

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
LE46_LCD projector_1 0%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

b^*_{lab*} M =Maximum colour

Y00L

O00Y

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

relative chroma

$$a^*_{lab*}$$

L00C

C00V

M00O

V00M

LE460-8A, 0%_Fadin 0

Adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*_{lab*}, l^*_{lab*})
 LE46_LCD projector_1 0%_Faeit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

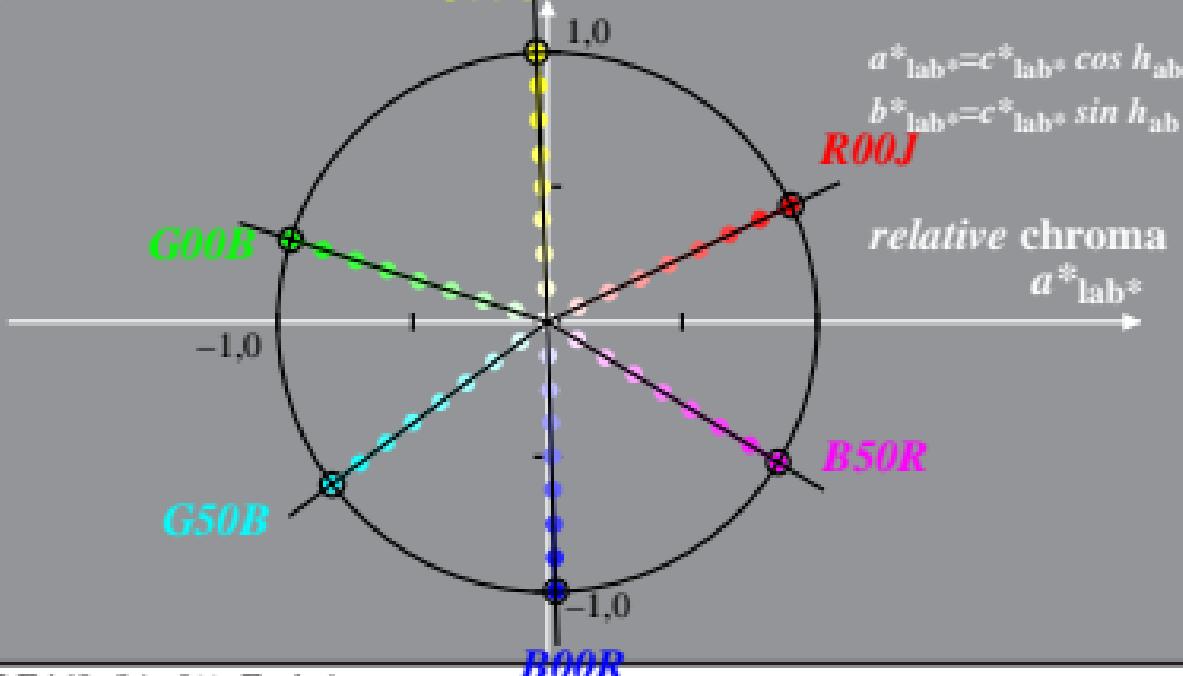
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G



$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

R00J

relative chroma

$$a^*_{lab*}$$

B50R

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

LE46_LCD projector_1 0,6%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

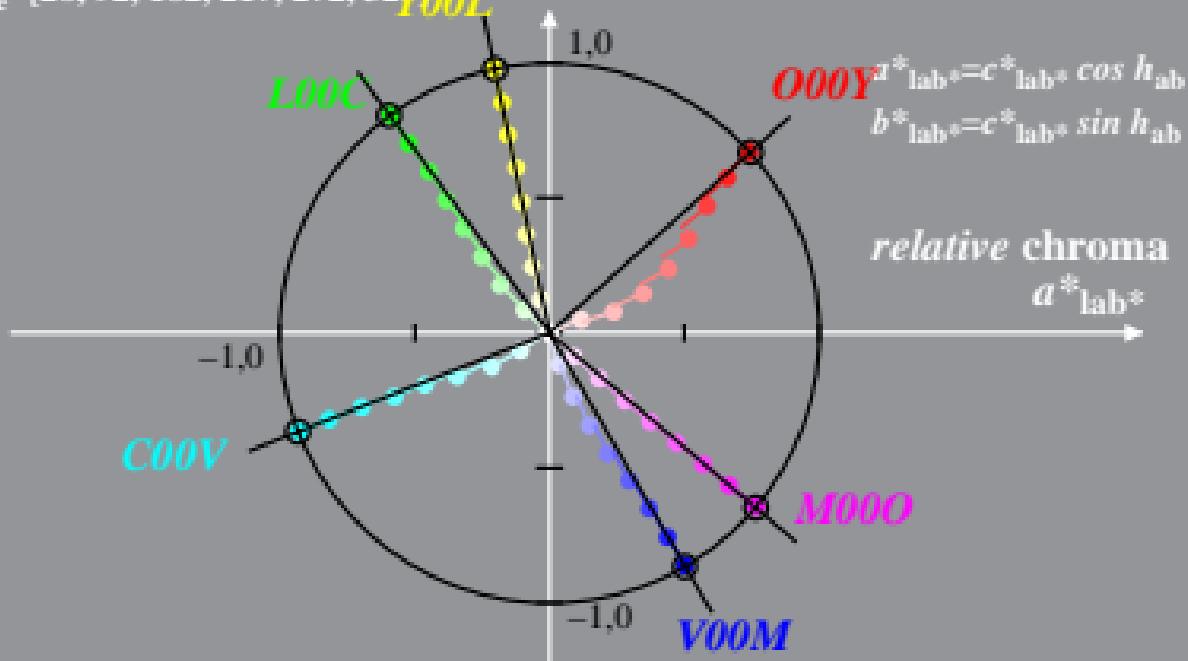
CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

