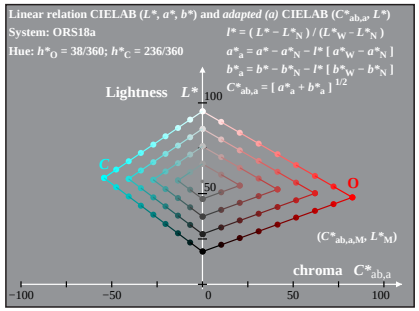
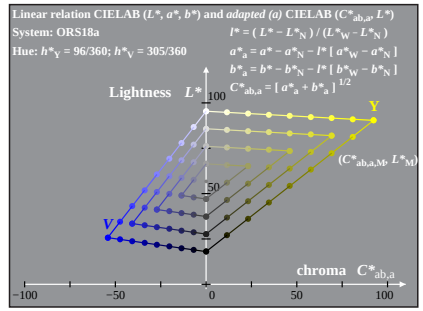
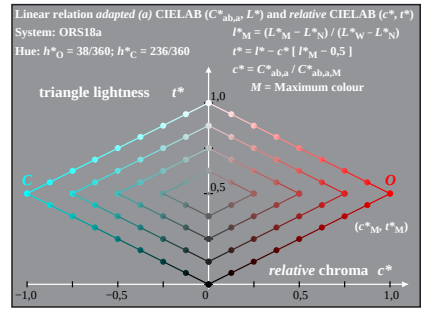
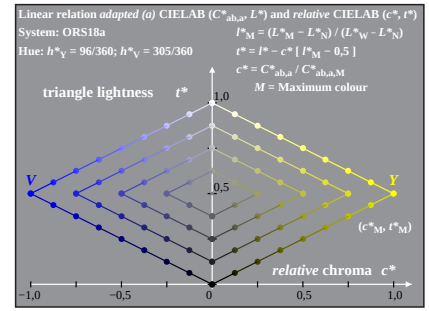
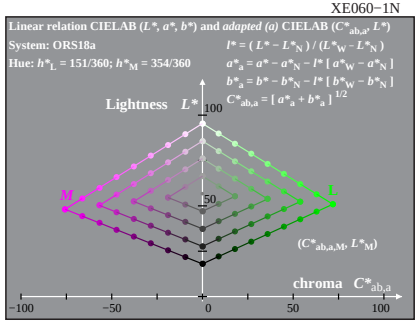
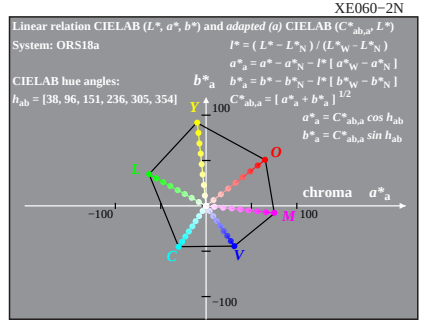

Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
System: ORS18a
Hue: h*O = 38/360; h*C = 236/360
l* = (L* − L*N) / (L*W − L*N)
a*a = a* − a*N − l* [a*W − a*N]
b*a = b* − b*N − l* [b*W − b*N]
C*ab,a = [a*a + b*a] 1/2
Lightness L*
chroma C*ab,a
(C*ab,a,M, L*M)
XE060−1N

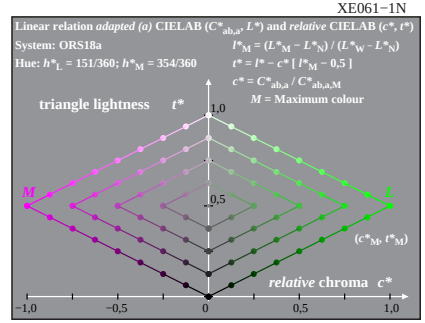

Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
System: ORS18a
Hue: h*Y = 96/360; h*V = 305/360
l* = (L* − L*N) / (L*W − L*N)
a*a = a* − a*N − l* [a*W − a*N]
b*a = b* − b*N − l* [b*W − b*N]
C*ab,a = [a*a + b*a] 1/2
Lightness L*
chroma C*ab,a
(C*ab,a,M, L*M)
XE060−2N

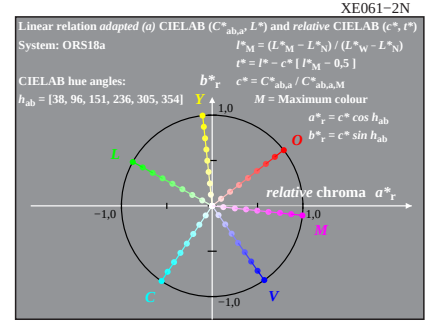

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
System: ORS18a
Hue: h*O = 38/360; h*C = 236/360
l*M = (L*M − L*N) / (L*W − L*N)
t* = l* − c* [l*M − 0,5]
c* = C*ab,a / C*ab,a,M
M = Maximum colour
triangle lightness t*
relative chroma c*
(c*M, t*M)
XE061−1N

