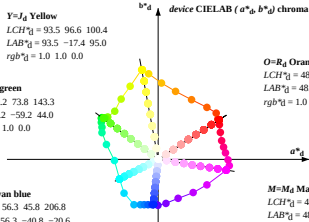
Data of Maximum color M in colorimetric system laser printer HRS18_96; no separation, D65 and D50 for input or output; Six hue angles of the 60 degree standard colours *s:* $h_{ab,s}$ = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours *d:* $h_{ab,d}$ = 32.9, 100.4, 143.4, 206.8, 264.1, 351.1; Six hue angles of the elementary colours *e:* $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6



device **CIELAB (a^*_d, b^*_d) chroma diagram**

Y=Y_d Yellow
*LCH*d* = 93.5 96.6 100.4
*LAB*d* = 93.5 −17.4 95.0
*rgb*d* = 1.0 1.0 0.0

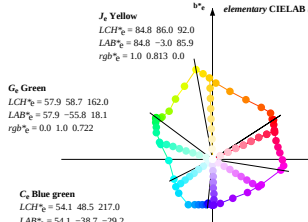
O=R_d Orange red
*LCH*d* = 48.1 76.8 32.9
*LAB*d* = 48.1 64.5 41.8
*rgb*d* = 1.0 0.0 0.0

L=G_d Leaf green
*LCH*d* = 60.2 73.8 143.3
*LAB*d* = 60.2 −59.2 44.0
*rgb*d* = 0.0 1.0 0.0

C=C_d Cyan blue
*LCH*d* = 56.3 45.8 206.8
*LAB*d* = 56.3 −40.8 −20.6
*rgb*d* = 0.0 1.0 1.0

M=M_d Magenta red
*LCH*d* = 48.2 73.0 351.0
*LAB*d* = 48.2 72.2 −11.3
*rgb*d* = 1.0 0.0 1.0

V=B_d Violet blue (very similar to elementary Blue)
*LCH*d* = 38.6 46.5 264.0
*LAB*d* = 38.6 −4.8 −46.2
*rgb*d* = 0.0 0.0 1.0



elementary **CIELAB (a^*_e, b^*_e) chroma diagram**

J_e Yellow
*LCH*e* = 84.8 86.0 92.0
*LAB*e* = 84.8 −3.0 85.9
*rgb*e* = 1.0 0.813 0.0

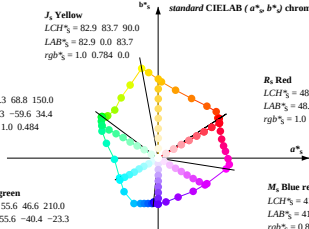
R_e Red
*LCH*e* = 48.2 72.2 25.0
*LAB*e* = 48.2 65.5 30.5
*rgb*e* = 1.0 0.0 0.217

G_e Green
*LCH*e* = 57.9 58.7 162.0
*LAB*e* = 57.9 −55.8 18.1
*rgb*e* = 0.0 1.0 0.722

M_e Blue red
*LCH*e* = 41.3 56.6 329.0
*LAB*e* = 41.3 48.5 −29.1
*rgb*e* = 0.848 0.0 1.0

C_e Blue green
*LCH*e* = 54.1 48.5 217.0
*LAB*e* = 54.1 −38.7 −29.2
*rgb*e* = 0.0 0.928 1.0

B_e Blue
*LCH*e* = 37.0 48.3 272.0
*LAB*e* = 37.0 1.6 −48.3
*rgb*e* = 0.401 0.0 1.0



standard **CIELAB (a^*_s, b^*_s) chroma diagram**

J_s Yellow
*LCH*s* = 82.9 83.7 90.0
*LAB*s* = 82.9 0.0 83.7
*rgb*s* = 1.0 0.784 0.0

R_s Red
*LCH*s* = 48.3 74.8 30.0
*LAB*s* = 48.3 64.8 37.4
*rgb*s* = 1.0 0.0 0.106

G_s Green
*LCH*s* = 58.3 68.8 150.0
*LAB*s* = 58.3 −59.6 34.4
*rgb*s* = 0.0 1.0 0.484

M_s Blue red
*LCH*s* = 41.5 57.0 330.0
*LAB*s* = 41.5 49.4 −28.5
*rgb*s* = 0.856 0.0 1.0

C_s Blue green
*LCH*s* = 55.6 46.6 210.0
*LAB*s* = 55.6 −40.4 −23.3
*rgb*s* = 0.0 0.977 1.0

B_s Blue
*LCH*s* = 37.2 48.6 270.0
*LAB*s* = 37.2 0.0 −48.6
*rgb*s* = 0.377 0.0 1.0

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

1. For the *rgb*d*-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:
   $h_{ab,s} = atan\ [\ r^*_d\ cos(30) + g^*_d\ cos(150)\ ]\ /\ [\ r^*_d\ sin(30) + g^*_d\ sin(150) + b^*_d\ sin(270)\ ]$ (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:* $h_{ab,si}$ = 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:
   $h_{48ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ] /8\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 7)$ (2)
   $h_{360ab,sij} = h_{ab,si} + j\ [h_{ab,si+1} - h_{ab,si}\ ] /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59)$ (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:* $h_{ab,ei}$ = 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:
   $h_{48ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ] /8\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 7)$ (4)
   $h_{360ab,eij} = h_{ab,ei} + j\ [h_{ab,ei+1} - h_{ab,ei}\ ] /60\ (\ i = 0, 1, ..., 5;\ j = 0, 1, ..., 59)$ (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*de* produce the output of the device-independent elementary hues