Y00L



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 LE46_LCD projector_1 0,6%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

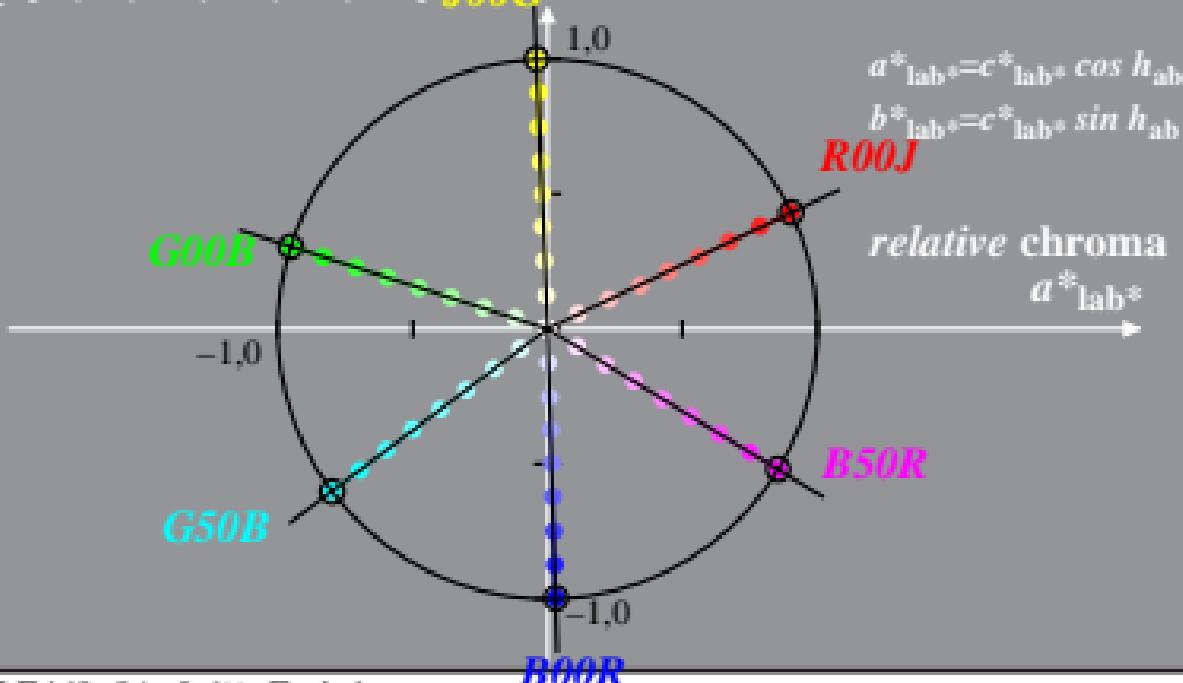
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
LE46_LCD projector_1 1,2%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

