Interpretation *rgb* −> *rgb and CIELAB data of a 48 step elementary hue circle**
for a sRGB standard 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*: $h_{ab,a}$ = 31.9, 103.7, 137.6, 196.6, 302.8, 327.9
9 step equidistant grey scale: *L = 26.8, 35.4, 44.0, 52.6, 61.1, 69.7, 78.3, 86.8, 95.4**

u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma				u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma		
r00j=R	30.0	1.0	0.0	0.204	0.636	0.364	1.000	0.000	0.000	O	c'00b=C'	210.0	0.0	0.893	1.0	0.144	0.856	0.000	1.000	1.000
r12j	36.6	1.0	0.135	0.0	0.921	0.079	1.000	0.125	0.000		c'12b	216.6	0.0	0.86	1.0	0.876	0.124	0.000	0.875	1.000
r25j	43.9	1.0	0.33	0.0	0.357	0.643	1.000	0.250	0.000		c'25b	223.9	0.0	0.828	1.0	0.627	0.373	0.000	0.750	1.000
r37j	51.8	1.0	0.443	0.0	0.456	0.544	1.000	0.375	0.000		c'37b	231.8	0.0	0.797	1.0	0.377	0.623	0.000	0.625	1.000
r50j	60.0	1.0	0.533	0.0	0.733	0.267	1.000	0.500	0.000		c'50b	240.0	0.0	0.766	1.0	0.128	0.872	0.000	0.500	1.000
r62j	68.2	1.0	0.613	0.0	0.099	0.901	1.000	0.625	0.000		c'62b	248.2	0.0	0.731	1.0	0.849	0.151	0.000	0.375	1.000
r75j	76.1	1.0	0.69	0.0	0.483	0.517	1.000	0.750	0.000		c'75b	256.1	0.0	0.692	1.0	0.537	0.463	0.000	0.250	1.000
r87j	83.4	1.0	0.768	0.0	0.854	0.146	1.000	0.875	0.000		c'87b	263.4	0.0	0.653	1.0	0.226	0.774	0.000	0.125	1.000
j00g=J	90.0	1.0	0.855	0.0	0.158	0.842	1.000	1.000	0.000		b00m'=B	270.0	0.0	0.609	1.0	0.868	0.132	0.000	0.000	1.000
j12g	96.6	1.0	0.965	0.0	0.277	0.723	0.875	1.000	0.000	Y	b12m'	276.6	0.0	0.547	1.0	0.372	0.628	0.125	0.000	1.000
j25g	103.9	0.906	1.0	0.0	0.25	0.75	0.750	1.000	0.000		b25m'	283.9	0.0	0.475	1.0	0.802	0.198	0.250	0.000	1.000
j37g	111.8	0.761	1.0	0.0	0.085	0.915	0.625	1.000	0.000		b37m'	291.8	0.0	0.376	1.0	0.008	0.992	0.375	0.000	1.000
j50g	120.0	0.573	1.0	0.0	0.586	0.414	0.500	1.000	0.000		b50m'	300.0	0.0	0.185	1.0	0.478	0.522	0.500	0.000	1.000
j62g	128.2	0.236	1.0	0.0	0.888	0.112	0.375	1.000	0.000	L	b62m'	308.2	0.404	0.0	1.0	0.769	0.231	0.625	0.000	1.000
j75g	136.1	0.0	1.0	0.395	0.836	0.164	0.250	1.000	0.000		b75m'	316.1	0.655	0.0	1.0	0.761	0.239	0.750	0.000	1.000
j87g	143.4	0.0	1.0	0.581	0.352	0.648	0.125	1.000	0.000		b87m'	323.4	0.845	0.0	1.0	0.238	0.762	0.875	0.000	1.000
g00c'=G	150.0	0.0	1.0	0.707	0.347	0.653	0.000	1.000	0.000		m'00r=M'	330.0	1.0	0.0	0.985	0.881	0.119	1.000	0.000	1.000
g12c'	156.6	0.0	1.0	0.783	0.736	0.264	0.000	1.000	0.125		m'12r	336.6	1.0	0.0	0.846	0.772	0.228	1.000	0.000	0.875
g25c'	163.9	0.0	1.0	0.847	0.221	0.779	0.000	1.000	0.250		m'25r	343.9	1.0	0.0	0.737	0.895	0.105	1.000	0.000	0.750
g37c'	171.8	0.0	1.0	0.903	0.779	0.221	0.000	1.000	0.375		m'37r	351.8	1.0	0.0	0.646	0.17	0.83	1.000	0.000	0.625
g50c'	180.0	0.0	1.0	0.951	0.394	0.606	0.000	1.000	0.500		m'50r	360.0	1.0	0.0	0.564	0.514	0.486	1.000	0.000	0.500
g62c'	188.2	0.0	1.0	0.999	0.008	0.992	0.000	1.000	0.625	C	m'62r	368.2	1.0	0.0	0.485	0.879	0.121	1.000	0.000	0.375
g75c'	196.1	0.0	0.965	1.0	0.719	0.281	0.000	1.000	0.750		m'75r	376.1	1.0	0.0	0.405	0.242	0.758	1.000	0.000	0.250
g87c'	203.4	0.0	0.929	1.0	0.432	0.568	0.000	1.000	0.875		m'87r	383.4	1.0	0.0	0.316	0.526	0.474	1.000	0.000	0.125

