

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

Normfarbwerte von Schwarz und Weiß:  $Y_N=0,0$ ,  $Y_W=88,6$

$LabC^*h_{ab}$ -Daten

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

$R_d$  1 0 0 55 112 95 147 40

$Y_d$  1 1 0 93 -20 131 133 98

$G_d$  0 1 0 81 -165 112 199 145

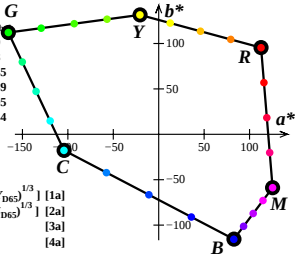
$C_d$  0 1 1 85 -104 -17 105 189

$B_d$  0 0 1 27 82 -115 142 305

$M_d$  1 0 1 60 125 -58 138 334

$N_d$  0 0 0 0 0 0 0 0

$W_d$  1 1 1 95 0 0 0 0



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

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

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

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