

l^* IECsRGBu3 standard lightness l^* $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$

4 10000
3 1000
2 100
1

 $l^*_{IECsRGBu3}=50(Y/Y_u)^{1/1,6} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$ $l^*_{N(3,6)}=18, l^*_u(18)=50, l^*_w(90)=137$ $\log[l^*/l^*_u]=0, m_u=0,62$ $L^*_u=49, l^*_u=50$

application range

0,1

1

10

100

Y

 $Y_N=3,6$

1

10

100

Y

 $Y_u=18$ $Y_w=90$

2

 $\log(Y)$