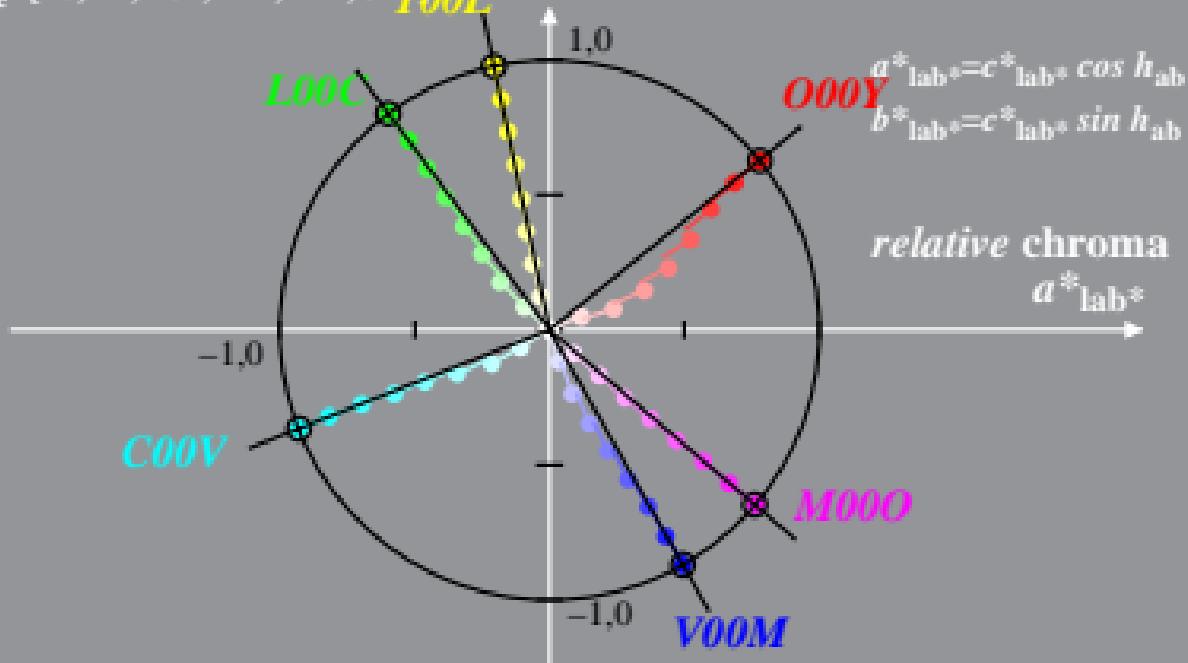
CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

Y00L



$$\begin{aligned} a^*_{lab*} &= c^*_{lab*} \cos h_{ab} \\ b^*_{lab*} &= c^*_{lab*} \sin h_{ab} \end{aligned}$$

relative chroma

$$a^*_{lab*}$$

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 LE46_LCD projector_1 1,2%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

R00J

relative chroma

$$a^*_{lab*}$$

G00B

-1,0

1

B50R

B00R

G50B

-1,0

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
LE46_LCD projector_1 2,5%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

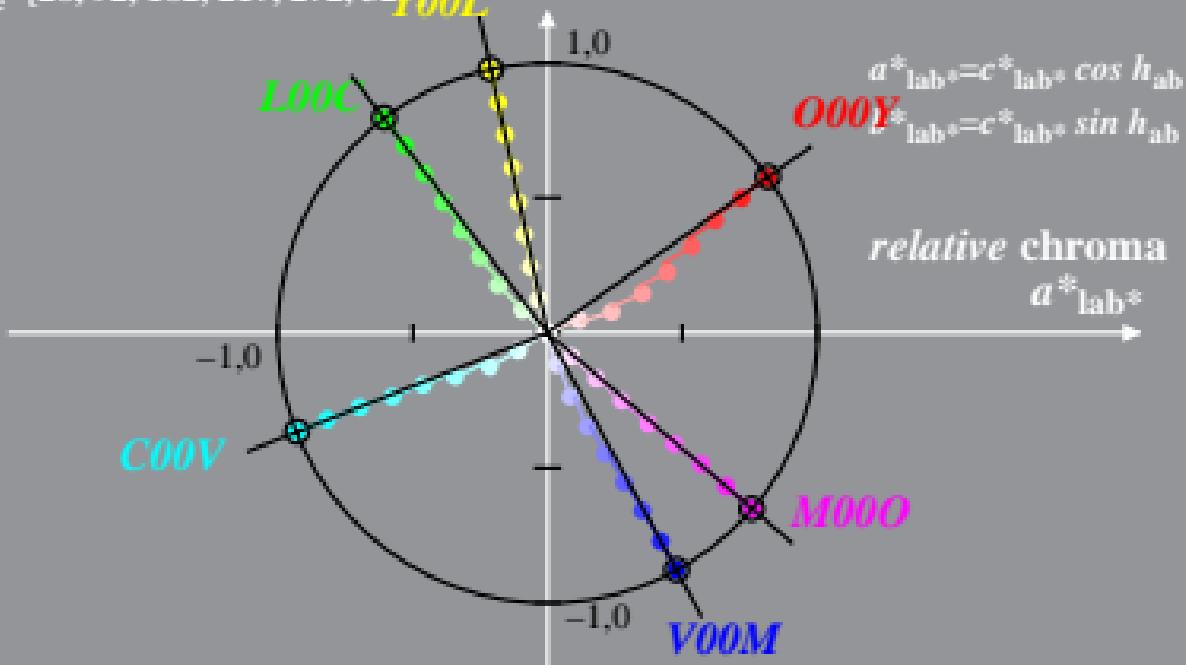
CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

