

CIEBasedABC-color space in PSL2

$OLV_n^* \rightarrow OLV_n \rightarrow XYZ_{\text{soll},n}$

NEC-screen phosphors, NeXT, D65

$O = \text{Decode } O^* = \{1.16 \text{ mul } 1.63 \text{ exp}\}$

$L = \text{Decode } L^* = \{1.15 \text{ mul } 1.62 \text{ exp}\}$

$V = \text{Decode } V^* = \{1.21 \text{ mul } 1.51 \text{ exp}\}$

$$\begin{pmatrix} X \\ Y \\ Z \end{pmatrix} = \begin{pmatrix} 0,447 & 0,545 & 0,055 \\ 0,191 & 0,904 & -0,056 \\ -0,050 & 0,120 & 0,952 \end{pmatrix} \times \begin{pmatrix} O \\ L \\ V \end{pmatrix}$$