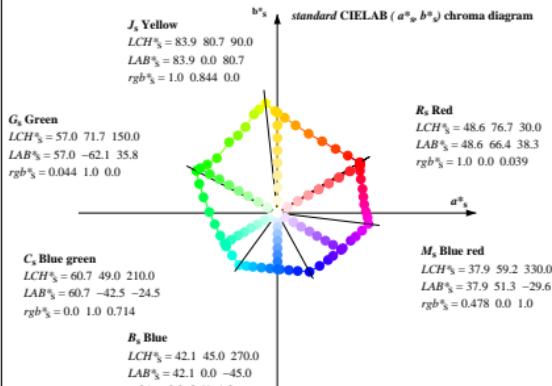
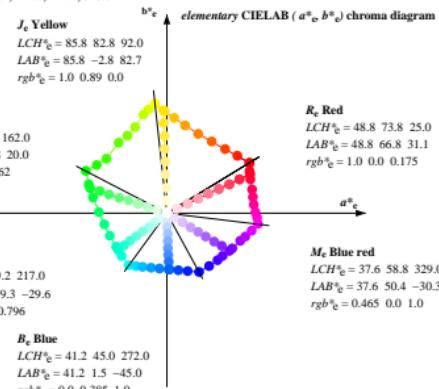
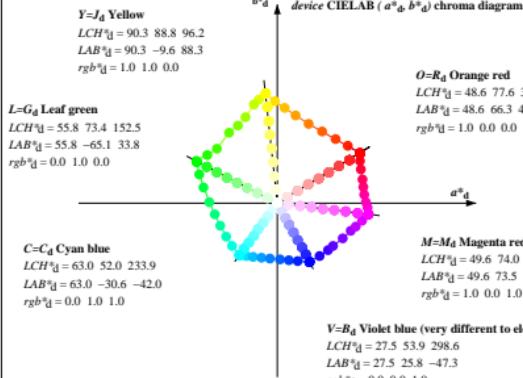


http://130.149.60.45/~farbmetri OE37/OE37L0N1.TXT /PS; start output  
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

Data of Maximum color M in colorimetric system Offset print ORS40\_18\_96; separation cmyn6\*, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Six hue angles of the device colours d:  $h_{ab,d} = 31.4, 96.2, 152.6, 233.9, 298.6, 353.1$ ; Six hue angles of the elementary colours e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



#### Notes to the CIELAB chroma diagrams ( $a^*_d, b^*_d$ , $a^*_e, b^*_e$ , $a^*_s, b^*_s$ )

1. For the  $rgb^*$ -input values the CIELAB data  $LCH^*d$  and  $LAB^*d$  have been measured.

2. For the calculation of the standard hue angle  $h_{ab,s}$  use for any device values  $rgb^*_d$  the equation:

$$h_{ab,s} = atan [r_d^* \cos(30) + g_d^* \cos(150)] / [r_d^* \sin(30) + g_d^* \sin(150) + b_d^* \sin(270)] \quad (1)$$

3. For the 48 or 360 equally spaced standard hue angles  $h_{ab,s}$  of the colours of maximum chroma use the seven hue angles of the 60 degree colours s:  $h_{ab,s1} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  (i=0,6) and the equations for a 48 and 360 step hue circle:

$$h_{48ab,sij} = h_{ab,s1} + j [h_{ab,s(i+1)} - h_{ab,s1}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,s1} + j [h_{ab,s(i+1)} - h_{ab,s1}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$

4. For the 48 or 360 elementary hue angles  $h_{ab,e}$  of the colours of maximum chroma use the seven hue angles of the elementary colours e:  $h_{ab,e1} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  (i=0,6) and the equations for a 48 and 360 step elementary hue circle:

$$h_{48ab,ei} = h_{ab,e1} + j [h_{ab,e(i+1)} - h_{ab,e1}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,ei} = h_{ab,e1} + j [h_{ab,e(i+1)} - h_{ab,e1}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

5. For any elementary hue angle  $h_{ab,e}$  there is a well defined device hue angle  $h_{ab,d}$  see the following tables, columns 1 to 3.

6. The values  $rgb^*_d$  produce the output of the device-independent elementary hues

OE37-7N, Page of series 1/20, RX0, D65, XYZnw=3.4, 3.5, 3.7, 85.8, 90.7, 95.4, LAB\*nw=22.0, 0.3, 0.6, 96.3, -0.7, 2.2, not adapted

TUB-test chart OE37; 48 and 360 step hue circles, Page 1/1

Data of Offset print ORS40\_18\_96, separation cmyn6\*, D65 and D50

Output: Offset print ORS40\_18\_96; separation cmyn6\*, D65 and D50, page 1/20

input:  $rgb^*_d$  setrgbcolor

output:  $cmyn6^*_d = f_6(rgb^*_d)$