

Colorimetric data of six chromatic basic colours $X = RYGBM$ of a device (d) or elementary (e) system

colori- metric name	family	family member	coordinate kind	coordinate (compare CIELAB $L^*, C^*_{ab}, h^*_{ab}, a^*, b^*$)	coordinate name
<i>standard</i> CIELAB	LAB^*	$LAB^*LCH^*_X$ or $LAB^*LAB^*_X$	cylindrical or kartesic	$L^*_X = LAB^*L^*_X$ $C^*_X = LAB^*C^*_{ab,M}$ $H^*_X = LAB^*h^*_{ab,M}$ $A^*_X = LAB^*a^*_X$ $B^*_X = LAB^*b^*_X$	lightness chroma hue angle red green chroma yellow blue chroma
<i>adapted</i> CIELAB (a)	LAB^*_a	$LAB^*_aLCH^*_{a,X}$ or $LAB^*_aLAB^*_{a,X}$	cylindrical or kartesic	$L^*_{a,X} = LAB^*_aL^*_{a,X}$ $C^*_{a,X} = LAB^*_aC^*_{a,X}$ $H^*_{a,X} = LAB^*_aH^*_{a,X}$	adapted lightness (= L^*_X) adapted chroma adapted hue angle ($0 \leq H^*_{a,X} \leq 360$)
<i>relative</i> CIELAB (r)	lab^*	$lab^*lch^*_X$ or $lab^*lab^*_X$	cylindrical or kartesic	$l^*_X = lab^*l^*_X$ $c^*_X = lab^*c^*_X$ $h^*_X = lab^*h^*_X$	relative lightness relative chroma relative hue ($0,00 \leq h^*_X \leq 1,00$)