

relative IECsRGB lightness

with $Y_u=18$

2+100

relative normalized IECsRGB data

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

$$L^*_{\text{IECsRGB}} = s(Y/Y_{\text{u}})^{1/2,4} \quad (s=50, Y_{\text{u}}=18, 1/255 < Y < 100)$$

1+10

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

$$\log[(L^*)/(L^*_{\text{u}})]=0, \quad m_{\text{u}}=0,41$$

application range

0.1

$$Y_N=4$$
$$Y_{11} = 18,100 \text{ y}$$

100

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