Y00L



relative chroma

$$a^*_{lab*}$$

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
LE46_LCD projector_1 2,5%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

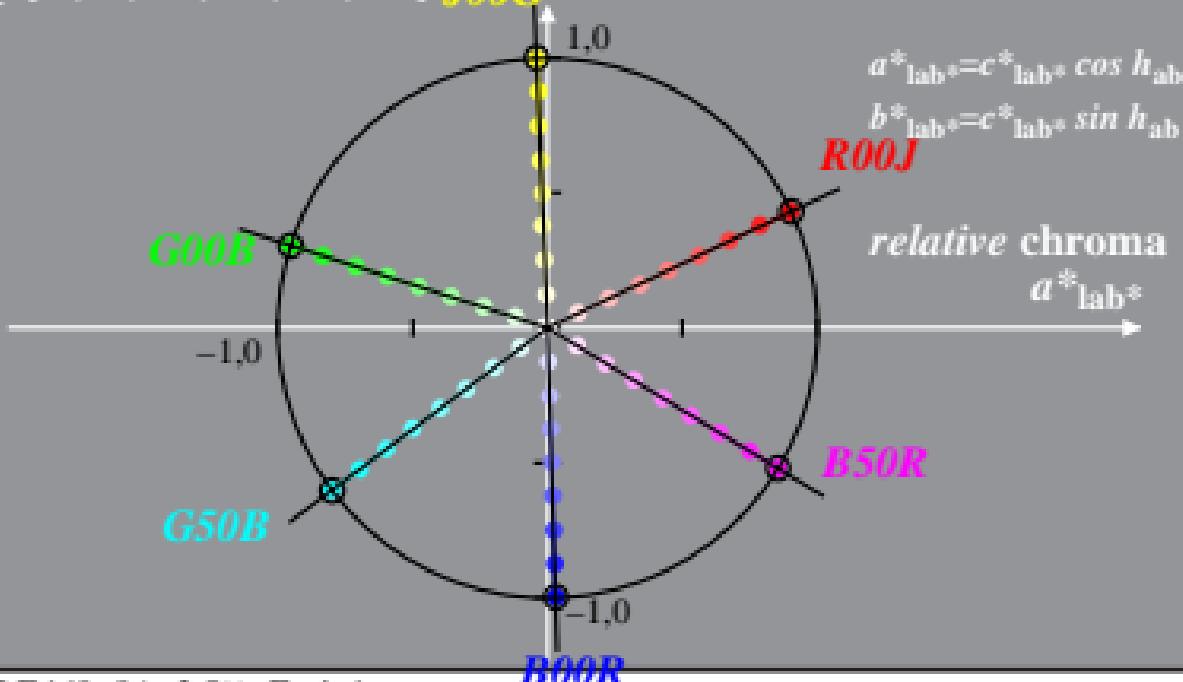
CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

J00G



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 LE46_LCD projector_1 5%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

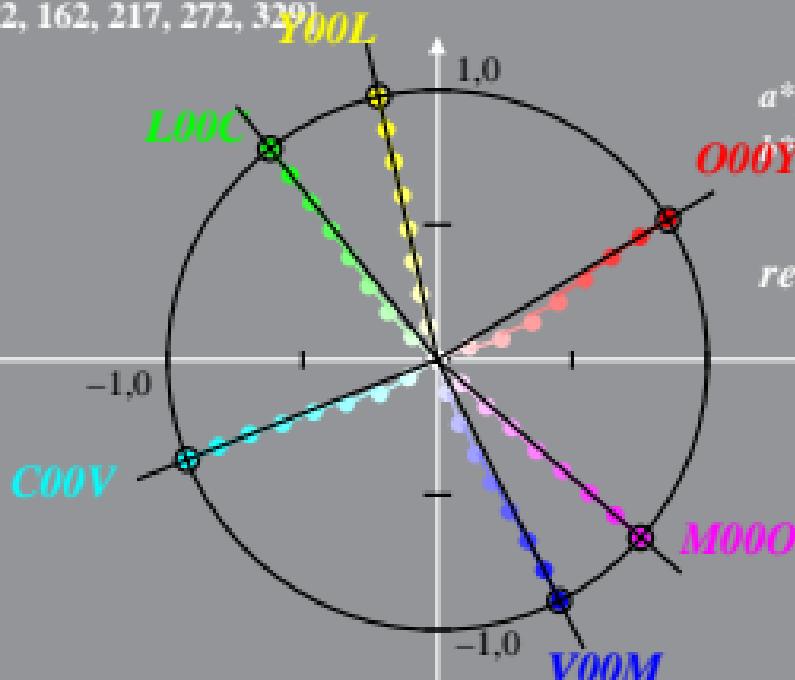
b^*_{lab*} M =Maximum colour

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

relative chroma

$$a^*_{lab*}$$



Adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*_{lab*}, l^*_{lab*})
 LE46_LCD projector_1 5%_Faeit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

