

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

CIELABu2 relative

Normfarbwertdifferenz

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

$\Delta Y/\Delta Y_u$

2 100

$l^*_{\text{CIELABu2}} = 59(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/2,5)] \log(Y/Y_u)$

1 10

$l^*_u = 50, dY_u = 4,27, dY_u/Y_u = 0,2377$

$\log[(dY)/(dY)_u] = 0, m_u = 0,60$

Anwendungs-
bereich

-1 0,1 1 10 100 $Y_u = 18$ 100 Y

-2 -1 0 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$