Interpretation *rgb* −> *olv and CIELAB data of a 48 step device hue circle**
for a LECD low glossy display with the luminance reflection L_r=5% compared to the white reference (100%)
48 step device hue circle with six device hues *OYLCVM*: $h_{ab,a}$ = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4
comparison with four elementary hues *RJGB*: $h_{ab,a}$ = 25.5, 92.3, 162.2, 271.7, and *C' M'* = 217.0, 328.6
9 step equidistant grey scale: *L = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4**

d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			
o00y=O	30.0	1.0	0.136	0.0	0.915	0.085	1.000	0.000	0.000	c00v=C	210.0	0.0	1.0	0.632	0.947	0.053	0.000	1.000	1.000	
o12y	36.6	1.0	0.173	0.0	0.619	0.381	1.000	0.125	0.000	c12v	216.6	0.0	0.747	1.0	0.977	0.023	0.000	0.875	1.000	*C'*
o25y	43.9	1.0	0.273	0.0	0.819	0.181	1.000	0.250	0.000	c25v	223.9	0.0	0.313	1.0	0.506	0.494	0.000	0.750	1.000	
o37y	51.8	1.0	0.396	0.0	0.83	0.17	1.000	0.375	0.000	c37v	231.8	0.0	0.02	1.0	0.158	0.842	0.000	0.625	1.000	
o50y	60.0	1.0	0.539	0.0	0.684	0.316	1.000	0.500	0.000	c50v	240.0	0.172	0.0	1.0	0.627	0.373	0.000	0.500	1.000	*B*
o62y	68.2	1.0	0.686	0.0	0.512	0.488	1.000	0.625	0.000	c62v	248.2	0.316	0.0	1.0	0.472	0.528	0.000	0.375	1.000	
o75y	76.1	1.0	0.839	0.0	0.287	0.713	1.000	0.750	0.000	c75v	256.1	0.427	0.0	1.0	0.585	0.415	0.000	0.250	1.000	
o87y	83.4	1.0	0.99	0.0	0.082	0.918	1.000	0.875	0.000	c87v	263.4	0.509	0.0	1.0	0.926	0.074	0.000	0.125	1.000	*J*
y00l=Y	90.0	0.857	1.0	0.0	0.855	0.145	1.000	1.000	0.000	v00m=V	270.0	0.54	0.0	1.0	0.683	0.317	0.000	0.000	1.000	
y12l	96.6	0.733	1.0	0.0	0.86	0.14	0.875	1.000	0.000	v12m	276.6	0.553	0.0	1.0	0.577	0.423	0.125	0.000	1.000	
y25l	103.9	0.648	1.0	0.0	0.187	0.813	0.750	1.000	0.000	v25m	283.9	0.583	0.0	1.0	0.332	0.668	0.250	0.000	1.000	
y37l	111.8	0.58	1.0	0.0	0.637	0.363	0.625	1.000	0.000	v37m	291.8	0.621	0.0	1.0	0.032	0.968	0.375	0.000	1.000	
y50l	120.0	0.525	1.0	0.0	0.203	0.797	0.500	1.000	0.000	v50m	300.0	0.667	0.0	1.0	0.662	0.338	0.500	0.000	1.000	
y62l	128.2	0.48	1.0	0.0	0.841	0.159	0.375	1.000	0.000	v62m	308.2	0.721	0.0	1.0	0.235	0.765	0.625	0.000	1.000	
y75l	136.1	0.447	1.0	0.0	0.573	0.427	0.250	1.000	0.000	v75m	316.1	0.784	0.0	1.0	0.727	0.273	0.750	0.000	1.000	
y87l	143.4	0.419	1.0	0.0	0.355	0.645	0.125	1.000	0.000	v87m	323.4	0.857	0.0	1.0	0.143	0.857	0.875	0.000	1.000	
l00c=L	150.0	0.409	1.0	0.0	0.272	0.728	0.000	1.000	0.000	m00o=M	330.0	0.962	0.0	1.0	0.307	0.693	1.000	0.000	1.000	*M'*
l12c	156.6	0.384	1.0	0.0	0.073	0.927	0.000	1.000	0.125	m12o	336.6	1.0	0.0	0.856	0.847	0.153	1.000	0.000	0.875	
l25c	163.9	0.328	1.0	0.0	0.628	0.372	0.000	1.000	0.250	m25o	343.9	1.0	0.0	0.735	0.879	0.121	1.000	0.000	0.750	
l37c	171.8	0.269	1.0	0.0	0.149	0.851	0.000	1.000	0.375	m37o	351.8	1.0	0.0	0.609	0.87	0.13	1.000	0.000	0.625	
l50c	180.0	0.201	1.0	0.0	0.605	0.395	0.000	1.000	0.500	m50o	360.0	1.0	0.0	0.466	0.731	0.269	1.000	0.000	0.500	
l62c	188.2	0.122	1.0	0.0	0.979	0.021	0.000	1.000	0.625	m62o	368.2	1.0	0.0	0.301	0.41	0.59	1.000	0.000	0.375	
l75c	196.1	0.027	1.0	0.0	0.213	0.787	0.000	1.000	0.750	m75o	376.1	1.0	0.0	0.124	0.992	0.008	1.000	0.000	0.250	*R*
l87c	203.4	0.0	1.0	0.139	0.89	0.11	0.000	1.000	0.875	m87o	383.4	1.0	0.059	0.0	0.527	0.473	1.000	0.000	0.125	*G*

