

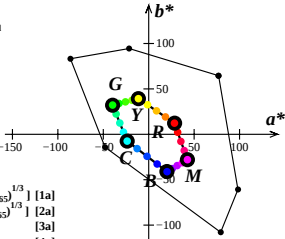
sRGB-Daten rgb^* , XYZxy und LabC*h_{ab} im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=12,4$, $Y_{Wn}=39,7$, $Y_{Za}=18$.

LabC*h_{ab}-Daten

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

R_d	1	0	0	49	28	12	30	23
Y_d	1	1	0	70	-11	39	40	106
G_d	0	1	0	65	-39	32	51	141
C_d	0	1	1	67	-23	-7	24	197
B_d	0	0	1	45	20	-41	45	296
M_d	1	0	1	53	42	-27	50	326
N_d	0	0	0	41	0	0	0	0
W_d	1	1	1	69	0	0	0	0



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

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

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

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