

Antagonistic Eigen and Gegen colour values $\log(E)$ and $\log(G)$, $X_u=Y_u=Z_u=50$

Chromatic and tristimulus Eigen value $\log(E)$ for $X_E-Y_E>0$, $Y_E-Y_u>0$

$$\log(E)=\log(X_E-X_u-(Y_E-Y_u))=2, \log[Y_E-Y_u]=1,6$$

Chromatic and tristimulus Gegen value $\log(G)$ for $X_E-Y_E<0$, $Y_E-Y_u<0$

$$\log(G)=-\log(X_E-Y_E)=-2, \log[Y_E-Y_u]=-1,6$$

$$\text{Eigen purity: } \log(p_E)=\log(X_E-Y_E) + \log(Y_E-Y_u)=3,6$$

$$\text{Gegen purity: } \log(p_G)=-\log(X_E-Y_E) + \log(Y_G-Y_u)=-3,6$$

