log ($\Delta Y/Y$)

CIELABn7
tristimulus value sensitivity
$Y_{nc}=L*W_{R}$ $B_{nc}=100, 52, 8\%, 31$

$S_r=(\Delta Y/Y)$

T^*CIELABn7$=109(Y/Y_u)^{1/2,5}-9$ $(Y_n=100, Y_{nc}/100 < Y <= Y_{nc})$

$\log(dY/Y) = \log[2,5(Y_u/108)] - (1/2,5) \log(Y/Y_u)$

$= (1/2,5) \log[2,5(Y_u/108)] - (1/2,5) \log(Y)$

$\log(dY/Y)=-0,59, m_u=-0,4$

application range

$T^*_u=46, dY_u=4,57, dY_u/Y_u=0,2543$

$(dY/Y)_{90}=0,1336, \gamma=2,5, 1/\gamma=1/2,5=0,40$
$(dY/Y)_{18}=0,2543, S_{D}=108,42, D_n=+8,42$
$(dY/Y)_{3,6}=0,4830, Y_u=100, dY_u=4,57$

$Y_{18}=18$

$Y_N=3,6$ $Y_W=90$

log(Y)

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