

Interpretation $rgb \rightarrow rgb^*$ 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 $OYL\bar{C}VM: h_{ab,a} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$
9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4$

u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	1.0	0.0	0.17	0.359	0.641	1.000	0.000	0.000
r12j	36.6	1.0	0.0	0.017	0.138	0.862	1.000	0.125	0.000
r25j	43.9	1.0	0.222	0.0	0.226	0.774	1.000	0.250	0.000
r37j	51.8	1.0	0.353	0.0	0.172	0.828	1.000	0.375	0.000
r50j	60.0	1.0	0.466	0.0	0.276	0.724	1.000	0.500	0.000
r62j	68.2	1.0	0.573	0.0	0.416	0.584	1.000	0.625	0.000
r75j	76.1	1.0	0.677	0.0	0.582	0.418	1.000	0.750	0.000
r87j	83.4	1.0	0.78	0.0	0.762	0.238	1.000	0.875	0.000
j00g=J	90.0	1.0	0.883	0.0	0.936	0.064	1.000	1.000	0.000
j12g	96.6	1.0	0.985	0.0	0.118	0.882	0.875	1.000	0.000
j25g	103.9	0.893	1.0	0.0	0.141	0.859	0.750	1.000	0.000
j37g	111.8	0.708	1.0	0.0	0.661	0.339	0.625	1.000	0.000
j50g	120.0	0.43	1.0	0.0	0.438	0.562	0.500	1.000	0.000
j62g	128.2	0.0	1.0	0.145	0.836	0.164	0.375	1.000	0.000
j75g	136.1	0.0	1.0	0.409	0.726	0.274	0.250	1.000	0.000
j87g	143.4	0.0	1.0	0.621	0.033	0.967	0.125	1.000	0.000
g00c=G	150.0	0.0	1.0	0.775	0.804	0.196	0.000	1.000	0.000
g12c	156.6	0.0	1.0	0.865	0.08	0.92	0.000	1.000	0.125
g25c	163.9	0.0	1.0	0.903	0.774	0.226	0.000	1.000	0.250
g37c	171.8	0.0	1.0	0.935	0.521	0.479	0.000	1.000	0.375
g50c	180.0	0.0	1.0	0.967	0.267	0.733	0.000	1.000	0.500
g62c	188.2	0.0	1.0	0.998	0.013	0.979	0.000	1.000	0.625
g75c	196.1	0.0	0.976	1.0	0.809	0.191	0.000	1.000	0.750
g87c	203.4	0.0	0.951	1.0	0.608	0.392	0.000	1.000	0.875

KE830-3N, 2

Interpretation $rgb \rightarrow rgb^*$ 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 $OYL\bar{C}VM: h_{ab,a} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$
9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	1.0	0.0	0.138	0.101	0.899	1.000	0.000	0.000
r12j	36.6	1.0	0.142	0.0	0.866	0.134	1.000	0.125	0.000
r25j	43.9	1.0	0.286	0.0	0.712	0.288	1.000	0.250	0.000
r37j	51.8	1.0	0.402	0.0	0.786	0.214	1.000	0.375	0.000
r50j	60.0	1.0	0.503	0.0	0.977	0.023	1.000	0.500	0.000
r62j	68.2	1.0	0.6	0.0	0.201	0.799	1.000	0.625	0.000
r75j	76.1	1.0	0.693	0.0	0.454	0.546	1.000	0.750	0.000
r87j	83.4	1.0	0.786	0.0	0.708	0.292	1.000	0.875	0.000
j00g=J	90.0	1.0	0.881	0.0	0.953	0.047	1.000	1.000	0.000
j12g	96.6	1.0	0.977	0.0	0.186	0.814	0.875	1.000	0.000
j25g	103.9	0.91	1.0	0.0	0.279	0.721	0.750	1.000	0.000
j37g	111.8	0.748	1.0	0.0	0.987	0.013	0.625	1.000	0.000
j50g	120.0	0.498	1.0	0.0	0.987	0.013	0.500	1.000	0.000
j62g	128.2	0.0	1.0	0.059	0.528	0.472	0.375	1.000	0.000
j75g	136.1	0.0	1.0	0.396	0.833	0.167	0.250	1.000	0.000
j87g	143.4	0.0	1.0	0.619	0.052	0.948	0.125	1.000	0.000
g00c=G	150.0	0.0	1.0	0.775	0.8	0.2	0.000	1.000	0.000
g12c	156.6	0.0	1.0	0.866	0.073	0.927	0.000	1.000	0.125
g25c	163.9	0.0	1.0	0.903	0.774	0.226	0.000	1.000	0.250
g37c	171.8	0.0	1.0	0.935	0.523	0.477	0.000	1.000	0.375
g50c	180.0	0.0	1.0	0.966	0.272	0.728	0.000	1.000	0.500
g62c	188.2	0.0	1.0	0.997	0.021	0.979	0.000	1.000	0.625
g75c	196.1	0.0	0.977	1.0	0.818	0.182	0.000	1.000	0.750
g87c	203.4	0.0	0.952	1.0	0.619	0.381	0.000	1.000	0.875

