Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**~ab,a~, *L**)
LE44_LECD display_2 0%_Fadin
Hue: *h**~V00L~=96/360; *h**~V00M~=305/360

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

lightness   *L**

100

Y00...

50

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

chroma   *C**~ab,a~

−100   −50   0   50   100

LE440−2A, 0%_Fadin 0

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
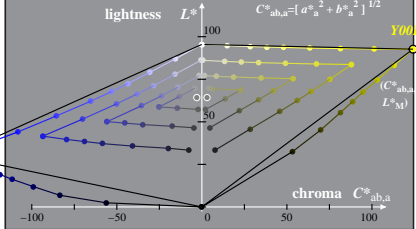LE44_LECD display_2 0%_Faeit
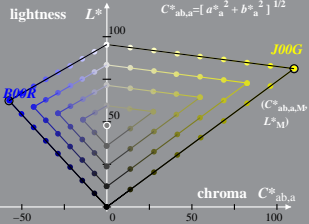Hue: h^*_{J00G}=92/360; h^*_{B00R}=272/360

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

J00G

B00R

50

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

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

−100   −50   0   50   100

LE440−2A, 0%_Faeit 1

Linear relation CIELAB (*L, *a**, *b**) and *adapted (a)* CIELAB (*C**ₐᵦ, *L**)
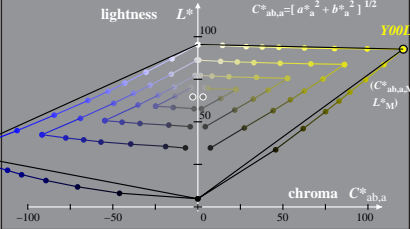LE44_LECD display_2 0,6%_Fadin
Hue: *h**ᵧ₀₀L=96/360; *h**ᵧ₀₀M=305/360

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

lightness L^*

Y₀₀L

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

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

LE440−2A, 0,6%_Fadin 0

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**$_{ab,a}$, *L**)
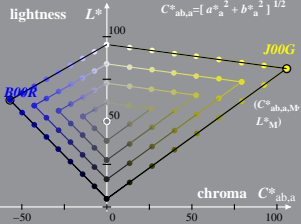LE44_LECD display_2 0,6%_Faeit
Hue: *h**$_{J00G}$=92/360; *h**$_{B00R}$=272/360

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

lightness $L*_M$

100

J00G

B00R

50

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

chroma $C*_{ab,a}$

−100   −50   0   50   100

LE440−2A, 0,6%_Faeit 1

Linear relation CIELAB (*L**, *a**, *b**) and *adapted* (*a*) CIELAB (*C**$_{ab,a}$, *L**)
LE44_LECD display_2 1,2%_Fadin
Hue: *h**$_{Y00L}$ =96/360; *h**$_{Y00M}$=305/360

$l^*{}_{lab} = (L^* - L^*{}_N) / (L^*{}_W - L^*{}_N)$

$a^*{}_a = a^* - a^*{}_N - l^*{}_{lab} \cdot [a^*{}_W - a^*{}_N]$

$b^*{}_a = b^* - b^*{}_N - l^*{}_{lab} \cdot [b^*{}_W - b^*{}_N]$

$C^*{}_{ab,a} = [a^*{}_a{}^2 + b^*{}_a{}^2]^{1/2}$

lightness   *L**

Y00L

100

(C*$_{ab,a,M}$

$L^*{}_M$)

50

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

−100   −50   0   50   100
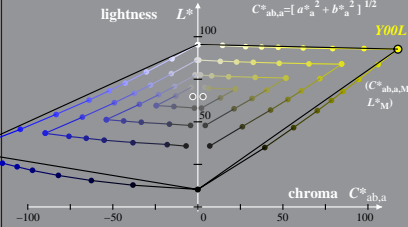
LE440−2A, 1,2%_Fadin 0

LE440−2A, 1,2%_Faeit 1

Linear relation CIELAB (L^*, a^*, b^*) and *adapted* (*a*) CIELAB ($C^*_{ab,a}$, L^*)
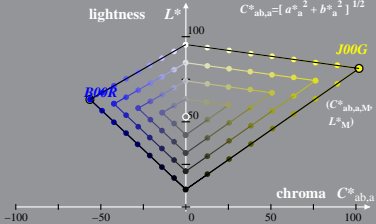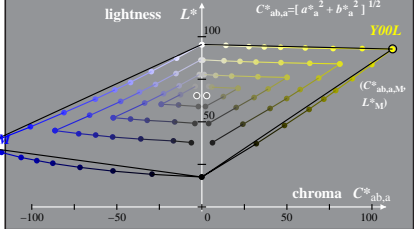LE44_LECD display_2 2,5%_Fadin
Hue: h^*_{V00L}=96/360; h^*_{V00M}=305/360