KE910−3N, 2

Interpretation *rgb* −> *rgb and CIELAB data of a 48 step elementary hue circle**
for a sRGB standard 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*: $h_{ab,a}$ = 25.0, 105.5, 140.5, 197.2, 297.3, 327.0
9 step equidistant grey scale: *L = 52.0, 57.4, 62.9, 68.3, 73.7, 79.1, 84.6, 90.0, 95.4**

u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma				u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma		
r00j=R	30.0	1.0	0.044	0.0	0.645	0.355	1.000	0.000	0.000		c'00b=C'	210.0	0.0	0.9	1.0	0.202	0.798	0.000	1.000	1.000
r12j	36.6	1.0	0.311	0.0	0.515	0.485	1.000	0.125	0.000		c'12b	216.6	0.0	0.867	1.0	0.933	0.067	0.000	0.875	1.000
r25j	43.9	1.0	0.425	0.0	0.599	0.401	1.000	0.250	0.000		c'25b	223.9	0.0	0.835	1.0	0.683	0.317	0.000	0.750	1.000
r37j	51.8	1.0	0.512	0.0	0.902	0.098	1.000	0.375	0.000		c'37b	231.8	0.0	0.804	1.0	0.433	0.567	0.000	0.625	1.000
r50j	60.0	1.0	0.581	0.0	0.355	0.645	1.000	0.500	0.000		c'50b	240.0	0.0	0.773	1.0	0.183	0.817	0.000	0.500	1.000
r62j	68.2	1.0	0.647	0.0	0.821	0.179	1.000	0.625	0.000		c'62b	248.2	0.0	0.739	1.0	0.91	0.09	0.000	0.375	1.000
r75j	76.1	1.0	0.711	0.0	0.312	0.688	1.000	0.750	0.000		c'75b	256.1	0.0	0.697	1.0	0.576	0.424	0.000	0.250	1.000
r87j	83.4	1.0	0.779	0.0	0.772	0.228	1.000	0.875	0.000		c'87b	263.4	0.0	0.655	1.0	0.243	0.757	0.000	0.125	1.000
j00g=J	90.0	1.0	0.852	0.0	0.183	0.817	1.000	1.000	0.000		b00m'=B	270.0	0.0	0.606	1.0	0.851	0.149	0.000	0.000	1.000
j12g	96.6	1.0	0.947	0.0	0.421	0.579	0.875	1.000	0.000	Y	b12m'	276.6	0.0	0.536	1.0	0.287	0.713	0.125	0.000	1.000
j25g	103.9	0.94	1.0	0.0	0.524	0.476	0.750	1.000	0.000		b25m'	283.9	0.0	0.442	1.0	0.533	0.467	0.250	0.000	1.000
j37g	111.8	0.81	1.0	0.0	0.479	0.521	0.625	1.000	0.000		b37m'	291.8	0.0	0.284	1.0	0.271	0.729	0.375	0.000	1.000
j50g	120.0	0.65	1.0	0.0	0.198	0.802	0.500	1.000	0.000		b50m'	300.0	0.29	0.0	1.0	0.681	0.319	0.500	0.000	1.000
j62g	128.2	0.397	1.0	0.0	0.18	0.82	0.375	1.000	0.000	L	b62m'	308.2	0.549	0.0	1.0	0.608	0.392	0.625	0.000	1.000
j75g	136.1	0.0	1.0	0.349	0.21	0.79	0.250	1.000	0.000		b75m'	316.1	0.728	0.0	1.0	0.176	0.824	0.750	0.000	1.000
j87g	143.4	0.0	1.0	0.575	0.402	0.598	0.125	1.000	0.000		b87m'	323.4	0.884	0.0	1.0	0.926	0.074	0.875	0.000	1.000
g00c'=G	150.0	0.0	1.0	0.708	0.338	0.662	0.000	1.000	0.000		m'00r=M'	330.0	1.0	0.0	0.97	0.756	0.244	1.000	0.000	1.000
g12c'	156.6	0.0	1.0	0.784	0.725	0.275	0.000	1.000	0.125		m'12r	336.6	1.0	0.0	0.843	0.747	0.253	1.000	0.000	0.875
g25c'	163.9	0.0	1.0	0.848	0.216	0.784	0.000	1.000	0.250		m'25r	343.9	1.0	0.0	0.74	0.918	0.082	1.000	0.000	0.750
g37c'	171.8	0.0	1.0	0.902	0.785	0.215	0.000	1.000	0.375		m'37r	351.8	1.0	0.0	0.651	0.207	0.793	1.000	0.000	0.625
g50c'	180.0	0.0	1.0	0.948	0.413	0.587	0.000	1.000	0.500		m'50r	360.0	1.0	0.0	0.565	0.522	0.478	1.000	0.000	0.500
g62c'	188.2	0.0	1.0	0.995	0.04	0.96	0.000	1.000	0.625	C	m'62r	368.2	1.0	0.0	0.479	0.829	0.171	1.000	0.000	0.375
g75c'	196.1	0.0	0.969	1.0	0.754	0.246	0.000	1.000	0.750		m'75r	376.1	1.0	0.0	0.385	0.078	0.922	1.000	0.000	0.250
g87c'	203.4	0.0	0.935	1.0	0.478	0.522	0.000	1.000	0.875		m'87r	383.4	1.0	0.0	0.262	0.1	0.9	1.000	0.000	0.125

