

basic and mixed colors of standard color television by DIN 6169

basic color or mixed color and name	CIE standard chromaticity		CIE standard tristimulus value		
	x	y	X	Y	Z
<i>three additive basic colors and White:</i>					
$O = R_d$ Orange red	0,6400	0,3300	43,03+44%	22,19+44%	2,02+44%
$L = G_d$ Leaf green	0,2900	0,6000	34,16+44%	70,68+44%	12,96+44%
$V = B_d$ Violet blue	0,1415	0,0482	17,82+44%	7,13+44%	93,87+44%
W White	0,3127	0,3291	95,01+0%	100,00+0%	108,85+0%

$$2$$

$$rgb\ l^*: \quad \quad \quad 1,0\ 0,0\ 0,0 = 1,0\ 0,0\ 0,0$$

$$rgb\ l^*: \quad \quad \quad 1,0\ 1,0\ 1,0 \rightarrow 0,8\ 0,8\ 0,8$$

$$L^* C^*_{ab}$$

$$i^* = l^* + 0,5\ c^*$$

$$n^* = 1 - i^*$$