

Colorimetric data of six chromatic basic colours X = RYGBM of a device (d) or elementary (e) system					
colorimetric 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	$L^*_{a,X} = LAB^*_L^*_{a,X}$ $C^*_{a,X} = LAB^*_C^*_{a,X}$ $H^*_{a,X} = LAB^*_H^*_{a,X}$	adapted lightness (= L^*_X) adapted chroma adapted hue angle ($0 \leq H^*_{a,X} < 360$)
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 ($0,00 \leq h^*_X < 1,00$)

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Colorimetric data of maximum colours M of a device (d) or elementary (e) system					
colorimetric 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	$L^*_{a,M} = LAB^*_L^*_{a,M}$ $C^*_{a,M} = LAB^*_C^*_{a,M}$ $H^*_{a,M} = LAB^*_H^*_{a,M}$	adapted lightness (= L^*_M) adapted chroma adapted hue angle ($0 \leq H^*_{a,M} < 360$)
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 ($0,00 \leq h^*_M < 1,00$)

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Colorimetric standard CIELAB data and linearly related adapted and relative CIELAB data					
colorimetric name	family	family member	coordinate kind	coordinate (compare CIELAB $L^*, C^*_{ab}, h^*_{ab}, a^*, b^*$)	coordinate name
standard CIELAB	LAB*	LAB* LCH^*_a or LAB* LAB^*_a	cylindrical or kartesic	$L^*_a = LAB^*_L^*_a$ $C^*_a = LAB^*_C^*_{ab}$ $H^*_a = LAB^*_h^*_{ab}$ $A^*_a = LAB^*_a^*_a$ $B^*_a = LAB^*_b^*_a$	lightness chroma hue angle red green chroma yellow blue chroma
adapted CIELAB (a)	LAB _a *	LAB _a * $LCH^*_{a,a}$ or LAB _a * $LAB^*_{a,a}$	cylindrical or kartesic	$L^*_a = LAB^*_L^*_a$ $C^*_a = LAB^*_C^*_{a,a}$ $H^*_a = LAB^*_H^*_{a,a}$	adapted lightness (= L^*_a) adapted chroma adapted hue angle ($0 \leq H^*_a < 360$)
relative CIELAB (r)	lab*	lab* lch^*_a or lab* lab^*_a or lab* lch^*_a or lab* lab^*_a	cylindrical or kartesic	$l^*_a = lab^*_l^*_a$ $c^*_a = lab^*_c^*_a$ $h^*_a = lab^*_h^*_a$ $a^*_a = lab^*_a^*_a$ $b^*_a = lab^*_b^*_a$ $t^*_a = lab^*_t^*_a$	relative lightness relative chroma relative hue relative a-red green chroma relative b-yellow blue chroma relative triangle lightness
		lab* nch^*_a or lab* $nice^*_a$ or lab* $nrcu^*_a$ or lab* $nice^*_a$ or lab* $ntry^*_a$	triangle-cylindrical triangle-cylindrical triangle-cylindrical cylindrical kartesic	$n^*_a = lab^*_n^*_a$ $c^*_a = lab^*_c^*_a$ $h^*_a = lab^*_h^*_a$ $e^*_a = lab^*_e^*_a$ $u^*_a = lab^*_u^*_a$ $r^*_a = lab^*_r^*_a$ $y^*_a = lab^*_y^*_a$ $t^*_a = lab^*_t^*_a$	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^*_a	kartesic	$r^*_a = lab^*_r^*_a$ $g^*_a = lab^*_g^*_a$ $b^*_a = lab^*_b^*_a$	relative device red relative device green relative device blue
		lab* cmy^*_a	kartesic	$c^*_a = lab^*_c^*_a$ $m^*_a = lab^*_m^*_a$ $y^*_a = lab^*_y^*_a$	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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TUB-test chart SE58; Colour coordinates DIN 33872-1
Basic and maximum colours, and colorimetric data

input: w/rgb/cmyk -> w/rgb/cmyk-
output: no change