

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

CIELABu3 relative

Normfarbwertempfindlichkeit

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

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

2
100

$$l^*_{CIELABu3} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1
10

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

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

$$(dY/Y)_{3,6} / (dY/Y)_u = 2,23, Y_u = 18, dY_u = 4,06$$

Anwendungsbereich

0
1

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

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

0,1

1

10

100

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

log(Y)