

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

CIELABu9 relative

Normfarbwertempfindlichkeit

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

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

2 100

$$t^*_{CIELABu9} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY/Y)/(dY/Y)_u] = - (1/1,5) \log(Y/Y_u)$$

1 10

$$(dY/Y)_{90} / (dY/Y)_u = 0,34, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$$

$$(dY/Y)_{18} / (dY/Y)_u = 2,9, S_n = 36,98, D_n = 13,01$$

$$(dY/Y)_{3,6} / (dY/Y)_u = 2,9, Y_u = 18, dY_u = 4,05$$

Anwendungsbereich

0 1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,66$$

$$t^*_u = 50, dY_u = 4,05, dY_u/Y_u = 0,2253$$

0,1

1

10

100

$Y_u = 18$

100 Y

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$