$\Delta Y / \Delta Y_u$ ΔY_{CIELAB} **tristimulus-value difference normalized to** $\Delta Y_{u,CIELAB}$

$L^* = 116\ (Y/Y_n)^{1/3} - 16,$ $Y_n=100,\ Y_u=18,\ 1 \le Y_n \le 100$ [1d]

$L^* = k_u (Y/Y_n)^{1/3} - 16,$ $k_u=116\ [Y_u/Y_n]^{1/3}=68,50$ [2d]

$dY/dY_u = (Y/Y_u)^{2/3} = [(Y/Y_n)^{2/3}] / [(Y_u/Y_n)^{2/3}]$ [3d]

W threshold

application range

$(dY)/(dY)_u=1,\ m_u=0,00$

N threshold

$Y_u=18,\ dY_u=0,83,\ dY_u/Y_u=0,045$

$Y_u=18$

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