

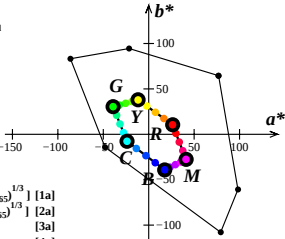
sRGB-Daten rgb^* , XYZxy und LabC*h_{ab} im CIELAB-Farbraum

Normfarbwerte von Schwarz und Weiß: $Y_{Nn}=40,3$, $Y_{Wn}=88,6$, $Y_{Wa}=88,6$.

LabC*h_{ab}-Daten

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

R_d	1	0	0	76	26	10	28	21
Y_d	1	1	0	96	-11	37	39	107
G_d	0	1	0	91	-39	30	49	142
C_d	0	1	1	93	-23	-7	25	197
B_d	0	0	1	72	17	-39	42	294
M_d	1	0	1	79	41	-27	49	326
N_d	0	0	0	69	0	0	0	0
W_d	1	1	1	95	0	0	0	0



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

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

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

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