KE911−3N, 2

Interpretation *rgb* −> *rgb and CIELAB data of a 48 step elementary hue circle**
for a sRGB standard 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*: $h_{ab,a}$ = 28.5, 104.4, 138.8, 196.8, 300.4, 327.6
9 step equidistant grey scale: *L = 38.0, 45.2, 52.3, 59.5, 66.7, 73.9, 81.1, 88.2, 95.4**

u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma				u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma		
r00j=R	30.0	1.0	0.0	0.147	0.179	0.821	1.000	0.000	0.000	O	c'00b=C'	210.0	0.0	0.896	1.0	0.165	0.835	0.000	1.000	1.000
r12j	36.6	1.0	0.243	0.0	0.059	0.941	1.000	0.125	0.000		c'12b	216.6	0.0	0.862	1.0	0.896	0.104	0.000	0.875	1.000
r25j	43.9	1.0	0.383	0.0	0.934	0.066	1.000	0.250	0.000		c'25b	223.9	0.0	0.831	1.0	0.647	0.353	0.000	0.750	1.000
r37j	51.8	1.0	0.477	0.0	0.186	0.814	1.000	0.375	0.000		c'37b	231.8	0.0	0.8	1.0	0.397	0.603	0.000	0.625	1.000
r50j	60.0	1.0	0.555	0.0	0.557	0.443	1.000	0.500	0.000		c'50b	240.0	0.0	0.769	1.0	0.148	0.852	0.000	0.500	1.000
r62j	68.2	1.0	0.629	0.0	0.969	0.031	1.000	0.625	0.000		c'62b	248.2	0.0	0.734	1.0	0.87	0.13	0.000	0.375	1.000
r75j	76.1	1.0	0.699	0.0	0.406	0.594	1.000	0.750	0.000		c'75b	256.1	0.0	0.694	1.0	0.551	0.449	0.000	0.250	1.000
r87j	83.4	1.0	0.773	0.0	0.818	0.182	1.000	0.875	0.000		c'87b	263.4	0.0	0.654	1.0	0.232	0.768	0.000	0.125	1.000
j00g=J	90.0	1.0	0.854	0.0	0.169	0.831	1.000	1.000	0.000		b00m'=B	270.0	0.0	0.608	1.0	0.862	0.138	0.000	0.000	1.000
j12g	96.6	1.0	0.958	0.0	0.336	0.664	0.875	1.000	0.000	Y	b12m'	276.6	0.0	0.543	1.0	0.341	0.659	0.125	0.000	1.000
j25g	103.9	0.92	1.0	0.0	0.36	0.64	0.750	1.000	0.000		b25m'	283.9	0.0	0.463	1.0	0.705	0.295	0.250	0.000	1.000
j37g	111.8	0.781	1.0	0.0	0.244	0.756	0.625	1.000	0.000		b37m'	291.8	0.0	0.344	1.0	0.749	0.251	0.375	0.000	1.000