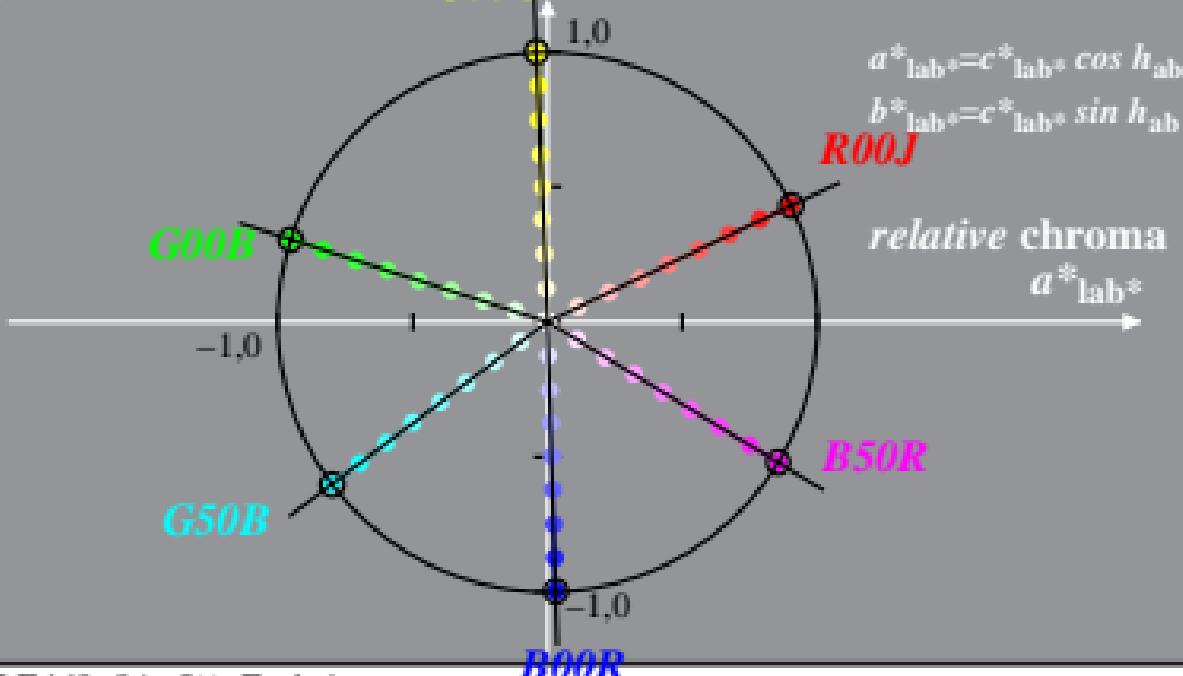
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G



$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

R00J

relative chroma

$$a^*_{lab*}$$

B50R

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
LE46_LCD projector_1 10%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

