CIELABn4
tristimulus value difference
$Y_{nc} - Y_{W < Y < B_{nc}} = 100$, 21, 73, 7

$\log(\Delta Y)$

ΔY
2·100

$l^*_{\text{CIELABn4}} = 87 \ (Y/Y_n)^{1/1.5} + 13$ $(Y_n = 100, \ Y_{nc}/100 < Y <= Y_{nc})$

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

1·10

$l^*_u = 41, \ dY_u \le 40, \ dY_u/Y_u = 0.3005$

$\log(dY) = 5.40, \ m_u = 0.33$

0·1

$dY_{90} = 9.25, \ \gamma = 1.5, \ 1/\gamma = 1/1.5 = 0.66$
$dY_{18} = 5.40, \ S_0 = 86.98, \ D_n = 13.01$
$dY_{3.6} = 3.15, \ Y_n = 100, \ dY_n = 5.40$

application range

-1

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

-2   -1 0 $Y_N = 3.6$ $Y_W = 90$ 2 $\log(Y)$

BEZ40−3A