Colorimetric data of six chromatic basic colours *X = OYLCVM* of a device system

colori-metric name	family	family member	coordinate kind	coordinate (compare CIELAB L^*, C^*_{ab}, h_{ab}, a^*, b^*)	coordinate name
standard CIELAB	***LAB****	***LAB*LCH*** $_X$ or ***LAB*LAB*** $_X$	zylindric 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
adapted CIELAB (a)	***LAB**** $_a$	***LAB**** $_a$***LCH**** $_{a,X}$ or ***LAB**** $_a$***LAB**** $_{a,X}$	zylindric 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 <= $H^*_{a,X}$ <= *360*)
relative CIELAB (r)	***lab****	***lab*lch**** $_X$ or ***lab*lab**** $_X$	zylindric 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 <= h^*_X <= *1,00*)

YE960−3

Colorimetric data of maximum colours *M* of a device system

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

YE960−7

Colorimetric *standard* CIELAB data and linearly related *adapted* and *relative* CIELAB data

colori-metric name	family	family member	coordinate kind	coordinate (compare CIELAB L^*, C^*_{ab}, h_{ab}, a^*, b^*)	coordinate name
standard CIELAB	***LAB****	***LAB*LCH**** or ***LAB*LAB****	zylindric or kartesic	$L^* = LAB^*L^*$ $C^* = LAB^*C^*_{ab}$ $H^* = LAB^*h_{ab}$ $A^* = LAB^*a^*$ $B^* = LAB^*b^*$	lightness chroma hue angle red green chroma yellow blue chroma
adapted CIELAB (a)	***LAB**** $_a$	***LAB**** $_a$***LCH**** $_a$ or ***LAB**** $_a$***LAB**** $_a$	zylindric or kartesic	$L^*_a = LAB^*_aL^*_a$ $C^*_a = LAB^*_aC^*_a$ $H^*_a = LAB^*_aH^*_a$	adapted lightness (= L^*) adapted chroma adapted hue angle (0 <= H^*_a <= *360*)
relative CIELAB (r)	***lab****	***lab*lch**** or ***lab*lab**** or ***lab*tch**** or ***lab*tab****	zylindric kartesic zylindric kartesic	$l^* = lab^*l^*$ $c^* = lab^*c^*$ $h^* = lab^*h^*$ $a^*_r = lab^*a^*_r$ $b^*_r = lab^*b^*_r$ $t^* = lab^*t^*$	relative lightness relative chroma relative hue relative a-red green chroma relative b-yellow blue chroma relative triangle lightness
		lab*nch* or ***lab*nce**** or ***lab*ncu**** or ***lab*tce**** or ***lab*trj****	triangle-zylindric triangle-zylindric triangle-zylindric zylindric kartesic	$n^* = lab^*n^*$ $c^* = lab^*c^*$ $h^* = lab^*h^*$ $e^* = lab^*e^*$ $u^* = lab^*u^*$ $r^* = lab^*r^*$ $j^* = lab^*j^*$ $t^* = lab^*t^*$	relative blackness relative chroma relative hue relative elementary hue text relative elementary hue relative r-red green chroma relative j-yellow blue chroma relative triangle lightness
		lab*olv* $_3$	kartesic	$o^*_3 = lab^*o^*_3$ $l^*_3 = lab^*l^*_3$ $v^*_3 = lab^*v^*_3$	relative orange red value relative leaf green value relative violett blue value
		lab*cmy* $_3$	kartesic	$c^*_3 = lab^*c^*_3$ $m^*_3 = lab^*m^*_3$ $y^*_3 = lab^*y^*_3$	relative cyan blue value relative magenta red value relative yellow value
		lab*rgb $_3$	kartesic	$r^*_3 = lab^*r^*_3$ $g^*_3 = lab^*g^*_3$ $b^*_3 = lab^*b^*_3$	relative elementary red value relative elementary green value relative elementary blue value
		lab*c'm'j* $_3$	kartesic	$c^{*\prime}_3 = lab^*c^{*\prime}_3$ $m^{*\prime}_3 = lab^*m^{*\prime}_3$ $j^*_3 = lab^*j^*_3$	relative cyan blue dash value relative magenta red dash value relative elementary yellow value

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