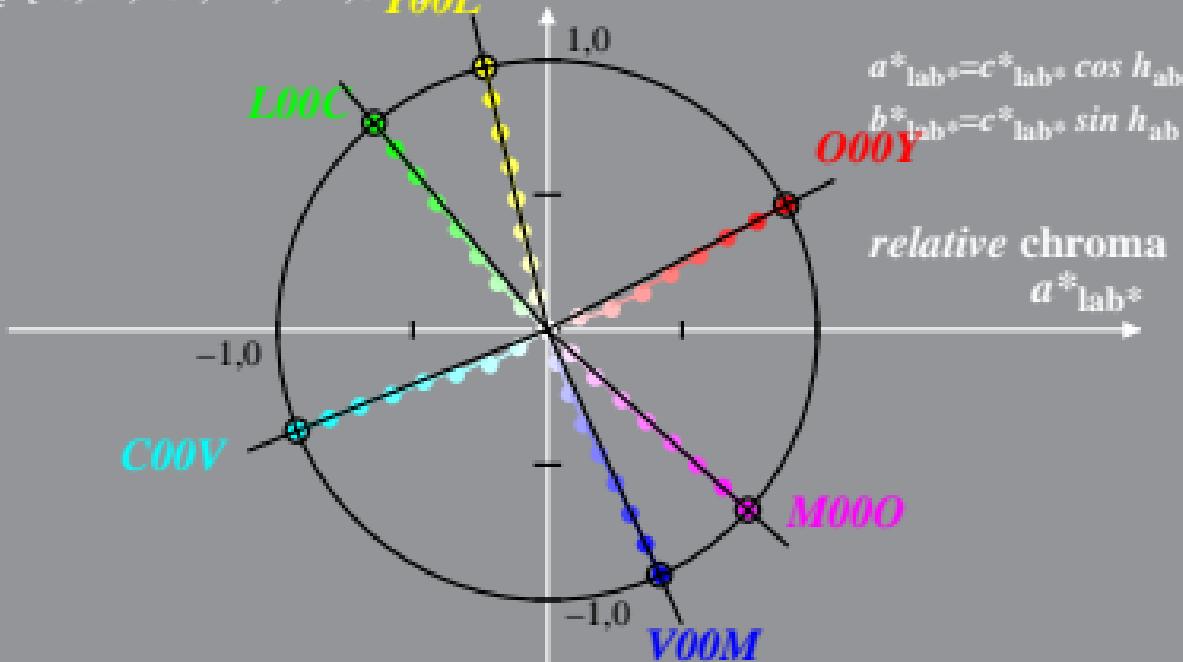
b^*_{lab*} M =Maximum colour

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

Y00L



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , I^*_{lab*})
 LE46_LCD projector_1 10%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

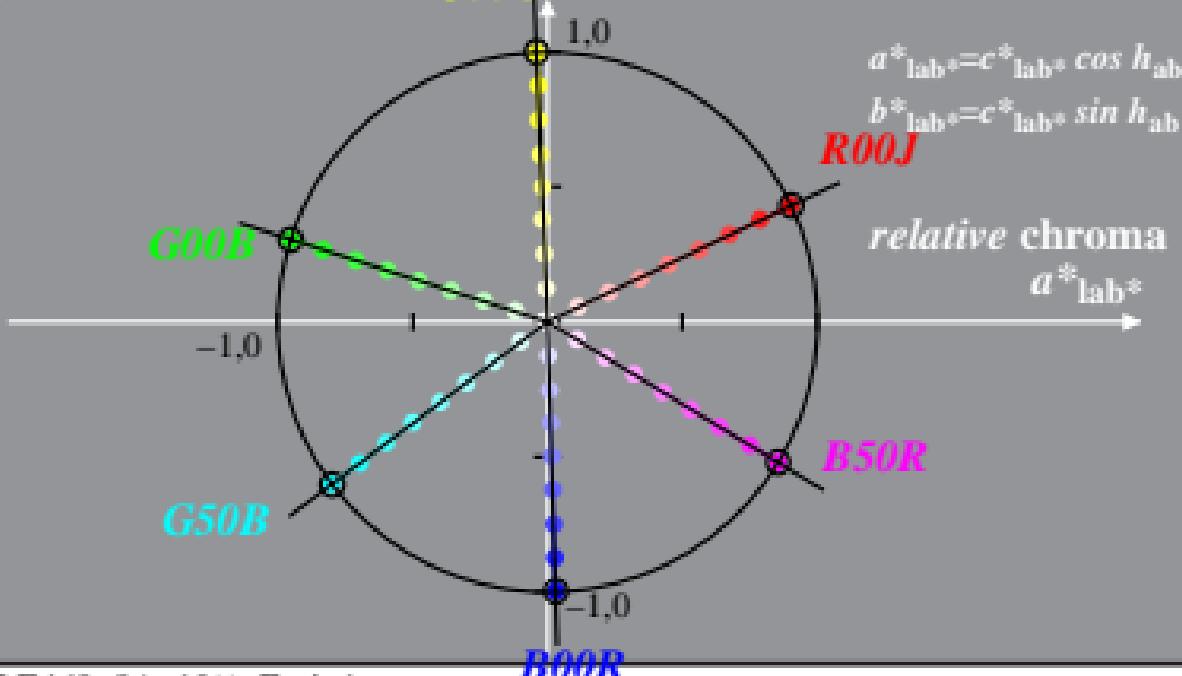
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 LE46_LCD projector_1 20%_Fadin