KE870−3N, 2

Interpretation *rgb* −> *olv and CIELAB data of a 48 step device hue circle**
for a LECD low glossy display with the luminance reflection L_r=20% compared to the white reference (100%)
48 step device hue circle with six device hues *OYLCVM*: $h_{ab,a}$ = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4
comparison with four elementary hues *RJGB*: $h_{ab,a}$ = 25.5, 92.3, 162.2, 271.7, and *C' M'* = 217.0, 328.6
9 step equidistant grey scale: *L = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4**

d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			
o00y=O	30.0	1.0	0.016	0.0	0.876	0.124	1.000	0.000	0.000	c00v=C	210.0	0.0	1.0	0.643	0.859	0.141	0.000	1.000	1.000	
o12y	36.6	1.0	0.05	0.0	0.599	0.401	1.000	0.125	0.000	c12v	216.6	0.0	0.714	1.0	0.716	0.284	0.000	0.875	1.000	*C'*
o25y	43.9	1.0	0.149	0.0	0.812	0.188	1.000	0.250	0.000	c25v	223.9	0.0	0.291	1.0	0.326	0.674	0.000	0.750	1.000	
o37y	51.8	1.0	0.279	0.0	0.768	0.232	1.000	0.375	0.000	c37v	231.8	0.0	0.021	1.0	0.168	0.832	0.000	0.625	1.000	
o50y	60.0	1.0	0.442	0.0	0.467	0.533	1.000	0.500	0.000	c50v	240.0	0.147	0.0	1.0	0.826	0.174	0.000	0.500	1.000	*B*
o62y	68.2	1.0	0.619	0.0	0.05	0.95	1.000	0.625	0.000	c62v	248.2	0.267	0.0	1.0	0.86	0.14	0.000	0.375	1.000	
o75y	76.1	1.0	0.809	0.0	0.526	0.474	1.000	0.750	0.000	c75v	256.1	0.356	0.0	1.0	0.152	0.848	0.000	0.250	1.000	
o87y	83.4	1.0	0.995	0.0	0.039	0.961	1.000	0.875	0.000	c87v	263.4	0.418	0.0	1.0	0.656	0.344	0.000	0.125	1.000	*J*
y00l=Y	90.0	0.825	1.0	0.0	0.603	0.397	1.000	1.000	0.000	v00m=V	270.0	0.439	0.0	1.0	0.485	0.515	0.000	0.000	1.000	
y12l	96.6	0.685	1.0	0.0	0.476	0.524	0.875	1.000	0.000	v12m	276.6	0.455	0.0	1.0	0.357	0.643	0.125	0.000	1.000	
y25l	103.9	0.593	1.0	0.0	0.746	0.254	0.750	1.000	0.000	v25m	283.9	0.493	0.0	1.0	0.058	0.942	0.250	0.000	1.000	
y37l	111.8	0.521	1.0	0.0	0.171	0.829	0.625	1.000	0.000	v37m	291.8	0.539	0.0	1.0	0.691	0.309	0.375	0.000	1.000	
y50l	120.0	0.466	1.0	0.0	0.732	0.268	0.500	1.000	0.000	v50m	300.0	0.595	0.0	1.0	0.237	0.763	0.500	0.000	1.000	
y62l	128.2	0.422	1.0	0.0	0.374	0.626	0.375	1.000	0.000	v62m	308.2	0.66	0.0	1.0	0.718	0.282	0.625	0.000	1.000	
y75l	136.1	0.389	1.0	0.0	0.114	0.886	0.250	1.000	0.000	v75m	316.1	0.737	0.0	1.0	0.106	0.894	0.750	0.000	1.000	
y87l	143.4	0.363	1.0	0.0	0.906	0.094	0.125	1.000	0.000	v87m	323.4	0.823	0.0	1.0	0.417	0.583	0.875	0.000	1.000	
l00c=L	150.0	0.353	1.0	0.0	0.828	0.172	0.000	1.000	0.000	m00o=M	330.0	0.943	0.0	1.0	0.457	0.543	1.000	0.000	1.000	*M'*
l12c	156.6	0.337	1.0	0.0	0.694	0.306	0.000	1.000	0.125	m12o	336.6	1.0	0.0	0.858	0.861	0.139	1.000	0.000	0.875	
l25c	163.9	0.296	1.0	0.0	0.371	0.629	0.000	1.000	0.250	m25o	343.9	1.0	0.0	0.729	0.834	0.166	1.000	0.000	0.750	
l37c	171.8	0.248	1.0	0.0	0.988	0.012	0.000	1.000	0.375	m37o	351.8	1.0	0.0	0.601	0.809	0.191	1.000	0.000	0.625	
l50c	180.0	0.19	1.0	0.0	0.52	0.48	0.000	1.000	0.500	m50o	360.0	1.0	0.0	0.465	0.72	0.28	1.000	0.000	0.500	
l62c	188.2	0.119	1.0	0.0	0.951	0.049	0.000	1.000	0.625	m62o	368.2	1.0	0.0	0.319	0.55	0.45	1.000	0.000	0.375	
l75c	196.1	0.028	1.0	0.0	0.222	0.778	0.000	1.000	0.750	m75o	376.1	1.0	0.0	0.177	0.412	0.588	1.000	0.000	0.250	*R*
l87c	203.4	0.0	1.0	0.135	0.917	0.083	0.000	1.000	0.875	m87o	383.4	1.0	0.0	0.039	0.31	0.69	1.000	0.000	0.125	*G*

