

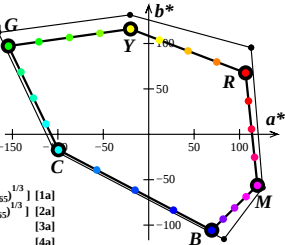
WCGa-Daten rgb^* , XYZ_{xy} und $LabC^*h_{ab}$ im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=2,5$, $Y_{Wn}=88,6$, $Y_{Wa}=88,6$.

$LabC^*h_{ab}$ -Daten

rgb_d^* L_d^* a_d^* b_d^* $C_{ab,d}^*$ $h_{ab,d}$

R_d	1	0	0	57	106	67	126	32
Y_d	1	1	0	93	-20	116	117	99
G_d	0	1	0	82	-154	97	182	147
C_d	0	1	1	85	-99	-17	100	189
B_d	0	0	1	33	69	-105	126	303
M_d	1	0	1	61	119	-56	132	334
N_d	0	0	0	18	0	0	0	19
W_d	1	1	1	95	0	0	0	0



$$a^* = 500 \left[\left(\frac{X}{X_{D65}} \right)^{1/3} - \left(\frac{Y}{Y_{D65}} \right)^{1/3} \right] \quad [1a]$$

$$b^* = 200 \left[\left(\frac{Y}{Y_{D65}} \right)^{1/3} - \left(\frac{Z}{Z_{D65}} \right)^{1/3} \right] \quad [2a]$$

$$C_{ab}^* = \left[a^{*2} + b^{*2} \right]^{0,5} \quad [3a]$$

$$h_{ab} = \text{atan} \left[b^* / a^* \right] \quad [4a]$$