j50g	120.0	0.607	1.0	0.0	0.856	0.144	0.500	1.000	0.000		b50m'	300.0	0.0	0.028	1.0	0.223	0.777	0.500	0.000	1.000
j62g	128.2	0.309	1.0	0.0	0.475	0.525	0.375	1.000	0.000	L	b62m'	308.2	0.475	0.0	1.0	0.2	0.8	0.625	0.000	1.000
j75g	136.1	0.0	1.0	0.382	0.943	0.057	0.250	1.000	0.000		b75m'	316.1	0.686	0.0	1.0	0.512	0.488	0.750	0.000	1.000
j87g	143.4	0.0	1.0	0.579	0.37	0.63	0.125	1.000	0.000		b87m'	323.4	0.861	0.0	1.0	0.111	0.889	0.875	0.000	1.000
g00c'=G	150.0	0.0	1.0	0.707	0.344	0.656	0.000	1.000	0.000		m'00r=M'	330.0	1.0	0.0	0.979	0.834	0.166	1.000	0.000	1.000
g12c'	156.6	0.0	1.0	0.784	0.732	0.268	0.000	1.000	0.125		m'12r	336.6	1.0	0.0	0.845	0.763	0.237	1.000	0.000	0.875
g25c'	163.9	0.0	1.0	0.848	0.219	0.781	0.000	1.000	0.250		m'25r	343.9	1.0	0.0	0.738	0.904	0.096	1.000	0.000	0.750
g37c'	171.8	0.0	1.0	0.902	0.781	0.219	0.000	1.000	0.375		m'37r	351.8	1.0	0.0	0.648	0.185	0.815	1.000	0.000	0.625
g50c'	180.0	0.0	1.0	0.95	0.4	0.6	0.000	1.000	0.500		m'50r	360.0	1.0	0.0	0.565	0.517	0.483	1.000	0.000	0.500
g62c'	188.2	0.0	1.0	0.998	0.019	0.981	0.000	1.000	0.625	C	m'62r	368.2	1.0	0.0	0.482	0.859	0.141	1.000	0.000	0.375
g75c'	196.1	0.0	0.966	1.0	0.731	0.269	0.000	1.000	0.750		m'75r	376.1	1.0	0.0	0.397	0.176	0.824	1.000	0.000	0.250
g87c'	203.4	0.0	0.931	1.0	0.448	0.552	0.000	1.000	0.875		m'87r	383.4	1.0	0.0	0.295	0.357	0.643	1.000	0.000	0.125

KE910−7N, 2

Interpretation *rgb* −> *rgb and CIELAB data of a 48 step elementary hue circle**
for a sRGB standard 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 *OYLCVM*: $h_{ab,a}$ = 21.9, 107.3, 142.4, 197.9, 293.8, 326.1
9 step equidistant grey scale: *L = 69.7, 72.9, 76.1, 79.3, 82.6, 85.8, 89.0, 92.2, 95.4**

