Linear relation CIELAB (*L*,a*,b**) and _adapted (a)_ CIELAB (*C**_{ab,a}*, L**)
System: LE16_sRGB display 0%_Fadin
Hue: *h**_{L00C}=151/360; *h**_{M00C}=354/360

$l*_{lab} = (L* - L*_N) / (L*_W - L*_N)$
$a*_a = a* - a*_N - l*_{lab} [a*_W - a*_N]$
$b*_a = b* - b*_N - l*_{lab} [b*_W - b*_N]$
$C*_{ab,a} = [a*_a{}^2 + b*_a{}^2]^{1/2}$

lightness $L*$

100

L00C

50

(*C**_{ab,a,M},
*L**_M)

M00C

chroma $C*_{ab,a}$

−100   −50   0   50   100
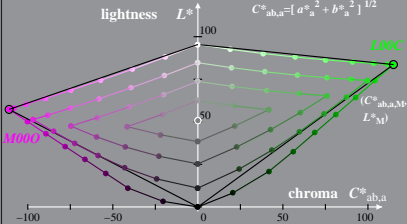
LE160−3A, 0%_Fadin 0

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**$_{ab,a}$, *L**)
System: LE16_sRGB display 0%_Faeit
Hue: *h**$_{G00B}$=162/360; *h**$_{B50R}$=329/360

$l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab^*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^*_a{}^2 + b^*_a{}^2]^{1/2}$

lightness *L**

100

G00B

50

$C^*_{ab,a,M}$,
L^*_M

B50R

chroma *C**$_{ab,a}$

−100   −50   0   50   100

LE160−3A, 0%_Faeit 1