

$\log(T^*)$

CIELABn5-Dreieckshelligkeit T^*

$$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$$

T^*

4 10000

$$T^*_{CIELABn5} = 116(Y/Y_n)^{1/3,0} - 16 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{N(3,6)} = 23, T^*_{u(18)} = 50, T^*_{w(90)} = 96$$

3 1000

$$T^*_{90} = 96,01, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$T^*_{18} = 49,71, S_n = 115,49, D_n = -15,49$$

$$T^*_{3,6} = 22,55, T^*_n = 49,71, Y_n = 18$$

2 100

$$\log[T^*/T^*_u] = 0, m_u = 0,43$$

$$L^*_u = 49, T^*_u = 50$$

Anwendungsbereich

1

0,1

10

1

10

100

Y

Y_u = 18

Y_w = 90

2

log(Y)

-2

-1

0

Y_N = 3,6

1

10

100

Y

log(Y)