

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis**  
 für sRGB-Normdisplay mit der Leuchtdichte-Reflexion  $L_r=5\%$  verglichen mit der weissen Referenz (100%)  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>5</sub>CMV:  $h_{ab,a} = 31,9, 103,7, 137,6, 196,6, 302,8, 327,9$**   
**Vergleich mit vier Elementar-Bunttönen R<sub>J</sub>GB:  $h_{ab,a} = 25,5, 92,3, 162,2, 271,7, \text{ und } C^*M^* = 217,0, 328,6$**   
**9-stufige gleichabständige Graureihe:  $L^* = 26,8, 35,4, 44,0, 52,6, 61,1, 69,7, 78,3, 86,8, 95,4$**

$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>	$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>
o00y=O	30.0	55.5 65.0 42.5 77.6 33.2	1.000 0.000 0.000	c00v=C	210.0	85.5 -62.7 27.8 68.6 156.1	0.000 1.000 1.000
o12y	36.6	55.7 64.5 42.6 77.3 33.5	1.000 0.125 0.000	c12v	216.6	83.3 -36.5 -19.8 41.7 208.6	0.000 0.875 1.000
o25y	43.9	56.7 61.8 43.8 75.8 35.3	1.000 0.250 0.000	c25v	223.9	52.6 22.9 -67.2 71.1 288.8	0.000 0.500 1.000
o37y	51.8	59.0 55.7 46.4 72.5 39.8	1.000 0.375 0.000	c37v	231.8	40.1 55.6 -87.3 103.6 302.4	0.000 0.625 1.000
o50y	60.0	64.2 42.3 52.1 67.1 50.9	1.000 0.500 0.000	c50v	240.0	40.9 58.4 -85.9 104.0 304.2	0.000 0.500 1.000
o62y	68.2	73.0 21.4 61.0 64.6 70.7	1.000 0.625 0.000	c62v	248.2	43.0 61.3 -82.4 102.8 306.6	0.000 0.375 1.000
o75y	76.1	84.0 -2.0 71.8 71.8 91.7	1.000 0.750 0.000	c75v	256.4	44.9 64.0 -79.2 101.9 308.9	0.000 0.250 1.000
o87y	83.4	92.4 -21.8 79.4 82.3 105.4	1.000 0.875 0.000	c87v	263.4	46.1 65.6 -77.2 101.4 310.3	0.000 0.125 1.000
y00l=Y	90.0	90.2 -34.0 76.6 83.8 114.0	1.000 1.000 0.000	v00m=V	270.0	46.6 66.4 -76.4 101.2 310.9	0.000 0.000 1.000
y12l	96.6	88.6 -43.9 74.5 86.5 124.0	0.875 1.000 0.000	v12m	276.6	46.8 66.6 -76.0 101.0 311.2	0.125 0.000 1.000
y25l	103.9	87.4 -52.1 72.8 89.5 125.6	0.750 1.000 0.000	v25m	283.9	47.4 67.4 -75.1 101.0 311.9	0.250 0.000 1.000
y37l	111.8	86.6 -58.0 71.7 92.3 129.0	0.625 1.000 0.000	v37m	291.8	48.8 68.6 -73.5 100.6 313.0	0.375 0.000 1.000
y50l	120.0	86.0 -62.1 71.0 94.4	0.500 1.000 0.000	v50m	300.0	49.3 70.1 -71.1 100.3 314.8	0.500 0.000 1.000
y62l	128.2	85.7 -64.7 70.5 95.8	0.375 1.000 0.000	v62m	308.2	51.7 73.1 -67.9 99.8 317.1	0.625 0.000 1.000
y75l	136.1	85.4 -66.5 70.2 96.8	0.250 1.000 0.000	v75m	316.1	54.2 76.4 -63.8 99.6 320.0	0.750 0.000 1.000
y87l	143.4	85.4 -67.2 70.1 97.2	0.125 1.000 0.000	v87m	323.4	57.0 80.0 -59.1 99.5 323.5	0.875 0.000 1.000
m00c=L	150.0	85.3 -67.5 70.0 97.4	1.340 0.000 1.000 0.000	m100=M	330.0	60.2 84.1 -53.8 99.9 327.4	1.000 0.000 1.000
m12c	156.6	85.3 -68.0 70.0 97.6	1.340 0.000 1.000 0.125	m12c	336.6	59.6 81.7 -42.6 92.2 332.4	1.000 0.000 0.875
m25c	163.9	85.1 -69.1 69.8 98.3	1.340 0.000 1.000 0.250	m25c	343.9	58.2 77.5 -27.1 82.1 340.7	1.000 0.000 0.750
m37c	171.8	84.9 -71.0 69.5 99.4	1.365 0.000 1.000 0.375	m37c	351.8	56.8 73.3 -7.3 73.7 354.2	1.000 0.000 0.625
m50c	180.0	84.7 -72.8 69.2 100.5	1.365 0.000 1.000 0.500	m50c	360.0	55.7 69.8 14.6 71.3 11.8	1.000 0.000 0.500
m62c	188.2	84.5 -74.5 68.9 101.6	1.373 0.000 1.000 0.625	m62c	368.2	55.1 67.7 32.4 75.1 25.6	1.000 0.000 0.375
m75c	196.1	84.4 -75.1 67.6 101.1	1.380 0.000 1.000 0.750	m75c	376.1	54.9 67.0 40.5 78.2 31.1	1.000 0.000 0.250
m87c	203.4	84.6 -72.5 56.8 92.1	1.419 0.000 1.000 0.875	m87c	383.4	55.3 65.7 42.2 78.1 32.7	1.000 0.000 0.125

