

$\log [(Y/\Delta Y) / (Y_u/\Delta Y_u)]$

relative CIELAB-

$\log(S_r)$ $S_r/S_{ru} = (Y/\Delta Y)/(Y_u/\Delta Y_u)$ tristimulus value contrast

3-1000

($s=66$, $Y_u=18$, $1/255 < Y < 7$)

$L^*_{\text{CIELAB}} = s(Y/Y_u)^{1/3} - 16$ ($s=66$, $Y_u=18$, $1 < Y \leq 100$)

relative CIELAB-tristimulus value contrast

2-100

$\log[(Y/\Delta Y)/(Y_u/\Delta Y_u)] = \log(Y/Y_u)^{1/3}$

$L^*_{u^*}=50$, $Y_u=18$, $dY_u=0,83$

$L^*_{u^*}=50$, $Y_u=18$, $dY_u=0,83$, $Y_u/dY_u=21$

1-10

$\log[(Y/dY)/(Y_u/dY_u)] = 0$, $m_u = 0,33$

0-1



application
range

0-0

-0,1

0

$Y_N=4$

10

$Y_u=18$

100

y