

CIE10 spectral tristimulus values $\bar{y}_{\max}(\lambda)=1$

$$\bar{y}_{10,1}(\lambda)=A_{21}\bar{l}_{10,1}(\lambda)+A_{22}\bar{m}_{10,1}(\lambda)+A_{23}\bar{s}_{10,1}(\lambda)$$

$$A_{2j} \quad 0,3709 \quad 0,6290 \quad -0,000 \quad (\lambda \sim 545)$$

$$D65: \Sigma \bar{y}_{10,1}(\lambda)=22,80$$

$$\bar{y}_0=\bar{y}_{10,1}(\lambda)$$

$$x_{10,1}=0,3137 \quad y_{10,1}=0,3309$$

$$\bar{y}_1=A_{21}\bar{l}_{10,1}(\lambda)$$

$$a=\bar{y}_{10,1}(\lambda_a)/\bar{m}_{10,1}(\lambda_a)$$

$$\bar{y}_2=A_{22}\bar{m}_{10,1}(\lambda)$$

$$b=\bar{y}_{10,1}(\lambda_a)/\bar{l}_{10,1}(\lambda_a)$$

$$\bar{y}_3=a\bar{y}_2-b\bar{y}_1$$

$$\bar{y}_4=b\bar{y}_1-a\bar{y}_2$$

Adaptation:

$$\lambda_a=570\text{nm}$$

D65