KG930-3X, 2

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis**  
 für sRGB-Normdisplay mit der Leuchtdichte-Reflexion  $L_r=20\%$  verglichen mit der weissen Referenz (100%)  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>20</sub>CMV:  $h_{ab,a} = 25,0, 105,5, 140,5, 197,2, 297,3, 327,0$**   
**Vergleich mit vier Elementar-Bunttönen R<sub>J</sub>GB:  $h_{ab,a} = 25,5, 92,3, 162,2, 271,7, \text{ und } C^*M^* = 217,0, 328,6$**   
**9-stufige gleichabständige Graureihe:  $L^* = 52,0, 57,4, 62,9, 68,3, 73,7, 79,1, 84,6, 90,0, 95,4$**

$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>	$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>
o00y=O	30.0	65.5 45.1 20.9 49.7 24.8	1.000 0.000 0.000	c00v=C	210.0	87.4 -47.3 20.0 51.4 157.1	0.000 1.000 1.000
o12y	36.6	65.6 44.9 21.1 49.6 25.1	1.000 0.125 0.000	c12v	216.6	84.2 -25.3 -17.9 31.1 215.3	0.000 0.875 1.000
o25y	43.9	65.8 44.3 21.4 49.2 25.8	1.000 0.250 0.000	c25v	223.9	63.4 16.1 -49.6 52.3 287.9	0.000 0.500 1.000
o37y	51.8	66.7 42.2 22.6 47.8 28.2	1.000 0.375 0.000	c37v	231.8	57.4 30.2 -59.0 66.4 297.1	0.000 0.625 1.000
o50y	60.0	69.3 35.7 26.2 44.2 36.3	1.000 0.500 0.000	c50v	240.0	57.6 32.0 -58.6 66.8 298.6	0.000 0.500 1.000
o62y	68.2	75.7 20.9 34.7 40.6 58.9	1.000 0.625 0.000	c62v	248.2	58.4 34.2 -57.3 66.8 300.8	0.000 0.375 1.000
o75y	76.1	85.3 0.5 46.9 46.9 89.4	1.000 0.750 0.000	c75v	256.4	59.4 35.9 -56.3 66.9 302.5	0.000 0.250 1.000
o87y	83.4	92.8 -18.2 55.7 58.6 108.2	1.000 0.875 0.000	c87v	263.4	59.4 37.1 -55.7 67.0 303.6	0.000 0.125 1.000
y00l=Y	90.0	90.9 -28.6 53.0 60.2 118.5	1.000 1.000 0.000	v00m=V	270.0	59.6 37.5 -55.4 67.0 304.0	0.000 0.000 1.000
y12l	96.6	89.6 -36.4 51.0 62.7 125.6	0.875 1.000 0.000	v12m	276.6	59.7 37.8 -55.2 67.0 304.3	0.125 0.000 1.000
y25l	103.9	88.6 -42.3 49.6 65.2 130.5	0.750 1.000 0.000	v25m	283.9	59.9 38.5 -54.8 67.1 305.1	0.250 0.000 1.000
y37l	111.8	88.0 -46.4 48.6 67.3 133.7	0.625 1.000 0.000	v37m	291.8	60.5 40.1 -53.9 67.2 306.6	0.375 0.000 1.000
