

$\log(\Delta Y/\Delta Y_n)$

CIELABn4 relative
tristimulus value difference

$Y_{nc} = Y_W$ **RGB** $_{nc} = 100, 21, 72, 7$

$\Delta Y/\Delta Y_u$

2 **100**

$l^*_{\text{CIELABn4}} = 87(Y/Y_n)^{1/1,5} + 13 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/1,5)] \log(Y/Y_u)$

1 **10**

$dY_{90}/dY_u = 1,70, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$

$dY_{18}/dY_u = 1,00, S_n = 86,98, D_n = 13,01$

$dY_{3,6}/dY_u = 0,58, Y_n = 100, dY_n = 5,40$

0 **1**

$l^*_u = 41, dY_u = 5,40, dY_u/Y_u = 0,3005$

$\log[(dY)/(dY)_u] = 0, m_u = 0,33$

|
| application
| range

-1
-2

-1
0

1
0

10
1

100
2

$Y_u = 18$

Y

$Y_N = 3,6$

$Y_W = 90$

$\log(Y)$