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^*

$Y00L$

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

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

LE440−2A, 2,5%_Fadin 0

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C*ab,a*, *L**)
LE44_LECD display_2 2,5%_Faeit
Hue: *h**J00G=92/360; *h**B00R=272/360

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

lightness   *L**

B00R

J00G

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

chroma   *C*ab,a*

LE440−2A, 2,5%_Faeit 1

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**ab,a, *L**)
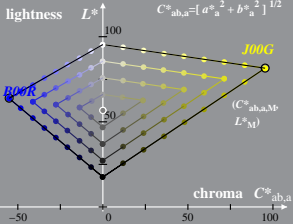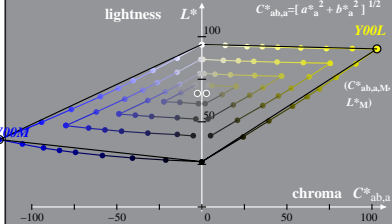LE44_LECD display_2 5%_Fadin
Hue: *h**V00L=96/360; *h**V00M=305/360

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

lightness   *L**

                                                    Y00L

                              100

                              50   (*C**ab,a,M,
                                                     L*M)

V00M

                                                    chroma   *C**ab,a

−100   −50   0   50   100

LE440−2A, 5%_Fadin 0

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**ab,a, *L**)
LE44_LECD display_2 5%_Faeit
Hue: *h**J00G=92/360; *h**B00R=272/360

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

lightness   *L**

100

J00G

B00R

50

(*C**ab,a,M,
*L**M)

chroma   *C**ab,a

−100   −50   0   50   100

LE440−2A, 5%_Faeit 1

Linear relation CIELAB (L^*, a^*, b^*) and *adapted* (a) CIELAB ($C^*_{ab,a}$, L^*)
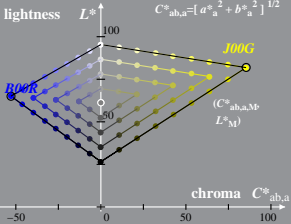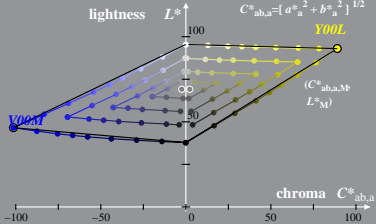LE44_LECD display_2 10%_Fadin
Hue: $h^*_{Y00L} = 96/360$; $h^*_{Y00M} = 305/360$

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

lightness L^*

100

Y00L

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

00

Y00M

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

−100   −50   0   50   100

LE440−2A, 10%_Fadin 0

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
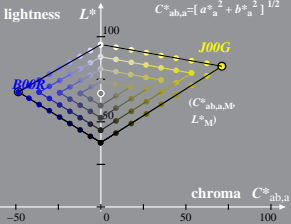LE44_LECD display_2 10%_Faeit
Hue: h^*_{J00G}=92/360; h^*_{B00R}=272/360

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

lightness L^*

100

J00G

B00R

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

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

−100   −50   0   50   100

LE440−2A, 10%_Faeit 1

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
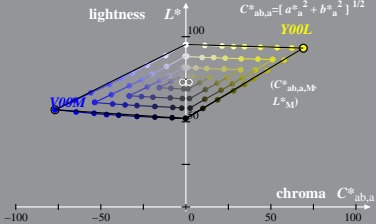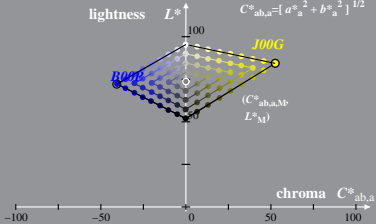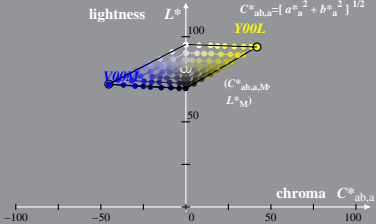LE44_LECD display_2 20%_Fadin
Hue: h^*_{Y00L}=96/360; h^*_{V00M}=305/360

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

lightness L^*

Y00L

V00M

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

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

LE440−2A, 20%_Fadin 0

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)
LE44_LECD display_2 20%_Faeit
Hue: h^*_{J00G}=92/360; h^*_{B00R}=272/360

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

lightness L^*

100

B00R   *J00G*

0

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

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

−100   −50   0   50   100

LE440−2A, 20%_Faeit 1

Linear relation CIELAB (*L**, *a**, *b**) and *adapted (a)* CIELAB (*C**ab,a, *L**)
LE44_LECD display_2 40%_Fadin
Hue: h*$_{Y00L}$=96/360; h*$_{V00Nf}$=305/360

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

LE440−2A, 40%_Fadin 0

LE440-2A, 40%_Faeit 1