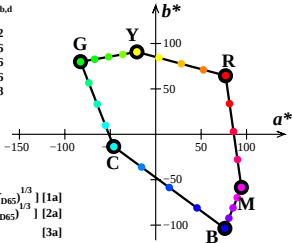


# **sRGB-Daten $rgb^*$ , XYZxy und LabC\*h<sub>ab</sub> im CIELAB-Farbraum**

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

|       | $rgb_d^*$ | $L_d^*$ | $a_d^*$ | $b_d^*$ | $C_{ab,d}^*$ | $h_{ab,d}$ |
|-------|-----------|---------|---------|---------|--------------|------------|
| $R_d$ | 1 0 0     | 50      | 76      | 64      | 100          | 40         |
| $Y_d$ | 1 1 0     | 92      | -20     | 90      | 93           | 102        |
| $G_d$ | 0 1 0     | 83      | -82     | 79      | 115          | 136        |
| $C_d$ | 0 1 1     | 86      | -46     | -13     | 48           | 196        |
| $B_d$ | 0 0 1     | 30      | 76      | -103    | 128          | 306        |
| $M_d$ | 1 0 1     | 57      | 94      | -58     | 110          | 328        |
| $N_d$ | 0 0 0     | 0       | 0       | 0       | 0            | 0          |
| $W_d$ | 1 1 1     | 95      | 0       | 0       | 0            | 0          |



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

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

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

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