KE871−3N, 2

Interpretation *rgb* −> *olv and CIELAB data of a 48 step device hue circle**
for a LECD low glossy display with the luminance reflection L_r=10% compared to the white reference (100%)
48 step device hue circle with six device hues *OYLCVM*: $h_{ab,a}$ = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0
comparison with four elementary hues *RJGB*: $h_{ab,a}$ = 25.5, 92.3, 162.2, 271.7, and *C' M'* = 217.0, 328.6
9 step equidistant grey scale: *L = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4**

d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			
o00y=O	30.0	1.0	0.075	0.0	0.402	0.598	1.000	0.000	0.000	c00v=C	210.0	0.0	1.0	0.635	0.917	0.083	0.000	1.000	1.000	
o12y	36.6	1.0	0.111	0.0	0.109	0.891	1.000	0.125	0.000	c12v	216.6	0.0	0.735	1.0	0.884	0.116	0.000	0.875	1.000	*C'*
o25y	43.9	1.0	0.213	0.0	0.298	0.702	1.000	0.250	0.000	c25v	223.9	0.0	0.305	1.0	0.439	0.561	0.000	0.750	1.000	
o37y	51.8	1.0	0.342	0.0	0.264	0.736	1.000	0.375	0.000	c37v	231.8	0.0	0.02	1.0	0.162	0.838	0.000	0.625	1.000	
o50y	60.0	1.0	0.496	0.0	0.03	0.97	1.000	0.500	0.000	c50v	240.0	0.162	0.0	1.0	0.706	0.294	0.000	0.500	1.000	*B*
o62y	68.2	1.0	0.657	0.0	0.74	0.26	1.000	0.625	0.000	c62v	248.2	0.296	0.0	1.0	0.63	0.37	0.000	0.375	1.000	
o75y	76.1	1.0	0.827	0.0	0.385	0.615	1.000	0.750	0.000	c75v	256.1	0.397	0.0	1.0	0.822	0.178	0.000	0.250	1.000	
o87y	83.4	1.0	0.992	0.0	0.065	0.935	1.000	0.875	0.000	c87v	263.4	0.47	0.0	1.0	0.239	0.761	0.000	0.125	1.000	*J*
y00l=Y	90.0	0.845	1.0	0.0	0.757	0.243	1.000	1.000	0.000	v00m=V	270.0	0.496	0.0	1.0	0.031	0.969	0.000	0.000	1.000	
y12l	96.6	0.713	1.0	0.0	0.707	0.293	0.875	1.000	0.000	v12m	276.6	0.511	0.0	1.0	0.912	0.088	0.125	0.000	1.000	
y25l	103.9	0.626	1.0	0.0	0.007	0.993	0.750	1.000	0.000	v25m	283.9	0.545	0.0	1.0	0.637	0.363	0.250	0.000	1.000	
y37l	111.8	0.555	1.0	0.0	0.443	0.557	0.625	1.000	0.000	v37m	291.8	0.587	0.0	1.0	0.303	0.697	0.375	0.000	1.000	