y50l	120.0	87.6 -48.9 48.1 68.7 135.6	0.500 1.000 0.000	v50m	300.0	61.4 42.4 -52.4 67.5 308.9	0.500 0.000 1.000
y62l	128.2	87.4 -50.6 47.7 69.6 136.8	0.375 1.000 0.000	v62m	308.2	62.6 45.6 -50.4 68.0 312.1	0.625 0.000 1.000
y75l	136.1	87.2 -51.4 47.5 70.1 137.3	0.250 1.000 0.000	v75m	316.1	64.2 49.6 -47.7 68.9 316.1	0.750 0.000 1.000
y87l	143.4	87.2 -51.9 47.4 70.4 137.6	0.125 1.000 0.000	v87m	323.4	66.3 54.3 -44.4 70.2 320.7	0.875 0.000 1.000
m00c=L	150.0	87.1 -52.0 47.4 70.5 137.7	1.000 0.000 1.000	m00m=M	330.0	68.6 59.6 -40.6 72.2 325.7	1.000 0.000 1.000
m12c	156.6	87.1 -52.3 47.4 70.6 137.9	1.000 0.000 1.000 0.125	m12c	336.6	68.6 58.5 -31.5 66.5 331.6	1.000 0.000 0.875
m25c	163.9	87.0 -52.8 47.2 70.9 138.2	1.000 0.000 1.000 0.250	m25c	343.9	67.6 54.3 -18.5 57.4 341.0	1.000 0.000 0.750
m37c	171.8	86.9 -53.8 47.0 71.5 138.9	1.000 0.000 1.000 0.375	m37c	351.8	66.7 50.5 -4.2 50.7 355.1	1.000 0.000 0.625
m50c	180.0	86.8 -54.7 46.8 72.1 139.5	1.000 0.000 1.000 0.500	m50c	360.0	66.1 47.6 8.3 48.3 9.8	1.000 0.000 0.500
m62c	188.2	86.6 -55.7 46.6 72.7 140.1	1.000 0.000 1.000 0.625	m62c	368.2	65.7 45.9 16.3 48.7 19.5	1.000 0.000 0.375
m75c	196.1	86.6 -56.1 45.9 72.6 140.7	1.000 0.000 1.000 0.750	m75c	376.1	65.6 45.3 19.6 49.4 23.4	1.000 0.000 0.250
m87c	203.4	86.7 -54.3 39.9 67.4 143.7	1.000 1.000 0.875	m87c	383.4	65.5 45.2 20.5 49.6 24.4	1.000 0.000 0.125

KG931-3X, 2

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis**  
 für sRGB-Normdisplay mit der Leuchtdichte-Reflexion  $L_r=10\%$  verglichen mit der weissen Referenz (100%)  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>10</sub>CMV:  $h_{ab,a} = 28,5, 104,4, 138,8, 196,8, 300,4, 327,6$**   
**Vergleich mit vier Elementar-Bunttönen R<sub>J</sub>GB:  $h_{ab,a} = 25,5, 92,3, 162,2, 271,7, \text{ und } C^*M^* = 217,0, 328,6$**   
**9-stufige gleichabständige Graureihe:  $L^* = 38,0, 45,2, 52,3, 59,5, 66,7, 73,9, 81,1, 88,2, 95,4$**

