

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

CIELABu0 relative

tristimulus value difference

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

$\Delta Y/\Delta Y_u$

2 100

$l^*_{\text{CIELABu0}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

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

$dY_{18}/dY_u = 1,00, S_n = 65,49, D_n = -15,49$

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

0 1

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

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

application range