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

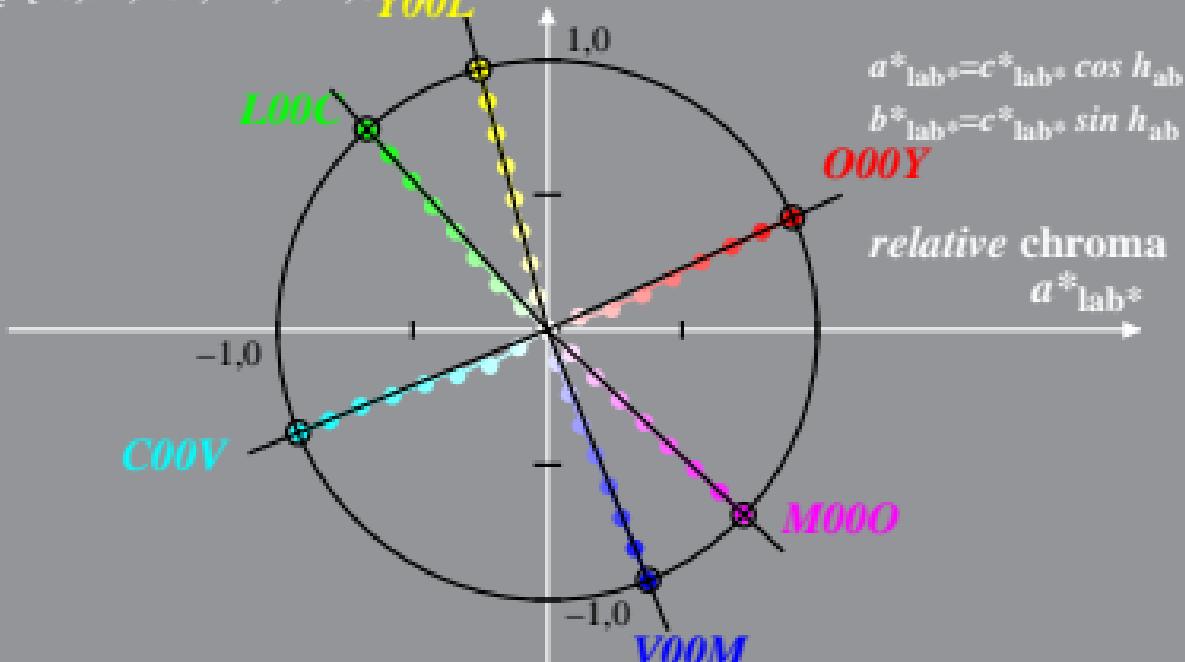
CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

Y00L



$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

O00Y

relative chroma

$$a^*_{lab*}$$

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 LE46_LCD projector_1 20%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*} \quad M = \text{Maximum colour}$$

