

Ostw-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 82 25 20 32 39

Y_d 1 1 0 91 -1 37 37 91

G_d 0 1 0 87 -44 23 50 152

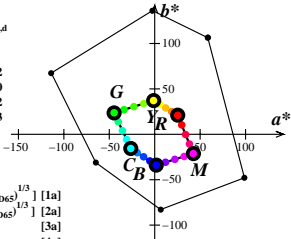
C_d 0 1 1 86 -26 -15 30 210

B_d 0 0 1 75 1 -33 34 272

M_d 1 0 1 80 42 -21 47 333

N_d 0 0 0 69 0 0 0 0

W_d 1 1 1 95 0 0 0 0



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

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

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

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