0.125

LE030-7N, 2

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=20\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$

9 step equidistant grey scale: $L^* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4$

<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> * <i>Ma</i>	<i>u</i> * <i>Ma</i>	<i>h</i> _{rgb}	<i>o</i> <i>v</i> * <i>Ma</i> _e	<i>A</i> 2	<i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> * <i>Ma</i>
r00j=R	30.0	1.0	0.0	0.04	0.68 25.5	1.000 0.000 0.000	c'00b=C'	210.0	0.0	0.931 1.0	0.556 217.0 0.000 1.000 1.000
r12j	36.6	1.0	0.22	0.0	0.761 33.8	1.000 0.125 0.000	c'12b	216.6	0.0	0.906 1.0	0.75 223.8 0.000 0.875 1.000
r25j	43.9	1.0	0.347	0.0	0.778 42.2	1.000 0.250 0.000	c'25b	223.9	0.0	0.882 1.0	0.945 230.7 0.000 0.750 1.000
r37j	51.8	1.0	0.449	0.0	0.59 50.5	1.000 0.375 0.000	c'37b	231.8	0.0	0.849 1.0	0.211 237.5 0.000 0.625 1.000
r50j	60.0	1.0	0.541	0.0	0.329 58.9	1.000 0.500 0.000	c'50b	240.0	0.0	0.812 1.0	0.506 244.4 0.000 0.500 1.000
r62j	68.2	1.0	0.629	0.0	0.033 67.2	1.000 0.625 0.000	c'62b	248.2	0.0	0.775 1.0	0.801 251.2 0.000 0.375 1.000
r75j	76.1	1.0	0.711	0.0	0.689 75.6	1.000 0.750 0.000	c'75b	256.1	0.0	0.731 1.0	0.151 258.0 0.000 0.250 1.000
r87j	83.4	1.0	0.794	0.0	0.354 84.0	1.000 0.875 0.000	c'87b	263.4	0.0	0.673 1.0	0.615 264.9 0.000 0.125 1.000
j00g=J	90.0	1.0	0.878	0.0	0.026 92.3	1.000 1.000 0.000	b00m'=B	270.0	0.0	0.61 1.0	0.121 271.7 0.000 0.000 1.000
j12g	96.6	1.0	0.965	0.0	0.724 101.1	0.875 1.000 0.000	b12m'	276.6	0.0	0.516 1.0	0.87 278.8 0.125 0.000 1.000
j25g	103.9	0.933	1.0	0.0	0.535 109.8	0.750 1.000 0.000	b25m'	283.9	0.0	0.393 1.0	0.855 286.0 0.250 0.000 1.000
j37g	111.8	0.793	1.0	0.0	0.652 118.5	0.625 1.000 0.000	b37m'	291.8	0.0	0.212 1.0	0.307 293.1 0.375 0.000 1.000
j50g	120.0	0.576	1.0	0.0	0.389 127.3	0.500 1.000 0.000	b50m'	300.0	0.27	0.0	0.158 300.2 0.500 0.000 1.000
j62g	128.2	0.182	1.0	0.0	0.547 136.0	0.375 1.000 0.000	b62m'	308.2	0.557	0.0	0.456 307.3 0.625 0.000 1.000
j75g	136.1	0.0	1.0	0.371	0.968 144.7	0.250 1.000 0.000	b75m'	316.1	0.769	0.0	0.154 314.4 0.750 0.000 1.000
j87g	143.4	0.0	1.0	0.614	0.914 153.5	0.125 1.000 0.000	b87m'	323.4	0.929	0.0	0.434 321.5 0.875 0.000 1.000
g00c'=G	150.0	0.0	1.0	0.776	0.207 162.2	0.000 1.000 0.000	m'00r=M	330.0	1.0	0.0	0.964 0.286 328.6 1.000 0.000 1.000
g12c'	156.6	0.0	1.0	0.867	0.939 169.1	0.000 1.000 0.125	m'12r	336.6	1.0	0.0	0.886 0.913 335.7 1.000 0.000 0.875
g25c'	163.9	0.0	1.0	0.903	0.226 175.9	0.000 1.000 0.250	m'25r	343.9	1.0	0.0	0.77 0.839 342.8 1.000 0.000 0.750
g37c'	171.8	0.0	1.0	0.934	0.472 182.8	0.000 1.000 0.375	m'37r	351.8	1.0	0.0	0.648 0.814 349.9 1.000 0.000 0.625
g50c'	180.0	1.0	0.965	0.719	189.6	0.000 1.000 0.500	m'50r	360.0	1.0	0.0	0.532 0.743 357.0 1.000 0.000 0.500
g62c'	188.2	0.0	1.0	0.996	0.965 196.4	0.000 1.000 0.625	m'62r	368.2	1.0	0.0	0.423 0.615 4.2 1.000 0.000 0.375
g75c'	196.1	0.0	0.979	1.0	0.167 203.3	0.000 1.000 0.750	m'75r	376.1	1.0	0.0	0.315 0.483 11.3 1.000 0.000 0.250
g87c'	203.4	0.0	0.955	1.0	0.361 210.1	0.000 1.000 0.875	m'87r	383.4	1.0	0.0	0.203 0.374 18.4 1.000 0.000 0.125