J00G

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

R00J

relative chroma

$$a^*_{lab*}$$

G00B

-1,0

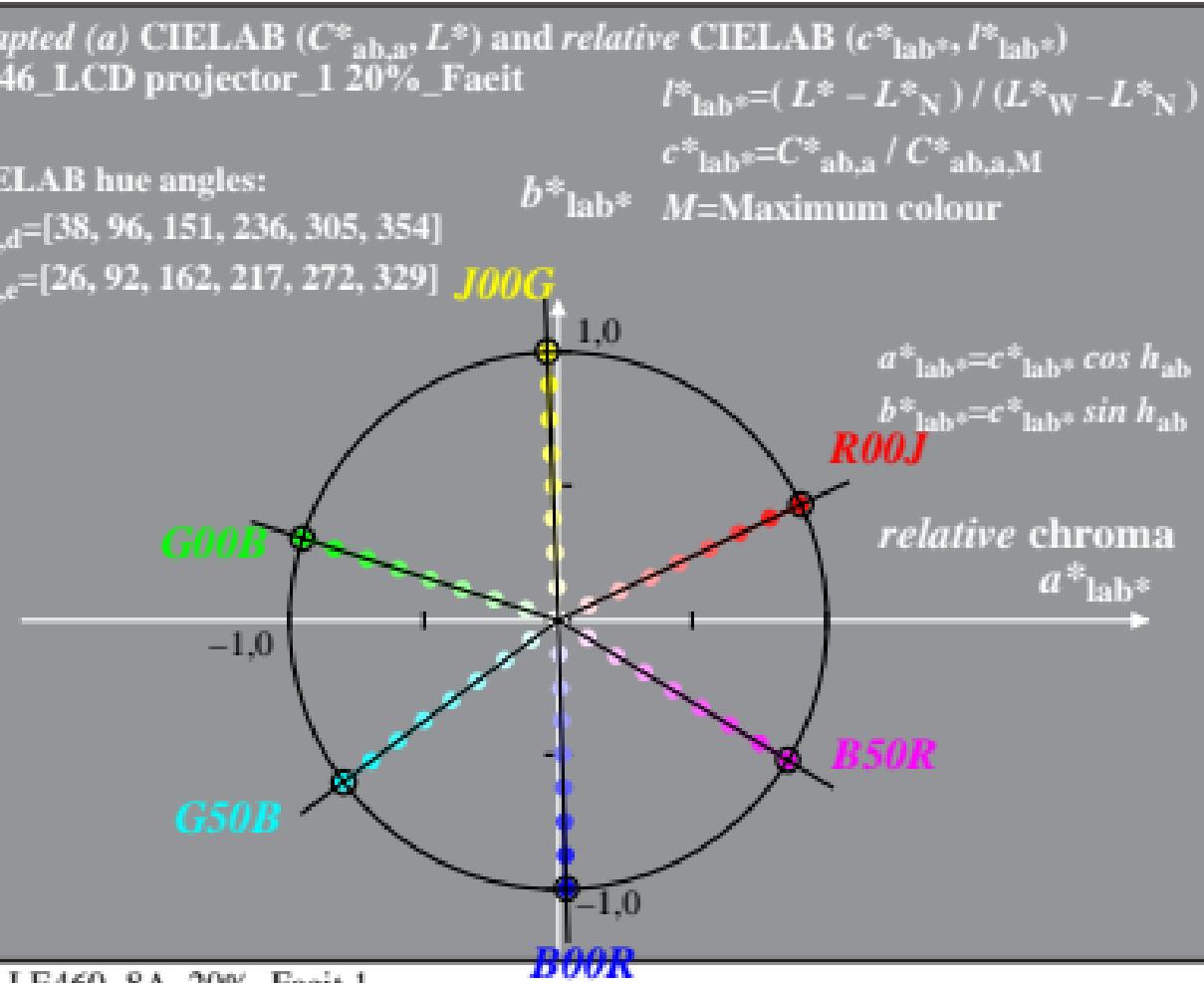
G50B

B00R

1

-1,0

B50R



*Adapted (a) CIELAB ($C^*_{\text{lab,a}}, L^*$) and relative CIELAB ($c^*_{\text{lab*}}, l^*_{\text{lab*}}$)*
LE46_LCD projector_1 40%_Fadin $l^*_{\text{lab*}} = (L^* - L^*_{\text{ref}}) / (L^*_{\text{ref}})$

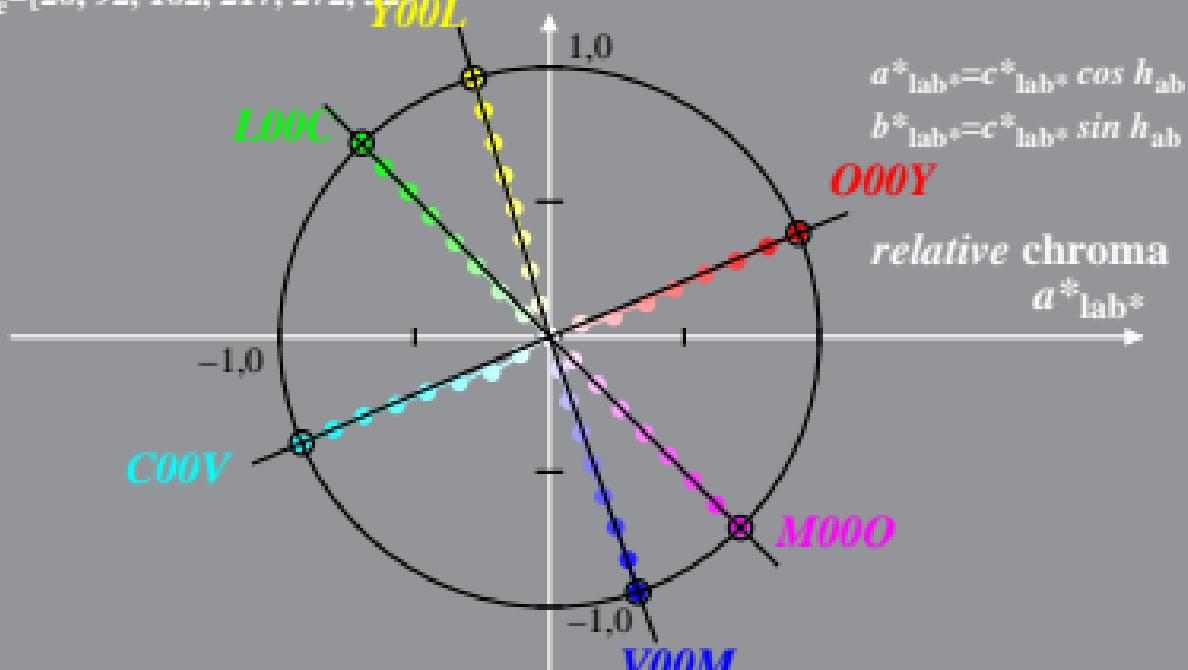
$$I^*_{\text{lab}} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$C^*_{\text{lab}} = C^*_{\text{abs}} / C^*_{\text{abs,M}}$$

CIELAB hue angles:

$h_{\text{sh},d} = [38, 96, 151, 236, 305, 354]$

$h_{\text{sh},e} = [26, 92, 162, 217, 272, 329]$



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , I^*_{lab*})
 LE46_LCD projector_1 40%_Facit

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab*}$$

M =Maximum colour

J00G

