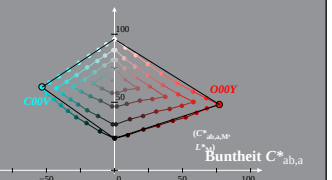
Beziehung CIELAB (*L**, *a**, *b**) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360

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

Helligkeit *L**

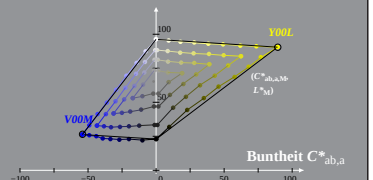


JG910−1 X, 1

Beziehung CIELAB (*L**, *a**, *b**) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360

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

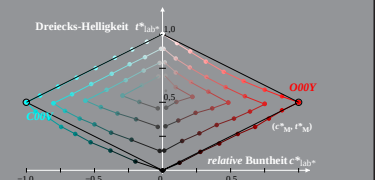
Helligkeit *L**



JG910−2 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360

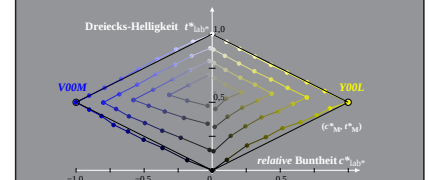
$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG911−1 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360

$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

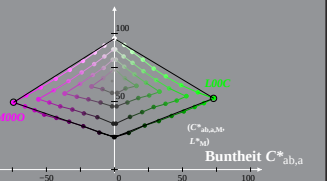


JG911−2 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360

$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

Helligkeit *L**

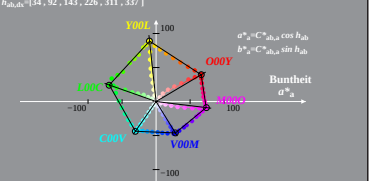


JG910−3 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360

$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

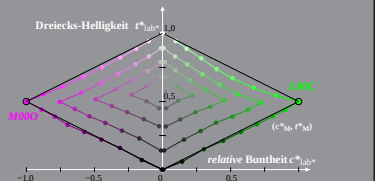
CIELAB-Buntton-Winkel:
$h_{ab,d}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,dc}$=[34 , 92 , 143 , 226 , 311 , 337]



JG910−4 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360

$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

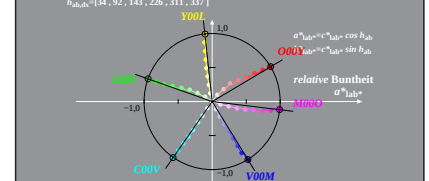


JG911−3 X, 1

Beziehung *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (*c**, *t**)
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360

$l^*_M=(L^*_M-L^*_N)/(L^*_W-L^*_N)$
$t^*_{lab*}=l^*_{lab*}-c^*_{lab*}[l^*_M-0,5]$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

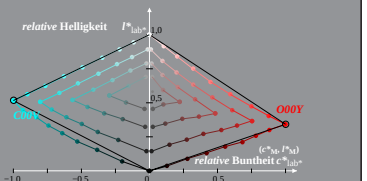
CIELAB-Buntton-Winkel:
$h_{ab,d}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,dc}$=[34 , 92 , 143 , 226 , 311 , 337]



JG911−4 X, 1

Adaptiertes (a) CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360

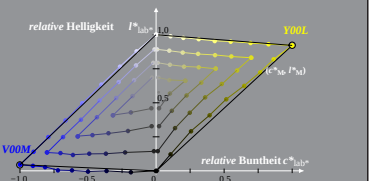
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG910−5 X, 1

Adaptiertes (a) CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360

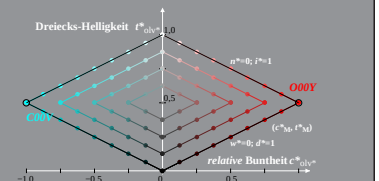
$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe



