

$\log(\Delta Y/\Delta Y_u)$

CIELABu5 relative

Normfarbwertdifferenz

$Y_{nc} = Y_{W\text{RGB}nc} = 100, 21, 72, 7$

$t^*_{\text{CIELABu5}} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/3,0)] \log(Y/Y_u)$

$\Delta Y/\Delta Y_u$

2 100

1 10

0 1

-1

-2

$dY_{90}/dY_u = 2,92, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$

$dY_{18}/dY_u = 1,00, S_0 = 65,49, D_0 = -15,49$

$dY_{3,6}/dY_u = 0,34, Y_u = 18, dY_u = 4,58$

$t^*_u = 50, dY_u = 4,58, dY_u/Y_u = 0,2544$

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

Anwendungsbereich

0,1

-1

10

1

100

2

$Y_u = 18$

$Y_W = 90$

Y

$\log(Y)$