u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma				u^*_{Ma}	h_{rgb}	olv^*_{Ma}			A1/A2		rgb −> rgb*Ma		
r00j=R	30.0	1.0	0.202	0.0	0.38	0.62	1.000	0.000	0.000		c'00b=C'	210.0	0.0	0.908	1.0	0.261	0.739	0.000	1.000	1.000
r12j	36.6	1.0	0.376	0.0	0.994	0.006	1.000	0.125	0.000		c'12b	216.6	0.0	0.874	1.0	0.996	0.004	0.000	0.875	1.000
r25j	43.9	1.0	0.468	0.0	0.259	0.741	1.000	0.250	0.000		c'25b	223.9	0.0	0.843	1.0	0.743	0.257	0.000	0.750	1.000
r37j	51.8	1.0	0.542	0.0	0.664	0.336	1.000	0.375	0.000		c'37b	231.8	0.0	0.811	1.0	0.49	0.51	0.000	0.625	1.000
r50j	60.0	1.0	0.607	0.0	0.145	0.855	1.000	0.500	0.000		c'50b	240.0	0.0	0.78	1.0	0.238	0.762	0.000	0.500	1.000
r62j	68.2	1.0	0.666	0.0	0.67	0.33	1.000	0.625	0.000		c'62b	248.2	0.0	0.747	1.0	0.979	0.021	0.000	0.375	1.000
r75j	76.1	1.0	0.723	0.0	0.213	0.787	1.000	0.750	0.000		c'75b	256.1	0.0	0.703	1.0	0.62	0.38	0.000	0.250	1.000
r87j	83.4	1.0	0.785	0.0	0.722	0.278	1.000	0.875	0.000		c'87b	263.4	0.0	0.658	1.0	0.261	0.739	0.000	0.125	1.000
j00g=J	90.0	1.0	0.85	0.0	0.201	0.799	1.000	1.000	0.000		b00m'=B	270.0	0.0	0.604	1.0	0.835	0.165	0.000	0.000	1.000
j12g	96.6	1.0	0.934	0.0	0.531	0.469	0.875	1.000	0.000	Y	b12m'	276.6	0.0	0.526	1.0	0.204	0.796	0.125	0.000	1.000
j25g	103.9	0.967	1.0	0.0	0.74	0.26	0.750	1.000	0.000		b25m'	283.9	0.0	0.407	1.0	0.259	0.741	0.250	0.000	1.000
j37g	111.8	0.849	1.0	0.0	0.79	0.21	0.625	1.000	0.000		b37m'	291.8	0.0	0.131	1.0	0.045	0.955	0.375	0.000	1.000
j50g	120.0	0.701	1.0	0.0	0.606	0.394	0.500	1.000	0.000		b50m'	300.0	0.428	0.0	1.0	0.58	0.42	0.500	0.000	1.000
j62g	128.2	0.484	1.0	0.0	0.872	0.128	0.375	1.000	0.000	L	b62m'	308.2	0.625	0.0	1.0	0.001	0.999	0.625	0.000	1.000
j75g	136.1	0.0	1.0	0.285	0.719	0.281	0.250	1.000	0.000		b75m'	316.1	0.776	0.0	1.0	0.796	0.204	0.750	0.000	1.000
j87g	143.4	0.0	1.0	0.568	0.453	0.547	0.125	1.000	0.000		b87m'	323.4	0.913	0.0	1.0	0.692	0.308	0.875	0.000	1.000
g00c'=G	150.0	0.0	1.0	0.709	0.328	0.672	0.000	1.000	0.000		m'00r=M'	330.0	1.0	0.0	0.956	0.646	0.354	1.000	0.000	1.000
g12c'	156.6	0.0	1.0	0.786	0.714	0.286	0.000	1.000	0.125		m'12r	336.6	1.0	0.0	0.841	0.725	0.275	1.000	0.000	0.875
g25c'	163.9	0.0	1.0	0.849	0.211	0.789	0.000	1.000	0.250		m'25r	343.9	1.0	0.0	0.742	0.938	0.062	1.000	0.000	0.750
g37c'	171.8	0.0	1.0	0.901	0.792	0.208	0.000	1.000	0.375		m'37r	351.8	1.0	0.0	0.654	0.236	0.764	1.000	0.000	0.625
g50c'	180.0	0.0	1.0	0.946	0.434	0.566	0.000	1.000	0.500		m'50r	360.0	1.0	0.0	0.566	0.53	0.47	1.000	0.000	0.500
g62c'	188.2	0.0	1.0	0.99	0.076	0.924	0.000	1.000	0.625	C	m'62r	368.2	1.0	0.0	0.474	0.79	0.21	1.000	0.000	0.375
g75c'	196.1	0.0	0.974	1.0	0.791	0.209	0.000	1.000	0.750		m'75r	376.1	1.0	0.0	0.367	0.938	0.062	1.000	0.000	0.250
g87c'	203.4	0.0	0.941	1.0	0.526	0.474	0.000	1.000	0.875		m'87r	383.4	1.0	0.0	0.201	0.607	0.393	1.000	0.000	0.125

KE911−7N, 2