

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

CIELABu9 relative
tristimulus value difference

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

$\Delta Y/\Delta Y_u$

2 100

$t^*_{CIELABu9} = 37(Y/Y_u)^{1/1,5} + 13$ ($Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc}$)

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

1 10

$dY_{90}/dY_u = 1,70, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$

$dY_{18}/dY_u = 1,00, S_n = 36,98, D_n = 13,01$

$dY_{3,6}/dY_u = 0,58, Y_u = 18, dY_u = 4,05$

0 1

$t^*_u = 50, dY_u = 4,05, dY_u/Y_u = 0,2253$

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

application
range