KE830-7N, 2

Interpretation $rgb \rightarrow rgb^*$ 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 $OYL\bar{C}VM: h_{ab,a} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$
9 step equidistant grey scale: $L^* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4$

u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	1.0	0.0	0.04	0.32	0.68	1.000	0.000	0.000
r12j	36.6	1.0	0.22	0.0	0.239	0.761	1.000	0.125	0.000
r25j	43.9	1.0	0.347	0.0	0.222	0.778	1.000	0.250	0.000
r37j	51.8	1.0	0.449	0.0	0.41	0.59	1.000	0.375	0.000
r50j	60.0	1.0	0.541	0.0	0.671	0.329	1.000	0.500	0.000
r62j	68.2	1.0	0.629	0.0	0.967	0.033	1.000	0.625	0.000
r75j	76.1	1.0	0.711	0.0	0.311	0.689	1.000	0.750	0.000
r87j	83.4	1.0	0.794	0.0	0.646	0.354	1.000	0.875	0.000
j00g=J	90.0	1.0	0.878	0.0	0.974	0.026	1.000	1.000	0.000
j12g	96.6	1.0	0.965	0.0	0.276	0.724	0.875	1.000	0.000
j25g	103.9	0.933	1.0	0.0	0.465	0.535	0.750	1.000	0.000
j37g	111.8	0.793	1.0	0.0	0.348	0.652	0.625	1.000	0.000
j50g	120.0	0.576	1.0	0.0	0.611	0.389	0.500	1.000	0.000
j62g	128.2	0.182	1.0	0.0	0.453	0.547	0.375	1.000	0.000
j75g	136.1	0.0	1.0	0.371	0.032	0.968	0.250	1.000	0.000
j87g	143.4	0.0	1.0	0.614	0.086	0.914	0.125	1.000	0.000
g00c=G	150.0	0.0	1.0	0.776	0.973	0.207	0.000	1.000	0.000
g12c	156.6	0.0	1.0	0.867	0.061	0.939	0.000	1.000	0.125
g25c	163.9	0.0	1.0	0.903	0.774	0.226	0.000	1.000	0.250
g37c	171.8	0.0	1.0	0.934	0.528	0.472	0.000	1.000	0.375
g50c	180.0	0.0	1.0	0.965	0.281	0.719	0.000	1.000	0.500
g62c	188.2	0.0	1.0	0.996	0.035	0.965	0.000	1.000	0.625
g75c	196.1	0.0	0.979	1.0	0.833	0.167	0.000	1.000	0.750
g87c	203.4	0.0	0.955	1.0	0.639	0.361	0.000	1.000	0.875

KE831-3N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle
for a LECD low glossy display with the luminance reflection $L_r=40\%$ 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 $OYL\bar{C}VM: h_{ab,a} = 23.2, 106.5, 139.9, 198.2, 293.2, 324.2$
9 step equidistant grey scale: $L^* = 69.7, 72.9, 76.1, 79.3, 82.5, 85.8, 89.0, 92.2, 95.4$

u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	olv^*Ma	$A1/A2$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	1.0	0.128	0.0	0.973	0.027	1.000	0.000	0.000
r12j	36.6	1.0	0.285	0.0	0.72	0.28	1.000	0.125	0.000
r25j	43.9	1.0	0.401	0.0	0.795	0.205	1.000	0.250	0.000
r37j	51.8	1.0	0.495	0.0	0.041	0.959	1.000	0.375	0.000
r50j	60.0	1.0	0.578	0.0	0.379	0.621	1.000	0.500	0.000
r62j	68.2	1.0	0.656	0.0	0.753	0.247	1.000	0.625	0.000
r75j	76.1	1.0	0.729	0.0	0.169	0.831	1.000	0.750	0.000
r87j	83.4	1.0	0.802	0.0	0.584	0.416	1.000	0.875	0.000
j00g=J	90.0	1.0	0.875	0.0	0.997	0.003	1.000	1.000	0.000
j12g	96.6	1.0	0.952	0.0	0.382	0.618	0.875	1.000	0.000
j25g	103.9	0.961	1.0	0.0	0.689	0.311	0.750	1.000	0.000
j37g	111.8	0.848	1.0	0.0	0.784	0.216	0.625	1.000	0.000
j50g	120.0	0.661	1.0	0.0	0.29	0.71	0.500	1.000	0.000
j62g	128.2	0.344	1.0	0.0	0.749	0.251	0.375	1.000	0.000
j75g	136.1	0.0	1.0	0.321	0.434	0.566	0.250	1.000	0.000
j87g	143.4	0.0	1.0	0.607	0.144	0.856	0.125	1.000	0.000
g00c=G	150.0	0.0	1.0	0.777	0.882	0.218	0.000	1.000	0.000
g12c	156.6	0.0	1.0	0.87	0.041	0.959	0.000	1.000	0.125
g25c	163.9	0.0	1.0	0.903	0.775	0.225	0.000	1.000	0.250
g37c	171.8	0.0	1.0	0.933	0.536	0.464	0.000	1.000	0.375
g50c	180.0	0.0	1.0	0.963	0.298	0.702	0.000	1.000	0.500
g62c	188.2	0.0	1.0	0.993	0.059	0.941	0.000	1.000	0.625
g75c	196.1	0.0	0.982	1.0	0.859	0.141	0.000	1.000	0.750
g87c	203.4	0.0	0.959	1.0	0.67	0.33	0.000	1.000	0.875

KE831-7N, 2

TUB-test chart KE83; 48 step LECD elementary hue circle
Interpretation $rgb \rightarrow rgb^*$ and olv^* data of colours Ma

input: $rgb \rightarrow rgb^* \text{ setrgbcolor}$
output: no change compared to input