log [(ΔY/Y) / (ΔY/Y)$_u$]

CIELABn1 relative tistimulus value sensitivity
$S_r/S_{ru} = (\Delta Y/Y)/(\Delta Y/Y)_u$ $y_{nc} = L^*$ W**R** G**B**n**C**=100, **52, 65, 31**

$L^*_{CIELABn1} = 116(Y/Y_n)^{1/3,0} - 16$ ($Y_n = 100$, $Y_{nc}/100 < Y <= y_{nc}$)
$\log[(dY/Y)/(dY/Y)_u] = -(1/3,0) \log(Y/Y_u)$

$(dY/Y)_{90}/(dY/Y)_u = 0,58$, $\gamma = 3,0$, $1/\gamma = 1/3,0 = 0,33$
$(dY/Y)_{18}/(dY/Y)_u = 1,00$, $S_n = 115,49$, $D_n = -15,49$
$(dY/Y)_{3,6}/(dY/Y)_u = 1,70$, $Y_n = 100$, $dY_u = 4,60$

applic ation range

$\log[(dY/Y)/(dY/Y)_u] = 0$, $m_u = -0,33$
$L^*_u = 50$, $dY_u = 4,60$, $dY_u/Y_u = 0,2555$

$Y_u = 18$

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

log(Y)

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