log(ΔY) CIELABn1 tristimulus value difference
$Y_{nc} = L^* w_{R} g_{B} c_{Bnc} = 100,$ **52**, **87**, **31**

$L^*_{CIELABn1} = 116 (Y/Y_n)^{1/3,0} - 16$ $(Y_n = 100, Y_{nc}/100 < Y <= Y_{nc})$

$log(dY) = (1/3,0) log[3,0(Y_u/115)] + [1 - (1/3,0)] log(Y)$

$L^*_u = 50, dY_u = 4,60, dY_u/Y_u = 0,2555$

$log(dY) = 4,60, m_u = 0,66$

$dY_{90} = 13,45, \gamma = 3$ $Y_u \cdot r/3,0 = 0,33$
$dY_{18} = 4,60,$ $15,49, D_n = -15,49$
$dY_{3,6} = 1,56, Y_u = 100, dY_n = 4,60$

application range

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

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