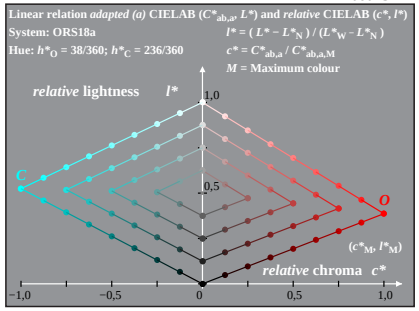

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
System: ORS18a
Hue: h*Y = 96/360; h*V = 305/360
l*M = (L*M − L*N) / (L*W − L*N)
t* = l* − c* [l*M − 0,5]
c* = C*ab,a / C*ab,a,M
M = Maximum colour
triangle lightness t*
relative chroma c*
(c*M, t*M)
XE061−2N

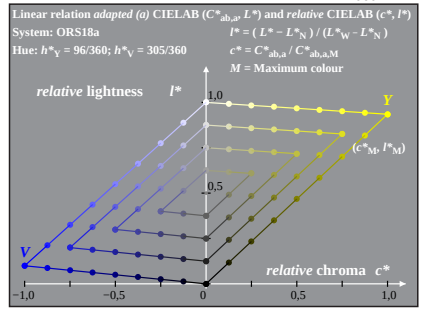

Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
System: ORS18a
Hue: h*L = 151/360; h*M = 354/360
l* = (L* − L*N) / (L*W − L*N)
a*a = a* − a*N − l* [a*W − a*N]
b*a = b* − b*N − l* [b*W − b*N]
C*ab,a = [a*a + b*a] 1/2
Lightness L*
chroma C*ab,a
(C*ab,a,M, L*M)
XE060−3N

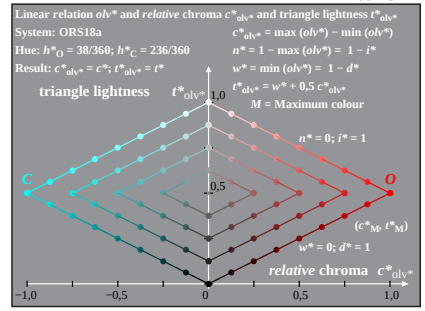

Linear relation CIELAB (L*, a*, b*) and adapted (a) CIELAB (C*ab,a, L*)
System: ORS18a
CIELAB hue angles:
hab = [38, 96, 151, 236, 305, 354]
b*a
l* = (L* − L*N) / (L*W − L*N)
a*a = a* − a*N − l* [a*W − a*N]
b*a = b* − b*N − l* [b*W − b*N]
C*ab,a = [a*a + b*a] 1/2
a*a = C*ab,a cos hab
b*a = C*ab,a sin hab
chroma a*a
XE060−4N

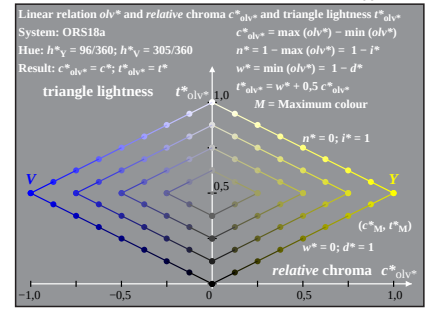

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
System: ORS18a
Hue: h*L = 151/360; h*M = 354/360
l*M = (L*M − L*N) / (L*W − L*N)
t* = l* − c* [l*M − 0,5]
c* = C*ab,a / C*ab,a,M
M = Maximum colour
triangle lightness t*
relative chroma c*
(c*M, t*M)
XE061−3N

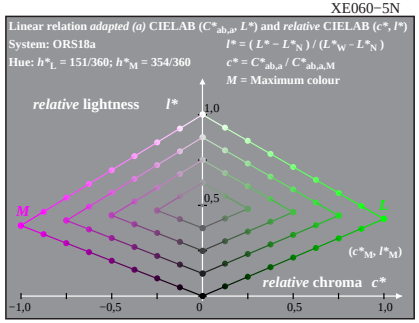

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, t*)
System: ORS18a
CIELAB hue angles:
hab = [38, 96, 151, 236, 305, 354]
b*r
l*M = (L*M − L*N) / (L*W − L*N)
t* = l* − c* [l*M − 0,5]
c* = C*ab,a / C*ab,a,M
M = Maximum colour
a*r = c* cos hab
b*r = c* sin hab
relative chroma a*r
XE061−4N

