log (ΔY/Y)

CIELABn8
tristimulus value sensitivity
$Y_{nc} = Y_W$, **r**, **g**, **b**, **n**$c/100 = 100$, **21**, **72**, **7**

$S_r = (\Delta Y/Y)$

t^* CIELABn8 $= 100 (Y/Y_n)^{1/2,0} + 1$ ($Y_n = 100$, $Y_{nc}/100 < = Y_{nc}$)

$\log(dY/Y) = \log[2,0(Y_u/99)] - (1/2,0) \log(Y/Y_u)$

$= (1/2,0) \log[2,0(Y_u/99)] - (1/2,0) \log(Y)$

$\log(dY/Y) = -0,57$, $dY/Y = 0,50$

$t^*_u = 43$, $dY_u = 4,75$, $dY_u/Y_u = 0,26$

application range

$(dY/Y)_{90} = 0,1180$, $\gamma = 2,0$, $1/\gamma = 1/2,0 = 0,50$
$(dY/Y)_{18} = 0,2639$, $S_{u} = 99,21$, $D_{u} = 0,78$
$(dY/Y)_{3,6} = 0,5888$, $Y_u = 100$, $dY_u = 4,75$

$Y_u = 18$

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

log(Y)

BEZ80-5A