

T^*/T^*_u

CIELABn8 relative Dreieckshelligkeit T^*/T^*_n

T^*/T^*_u

$Y_{nc} = L^*_{WRGBnc} = 100, \textcolor{red}{52}, \textcolor{green}{87}, \textcolor{blue}{31}$

2 100

$$T^*_{\text{CIELABn8}} = 100(Y/Y_n)^{1/2,0} + 1 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_N(3,6)=20, T^*_u(18)=43, T^*_W(90)=95$$

1 10

$$T^*_{90}/T^*_u = 2,21, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$$

$$T^*_{18}/T^*_u = 1,00, S_n = 99,21, D_n = 0,78$$

$$T^*_{3,6}/T^*_u = 0,45, T^*_n = 42,87, Y_n = 18$$

0 -1

$$\log[T^*/T^*_u] = 0, m_u = 0,49$$

$$L^*_u = 49, T^*_u = 43$$

Anwendungsbereich

0,1

1

10

100

$Y_n = 3,6$

$Y_u = 18$

$Y_W = 90$

-1

0

1

2

$\log(Y)$