

$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$

CIELABu8 relative

Normfarbwertempfindlichkeit

$$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y/Y)_u$$

$$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$$

2 100

$$t^*_{CIELABu8} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY/Y)/(dY/Y)_u] = - (1/2,0) \log(Y/Y_u)$$

1 10

$$(dY/Y)_{90}/(dY/Y)_u = 0,44, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$$

$$(dY/Y)_{18}/(dY/Y)_u = 1,00, S_n = 49,21, D_n = 0,78$$

$$(dY/Y)_{23}/(dY/Y)_u = 1,23, Y_u = 18, dY_u = 4,06$$

Anwendungsbereich

0 1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,49$$

$$t^*_u = 50, dY_u = 4,06, dY_u/Y_u = 0,2257$$

0,1

1

10

100

Y

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$