y50l	120.0	0.501	1.0	0.0	0.005	0.995	0.500	1.000	0.000	v50m	300.0	0.639	0.0	1.0	0.891	0.109	0.500	0.000	1.000	
y62l	128.2	0.455	1.0	0.0	0.642	0.358	0.375	1.000	0.000	v62m	308.2	0.697	0.0	1.0	0.423	0.577	0.625	0.000	1.000	
y75l	136.1	0.422	1.0	0.0	0.375	0.625	0.250	1.000	0.000	v75m	316.1	0.766	0.0	1.0	0.87	0.13	0.750	0.000	1.000	
y87l	143.4	0.395	1.0	0.0	0.16	0.84	0.125	1.000	0.000	v87m	323.4	0.845	0.0	1.0	0.244	0.756	0.875	0.000	1.000	
l00c=L	150.0	0.385	1.0	0.0	0.079	0.921	0.000	1.000	0.000	m00o=M	330.0	0.955	0.0	1.0	0.361	0.639	1.000	0.000	1.000	*M'*
l12c	156.6	0.364	1.0	0.0	0.912	0.088	0.000	1.000	0.125	m12o	336.6	1.0	0.0	0.857	0.852	0.148	1.000	0.000	0.875	
l25c	163.9	0.315	1.0	0.0	0.523	0.477	0.000	1.000	0.250	m25o	343.9	1.0	0.0	0.733	0.862	0.138	1.000	0.000	0.750	
l37c	171.8	0.261	1.0	0.0	0.086	0.914	0.000	1.000	0.375	m37o	351.8	1.0	0.0	0.606	0.846	0.154	1.000	0.000	0.625	
l50c	180.0	0.197	1.0	0.0	0.572	0.428	0.000	1.000	0.500	m50o	360.0	1.0	0.0	0.466	0.726	0.274	1.000	0.000	0.500	
l62c	188.2	0.121	1.0	0.0	0.969	0.031	0.000	1.000	0.625	m62o	368.2	1.0	0.0	0.309	0.471	0.529	1.000	0.000	0.375	
l75c	196.1	0.027	1.0	0.0	0.216	0.784	0.000	1.000	0.750	m75o	376.1	1.0	0.0	0.148	0.184	0.816	1.000	0.000	0.250	*R*
l87c	203.4	0.0	1.0	0.138	0.899	0.101	0.000	1.000	0.875	m87o	383.4	1.0	0.014	0.0	0.886	0.114	1.000	0.000	0.125	*G*

KE870−7N, 2

Interpretation *rgb* −> *olv and CIELAB data of a 48 step device hue circle**
for a LECD low glossy display with the luminance reflection L_r=40% compared to the white reference (100%)
48 step device hue circle with six device hues *OYLCVM*: $h_{ab,a}$ = 23.2, 106.5, 139.9, 198.2, 293.2, 324.2
comparison with four elementary hues *RJGB*: $h_{ab,a}$ = 25.5, 92.3, 162.2, 271.7, and *C' M'* = 217.0, 328.6
9 step equidistant grey scale: *L = 69.7, 72.9, 76.1, 79.3, 82.5, 85.8, 89.0, 92.2, 95.4**