$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>	$d_{Ma}$	$h_{rgb}$	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{Ma,d}$	rgb -> olv* <sub>Ma</sub>
o00y=O	30.0	59.0 57.7 32.1 66.1 29.0	1.000 0.000 0.000	c00v=C	210.0	86.1 -57.2 25.0 62.5 156.5	0.000 1.000 1.000
o12y	36.6	59.2 57.4 32.2 65.8 29.3	1.000 0.125 0.000	c12v	216.6	83.5 -32.5 -19.4 38.0 210.9	0.000 0.875 1.000
o25y	43.9	59.6 56.3 32.7 65.2 30.2	1.000 0.250 0.000	c25v	223.9	56.5 20.3 -60.8 64.2 288.4	0.000 0.750 1.000
o37y	51.8	61.2 52.1 34.8 62.6 33.7	1.000 0.375 0.000	c37v	231.8	46.9 44.2 -76.0 88.0 300.1	0.000 0.625 1.000
o50y	60.0	65.4 41.3 40.2 57.6 44.2	1.000 0.500 0.000	c50v	240.0	47.5 46.7 -75.1 88.5 301.8	0.000 0.500 1.000
o62y	68.2	73.5 22.0 49.5 54.2 66.0	1.000 0.625 0.000	c62v	248.2	48.9 49.9 -72.8 88.1 304.2	0.000 0.375 1.000
o75y	76.1	84.3 -0.8 61.9 61.9 90.9	1.000 0.750 0.000	c75v	256.4	50.1 52.1 -70.7 87.9 306.4	0.000 0.250 1.000
o87y	83.4	92.5 -20.7 70.3 73.3 106.5	1.000 0.875 0.000	c87v	263.4	50.8 53.5 -69.5 87.8 307.6	0.000 0.125 1.000
y00l=Y	90.0	90.4 -32.4 67.5 74.9 115.7	1.000 1.000 0.000	v00m=V	270.0	51.1 54.1 -69.0 87.7 308.1	0.000 0.000 1.000
y12l	96.6	88.9 -41.6 65.4 77.5 122.5	0.875 1.000 0.000	v12m	276.6	51.3 54.5 -68.7 87.7 308.4	0.125 0.000 1.000
y25l	103.9	87.8 -49.0 63.8 80.4 127.6	0.750 1.000 0.000	v25m	283.9	51.8 55.4 -67.9 87.7 309.2	0.250 0.000 1.000
y37l	111.8	87.0 -54.3 62.6 83.0 131.0	0.625 1.000 0.000	v37m	291.8	52.6 57.0 -66.5 87.6 310.5	0.375 0.000 1.000
y50l	120.0	86.5 -57.7 62.0 84.8 133.0	0.500 1.000 0.000	v50m	300.0	53.8 59.2 -64.5 87.6 312.5	0.500 0.000 1.000
y62l	128.2	86.2 -60.1 61.6 86.1 134.4	0.375 1.000 0.000	v62m	308.2	55.6 62.3 -61.6 87.7 315.3	0.625 0.000 1.000
y75l	136.1	86.0 -61.4 61.8 86.8 135.1	0.250 1.000 0.000	v75m	316.1	57.7 66.1 -58.1 88.0 318.6	0.750 0.000 1.000
y87l	143.4	85.9 -62.0 61.2 87.2 135.4	0.125 1.000 0.000	v87m	323.4	60.3 70.4 -53.8 88.7 322.5	0.875 0.000 1.000
m00c=L	150.0	85.9 -62.2 61.2 87.3 135.5	1.000 0.000 1.000 0.000	m100=M	330.0	63.2 75.1 -49.1 89.8 326.8	1.000 0.000 1.000
m12c	156.6	85.9 -62.6 61.1 87.5 135.7	1.000 0.000 1.000 0.125	m12c	336.6	62.8 73.1 -38.6 82.7 332.1	1.000 0.000 0.875
m25c	163.9	85.8 -63.4 60.9 88.0 136.2	1.000 0.000 1.000 0.250	m25c	343.9	61.6 68.8 -23.9 72.9 340.8	1.000 0.000 0.750
m37c	171.8	85.6 -65.0 60.6 88.9 137.0	1.000 0.000 1.000 0.375	m37c	351.8	60.6 64.7 -6.0 65.0	