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

CIELABu7 relative tristimulus value difference

$Y_{nc} = L^* w_{R8} G_8 B_{nc} = 100, \ 52, \ 82, \ 31$

$\Delta Y/\Delta Y_u$

2·100

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

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

1·10

$T^*_u = 50, \ dY_u = 4,27, \ dY_{u'} / dY_u = 0,2377$

0·1

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

application range

0·0

0,1   1   10 $^1 Y_u = 100$ Y

$Y_N = 3,6 \ 1$ $Y_W = 902$

-2   -1   0   1   2 $\log(Y)$

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