

$\log (L^*/L^*_u)$ relative IECsRGB lightness

L^*/L^*_u with $Y_n=100$

2 100

relative normalized IECsRGB data

IECsRGB lightness for all colours with $L^*_u=50$:

$L^*_{IECsRGB}=s(Y/Y_n)^{1/2,4}$ ($s=100$, $Y_n=100$, $1/255 < Y \leq 100$)

1 10

$L^*_u=50$, $Y_u=18$

$\log[(L^*)/(L^*_u)]=0$, $m_u=0,41$

application
range