d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			d_{Ma}	h_{rgb}	*rgb**$_{Ma}$			*A1/A2*		*rgb −> olv**$_{Ma}$			
o00y=O	30.0	1.0	0.0	0.04	0.322	0.678	1.000	0.000	0.000	c00v=C	210.0	0.0	1.0	0.656	0.751	0.249	0.000	1.000	1.000	
o12y	36.6	1.0	0.0	0.003	0.024	0.976	1.000	0.125	0.000	c12v	216.6	0.0	0.68	1.0	0.439	0.561	0.000	0.875	1.000	*C'*
o25y	43.9	1.0	0.09	0.0	0.284	0.716	1.000	0.250	0.000	c25v	223.9	0.0	0.27	1.0	0.158	0.842	0.000	0.750	1.000	
o37y	51.8	1.0	0.216	0.0	0.272	0.728	1.000	0.375	0.000	c37v	231.8	0.0	0.022	1.0	0.176	0.824	0.000	0.625	1.000	
o50y	60.0	1.0	0.382	0.0	0.946	0.054	1.000	0.500	0.000	c50v	240.0	0.127	0.0	1.0	0.982	0.018	0.000	0.500	1.000	*B*
o62y	68.2	1.0	0.572	0.0	0.423	0.577	1.000	0.625	0.000	c62v	248.2	0.232	0.0	1.0	0.143	0.857	0.000	0.375	1.000	
o75y	76.1	1.0	0.786	0.0	0.71	0.29	1.000	0.750	0.000	c75v	256.1	0.307	0.0	1.0	0.541	0.459	0.000	0.250	1.000	
o87y	83.4	1.0	0.999	0.0	0.004	0.996	1.000	0.875	0.000	c87v	263.4	0.359	0.0	1.0	0.128	0.872	0.000	0.125	1.000	*J*
y00l=Y	90.0	0.797	1.0	0.0	0.379	0.621	1.000	1.000	0.000	v00m=V	270.0	0.377	0.0	1.0	0.988	0.012	0.000	0.000	1.000	
y12l	96.6	0.645	1.0	0.0	0.163	0.837	0.875	1.000	0.000	v12m	276.6	0.393	0.0	1.0	0.859	0.141	0.125	0.000	1.000	
y25l	103.9	0.551	1.0	0.0	0.409	0.591	0.750	1.000	0.000	v25m	283.9	0.431	0.0	1.0	0.553	0.447	0.250	0.000	1.000	
y37l	111.8	0.479	1.0	0.0	0.833	0.167	0.625	1.000	0.000	v37m	291.8	0.479	0.0	1.0	0.17	0.83	0.375	0.000	1.000	
y50l	120.0	0.426	1.0	0.0	0.405	0.595	0.500	1.000	0.000	v50m	300.0	0.539	0.0	1.0	0.687	0.313	0.500	0.000	1.000	
y62l	128.2	0.383	1.0	0.0	0.062	0.938	0.375	1.000	0.000	v62m	308.2	0.609	0.0	1.0	0.125	0.875	0.625	0.000	1.000	
y75l	136.1	0.352	1.0	0.0	0.816	0.184	0.250	1.000	0.000	v75m	316.1	0.693	0.0	1.0	0.452	0.548	0.750	0.000	1.000	
y87l	143.4	0.328	1.0	0.0	0.622	0.378	0.125	1.000	0.000	v87m	323.4	0.789	0.0	1.0	0.685	0.315	0.875	0.000	1.000	
l00c=L	150.0	0.319	1.0	0.0	0.549	0.451	0.000	1.000	0.000	m00o=M	330.0	0.923	0.0	1.0	0.616	0.384	1.000	0.000	1.000	*M'*
l12c	156.6	0.306	1.0	0.0	0.445	0.555	0.000	1.000	0.125	m12o	336.6	1.0	0.0	0.859	0.875	0.125	1.000	0.000	0.875	
l25c	163.9	0.273	1.0	0.0	0.183	0.817	0.000	1.000	0.250	m25o	343.9	1.0	0.0	0.725	0.797	0.203	1.000	0.000	0.750	
l37c	171.8	0.232	1.0	0.0	0.859	0.141	0.000	1.000	0.375	m37o	351.8	1.0	0.0	0.595	0.763	0.237	1.000	0.000	0.625	
l50c	180.0	0.181	1.0	0.0	0.447	0.553	0.000	1.000	0.500	m50o	360.0	1.0	0.0	0.464	0.711	0.289	1.000	0.000	0.500	
l62c	188.2	0.116	1.0	0.0	0.925	0.075	0.000	1.000	0.625	m62o	368.2	1.0	0.0	0.329	0.635	0.365	1.000	0.000	0.375	
l75c	196.1	0.029	1.0	0.0	0.231	0.769	0.000	1.000	0.750	m75o	376.1	1.0	0.0	0.204	0.633	0.367	1.000	0.000	0.250	*R*
l87c	203.4	0.0	1.0	0.132	0.945	0.055	0.000	1.000	0.875	m87o	383.4	1.0	0.0	0.087	0.699	0.301	1.000	0.000	0.125	*G*

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