

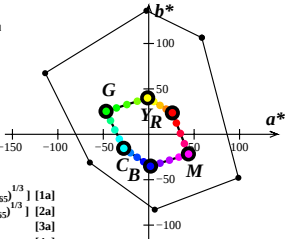
Ostw-Daten rgb^* , XYZ_{xy} und $LabC^*h_{ab}$ im CIELAB-Farbraum

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	55	26	23	35	42
Y_d	1	1	0	65	-1	40	40	91
G_d	0	1	0	61	-46	25	53	151
C_d	0	1	1	60	-27	-15	31	209
B_d	0	0	1	48	1	-35	35	273
M_d	1	0	1	53	43	-21	48	333
N_d	0	0	0	41	0	0	0	0
W_d	1	1	1	69	0	0	0	0



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

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

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

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