JG910−6 X, 1

Beziehung *olv** und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{O00Y}=38 /360; h^*_{C00V}=236 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$

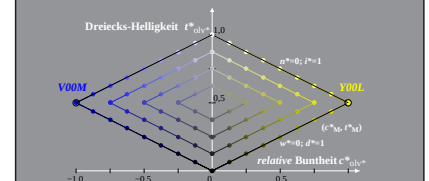
$c^*_{olv*}=\max(olv^*)-\min(olv^*)$
$n^*=1-\max(olv^*)=1-i^*$
$w^*=\min(olv^*)=1-d^*$
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe



JG911−5 X, 1

Beziehung *olv** und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{Y00L}=96 /360; h^*_{V00M}=305 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$

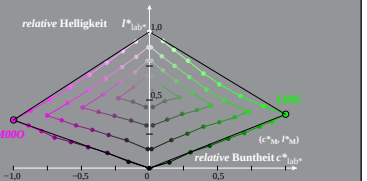
$c^*_{olv*}=\max(olv^*)-\min(olv^*)$
$n^*=1-\max(olv^*)=1-i^*$
$w^*=\min(olv^*)=1-d^*$
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe



JG911−6 X, 1

Adaptiertes (a) CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360

$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

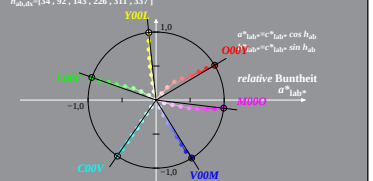


JG911−7 X, 1

Adaptiertes (a) CIELAB ($C^*_{ab,a}$, *L**) und *relatives* CIELAB (c^*_{lab*}, l^*_{lab*})
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360

$l^*_{lab*}=(L^*-L^*_N)/(L^*_W-L^*_N)$
$c^*_{lab*}=C^*_{ab,a}/C^*_{ab,a,M}$
M=Maximalfarbe

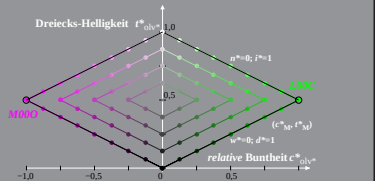
CIELAB-Buntton-Winkel:
$h_{ab,d}$=[34 , 92 , 143 , 226 , 312 , 337]
$h_{ab,dc}$=[34 , 92 , 143 , 226 , 311 , 337]



JG911−8 X, 1

Beziehung *olv** und *relative* Buntheit c^*_{olv*} und Dreiecks-Helligkeit t^*_{olv*}
System: JG91_ORS20_95_D65_cmyn6*
Buntton: h^*_{L00C}=151 /360; h^*_{M00O}=354 /360
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$

$c^*_{olv*}=\max(olv^*)-\min(olv^*)$
$n^*=1-\max(olv^*)=1-i^*$
$w^*=\min(olv^*)=1-d^*$
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$
M=Maximalfarbe

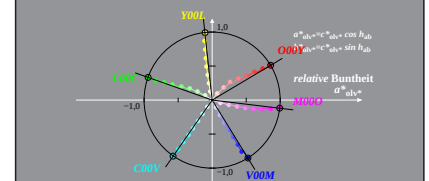


JG911−7 X, 1

Beziehung *olv** und *relative* Buntheit c^*_{olv*} oder Buntheit a^*_{olv*}, b^*_{olv*}
System: JG91_ORS20_95_D65_cmyn6*
Ergebnis: $c^*_{olv*}=c^*_{lab*}$; $t^*_{olv*}=t^*_{lab*}$

$c^*_{olv*}=\max(olv^*)-\min(olv^*)$
$n^*=1-\max(olv^*)=1-i^*$
$w^*=\min(olv^*)=1-d^*$
$t^*_{olv*}=w^*+0,5\,c^*_{olv*}$

CIELAB-Buntton-Winkel:



JG911−8 X, 1