

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

CIELABu7 relative

tristimulus value difference

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

$\Delta Y/\Delta Y_u$

2
100

$t^*_{\text{CIELABu7}} = 59(Y/Y_u)^{1/2,5} - 9$ ($Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc}$)

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

1
10

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

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

application
range

