Colorimetric data of six chromatic basic colours *X* = *RYGCBM* 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
standard 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
adapted CIELAB (a)	***LAB*** $_a$	***LAB*** $_a$***LCH*** $_{a,X}$ or ***LAB*** $_a$***LAB*** $_{a,X}$	cylindrical or kartesic	***L*** $_{a,X}$ = ***LAB*** $_a$***L*** $_{a,X}$ ***C*** $_{a,X}$ = ***LAB*** $_a$***C*** $_{a,X}$ ***H*** $_{a,X}$ = ***LAB*** $_a$***H*** $_{a,X}$	adapted lightness (= L^*_X) adapted chroma adapted hue angle ($0 <= H^*_{a,X} <= 360$)
relative CIELAB (r)	***lab****	***lab*lch*** $_X$ or ***lab*lab*** $_X$	cylindrical or kartesic	***l*** $_X$ = ***lab*l*** $_X$ ***c*** $_X$ = ***lab*c*** $_X$ ***h*** $_X$ = ***lab*h*** $_X$	relative lightness relative chroma relative hue ($0{,}00 <= h^*_X <= 1{,}00$)

SF580−3

Colorimetric data of maximum colours *M* 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
standard CIELAB	***LAB****	***LAB*LCH*** $_M$ or ***LAB*LAB*** $_M$	cylindrical 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*** $_{a,M}$	cylindrical or kartesic	***L*** $_{a,M}$ = ***LAB*** $_a$***L*** $_{a,M}$ ***C*** $_{a,M}$ = ***LAB*** $_a$***C*** $_{a,M}$ ***H*** $_{a,M}$ = ***LAB*** $_a$***H*** $_{a,M}$	adapted lightness (= L^*_M) adapted chroma adapted hue angle ($0 <= H^*_{a,M} <= 360$)
relative CIELAB (r)	***lab****	***lab*lch*** $_M$ or ***lab*lab*** $_M$	cylindrical or kartesic	***l*** $_M$ = ***lab*l*** $_M$ ***c*** $_M$ = ***lab*c*** $_M$ ***h*** $_M$ = ***lab*h*** $_M$	relative lightness relative chroma relative hue ($0{,}00 <= h^*_M <= 1{,}00$)

SF580−7

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***	cylindrical 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*** $_a$	cylindrical or kartesic	***L*** $_a$ = ***LAB*** $_a$***L*** $_a$ ***C*** $_a$ = ***LAB*** $_a$***C*** $_a$ ***H*** $_a$ = ***LAB*** $_a$***H*** $_a$	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***	cylindrical kartesic cylindrical 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*try***	triangle-cylindrical triangle-cylindrical triangle-cylindrical cylindrical kartesic	***n* = lab*n*** ***c* = lab*c*** ***h* = lab*h*** ***e* = lab*e*** ***u* = lab*u*** ***r* = lab*r*** ***y* = lab*y*** ***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*rgb $_d$	kartesic	***r*** $_d$ = ***lab*r*** $_d$ ***g*** $_d$ = ***lab*g*** $_d$ ***b*** $_d$ = ***lab*b*** $_d$	relative device red relative device green relative device blue
		lab*cmy $_d$	kartesic	***c*** $_d$ = ***lab*c*** $_d$ ***m*** $_d$ = ***lab*m*** $_d$ ***y*** $_d$ = ***lab*y*** $_d$	relative device cyan relative device magenta relative device yellow
		lab*rgb $_e$	kartesic	***r*** $_e$ = ***lab*r*** $_e$ ***g*** $_e$ = ***lab*g*** $_e$ ***b*** $_e$ = ***lab*b*** $_e$	relative elementary red relative elementary green relative elementary blue
		lab*cmy $_e$	kartesic	***c*** $_e$ = ***lab*c*** $_e$ ***m*** $_e$ = ***lab*m*** $_e$ ***y*** $_e$ = ***lab*y*** $_e$	relative elementary cyan relative elementary magenta relative elementary yellow

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