log(ΔY/ΔYₙ)

CIELABn5 relative
Normfarbwertdifferenz
$Y_{nc}-Y_{W}$RGB$_{nc}$=100, 21, 73: 7

$\Delta Y/\Delta Y_u$

2•100

$t^*CIELABn5 = 116 (Y/Y_n)^{1/3,0} - 16$ $(Y_n = 100, Y_{nc}/100 <= Y <= Y_{nc})$

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

1•10

$dY_{90}/dY_u = 2,92, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$
$dY_{18}/dY_u = 1,00, S_0 = 115,49, D_n = -15,49$
$dY_{3,6}/dY_u = 0,34, Y_n = 100, dY_n = 4,60$

0•1

$t^*_u = 50, dY_u = 4,60, dY_u = 0,2555$

$\log[(dY)/(dY)_u] = 0, m_u = 0,66$

Anwendungs-bereich

0,1

dY_{90}/dY_u

10    $Y_{18} = 18$ 100 Y

0

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

-2   -1   0   1   log(Y)

BGZ50-4A