log (Y/ΔY)

$C_r = (Y/\Delta Y)$

CIELABn9
Normfarbwertkontrast
$Y_{nc} = L^* w_R \, g \, B_{nc} = 100, 52, 8\%, 31$

$2 \cdot 100$

$T^*_{CIELABn9} = 87 \, (Y/Y_n)^{1/1.5} + 13$ $(Y_n = 100, \; Y_{nc}/100 < Y <= Y_{nc})$

$\log(Y/dY) = -\log[1.5(Y_u/86)] + (1/1.5) \log(Y/Y_u)$
$= -(1/1.5) \log[1.5(Y_u/86)] + (1/1.5) \log(Y)$

$1 \cdot 10$

$T^*_u = 41, \; dY_u = 5.40, \; Y_u/dY_u = 3$

$\log(Y/dY) = 0.52, \; m_u = 0.66$

$0 \cdot 1$

$(Y/dY)_{90} = 9.72$
$(Y/dY)_{18} = 3.32, \; S_u = 86.98, \; D_u = 13.01$
$(Y/dY)_{3.6} = 1.14, \; Y_n = 100, \; dY_u = 5.40$

$1/\gamma = 1/1.5 = 0.66$

Anwendungs-bereich

-1

0,1   **1**   **10** $Y_u = 18$ **100** Y

$Y_N = 3.6 \, L$ $Y_W = 90 \, 2$

-2 -1 **0**   **1**   **2**   **log(Y)**

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