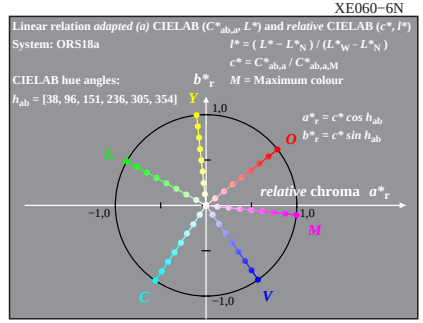

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, l*)
System: ORS18a
Hue: h*O = 38/360; h*C = 236/360
l* = (L* − L*N) / (L*W − L*N)
c* = C*ab,a / C*ab,a,M
M = Maximum colour
relative lightness l*
relative chroma c*
(c*M, l*M)
XE060−5N

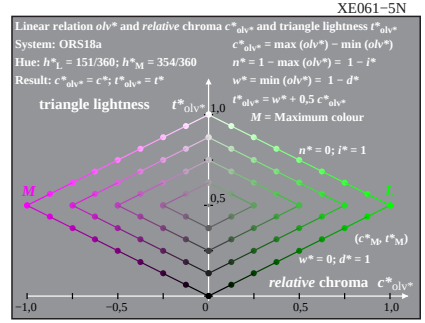

Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, l*)
System: ORS18a
Hue: h*Y = 96/360; h*V = 305/360
l* = (L* − L*N) / (L*W − L*N)
c* = C*ab,a / C*ab,a,M
M = Maximum colour
relative lightness l*
relative chroma c*
(c*M, l*M)
XE060−6N

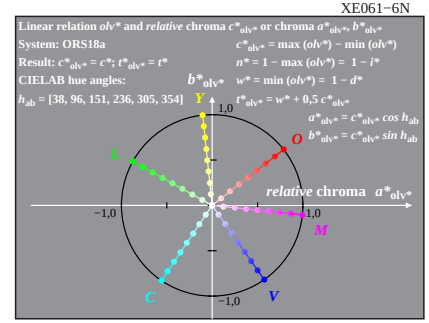

Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
System: ORS18a
Hue: h*O = 38/360; h*C = 236/360
Result: c*olv* = c*; t*olv* = t*
c*olv* = max (olv*) − min (olv*)
n* = 1 − max (olv*) = 1 − i*
w* = min (olv*) = 1 − d*
t*olv* = w* + 0,5 c*olv*
M = Maximum colour
n* = 0; i* = 1
w* = 0; d* = 1
triangle lightness t*olv*
relative chroma c*olv*
(c*M, t*M)
XE061−5N


Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
System: ORS18a
Hue: h*Y = 96/360; h*V = 305/360
Result: c*olv* = c*; t*olv* = t*
c*olv* = max (olv*) − min (olv*)
n* = 1 − max (olv*) = 1 − i*
w* = min (olv*) = 1 − d*
t*olv* = w* + 0,5 c*olv*
M = Maximum colour
n* = 0; i* = 1
w* = 0; d* = 1
triangle lightness t*olv*
relative chroma c*olv*
(c*M, t*M)
XE061−6N


Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, l*)
System: ORS18a
Hue: h*L = 151/360; h*M = 354/360
l* = (L* − L*N) / (L*W − L*N)
c* = C*ab,a / C*ab,a,M
M = Maximum colour
relative lightness l*
relative chroma c*
(c*M, l*M)
XE061−7N


Linear relation adapted (a) CIELAB (C*ab,a, L*) and relative CIELAB (c*, l*)
System: ORS18a
CIELAB hue angles:
hab = [38, 96, 151, 236, 305, 354]
b*r
l* = (L* − L*N) / (L*W − L*N)
c* = C*ab,a / C*ab,a,M
M = Maximum colour
a*r = c* cos hab
b*r = c* sin hab
relative chroma a*r
XE061−8N


Linear relation olv* and relative chroma c*olv* and triangle lightness t*olv*
System: ORS18a
Hue: h*L = 151/360; h*M = 354/360
Result: c*olv* = c*; t*olv* = t*
c*olv* = max (olv*) − min (olv*)
n* = 1 − max (olv*) = 1 − i*
w* = min (olv*) = 1 − d*
t*olv* = w* + 0,5 c*olv*
M = Maximum colour
n* = 0; i* = 1
w* = 0; d* = 1
triangle lightness t*olv*
relative chroma c*olv*
(c*M, t*M)
XE061−7N


Linear relation olv* and relative chroma c*olv* or chroma a*olv*, b*olv*
System: ORS18a
CIELAB hue angles:
hab = [38, 96, 151, 236, 305, 354]
b*olv*
c*olv* = max (olv*) − min (olv*)
n* = 1 − max (olv*) = 1 − i*
w* = min (olv*) = 1 − d*
t*olv* = w* + 0,5 c*olv*
a*olv* = c*olv* cos hab
b*olv* = c*olv* sin hab
relative chroma a*olv*
XE061−8N