log [(ΔY/Y) / (ΔY/Y)ᵤ]

CIELABu1 relative Normfarbwertempfindlichkeit
$Y_{nc}=Y_{W}$, R_8, B_{nc}=100, 2↑, 12↓7

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

$l^*_{CIELABu1}=66(Y/Y_u)^{1/3,0}-16$ $(Y_u=18, Y_{nc}/100<Y<=Y_{nc})$

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

Anwendungs-bereich

$\log[(dY/Y)/(dY/Y)_u]=0, m_u=-0,33$

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

$Y_u=18$

0,1   1   10   100 Y

$Y_N=3,6$ ↓ $Y_W=90$2

−2   −1   0   1   2   log(Y)

BGY10−6A