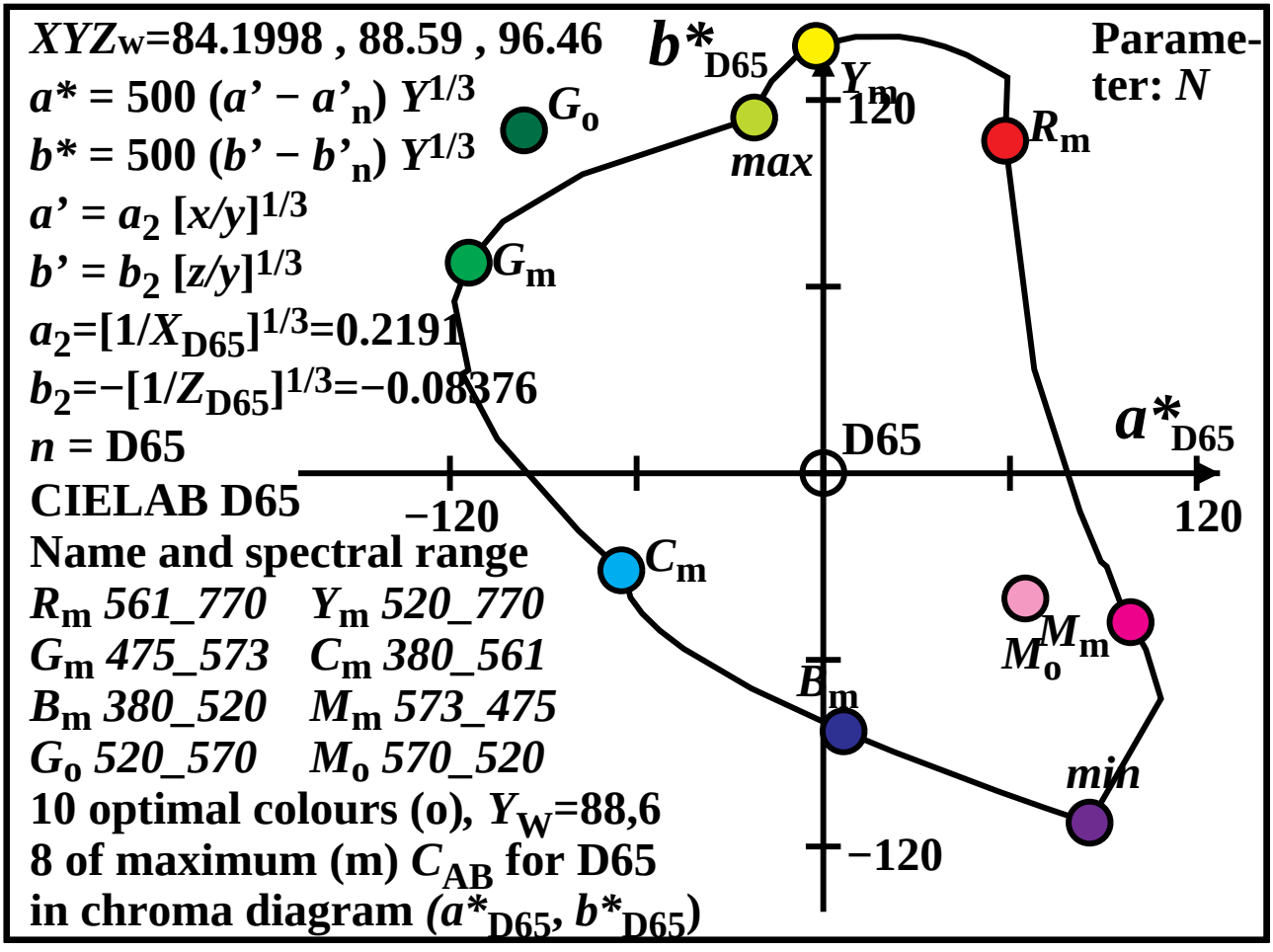
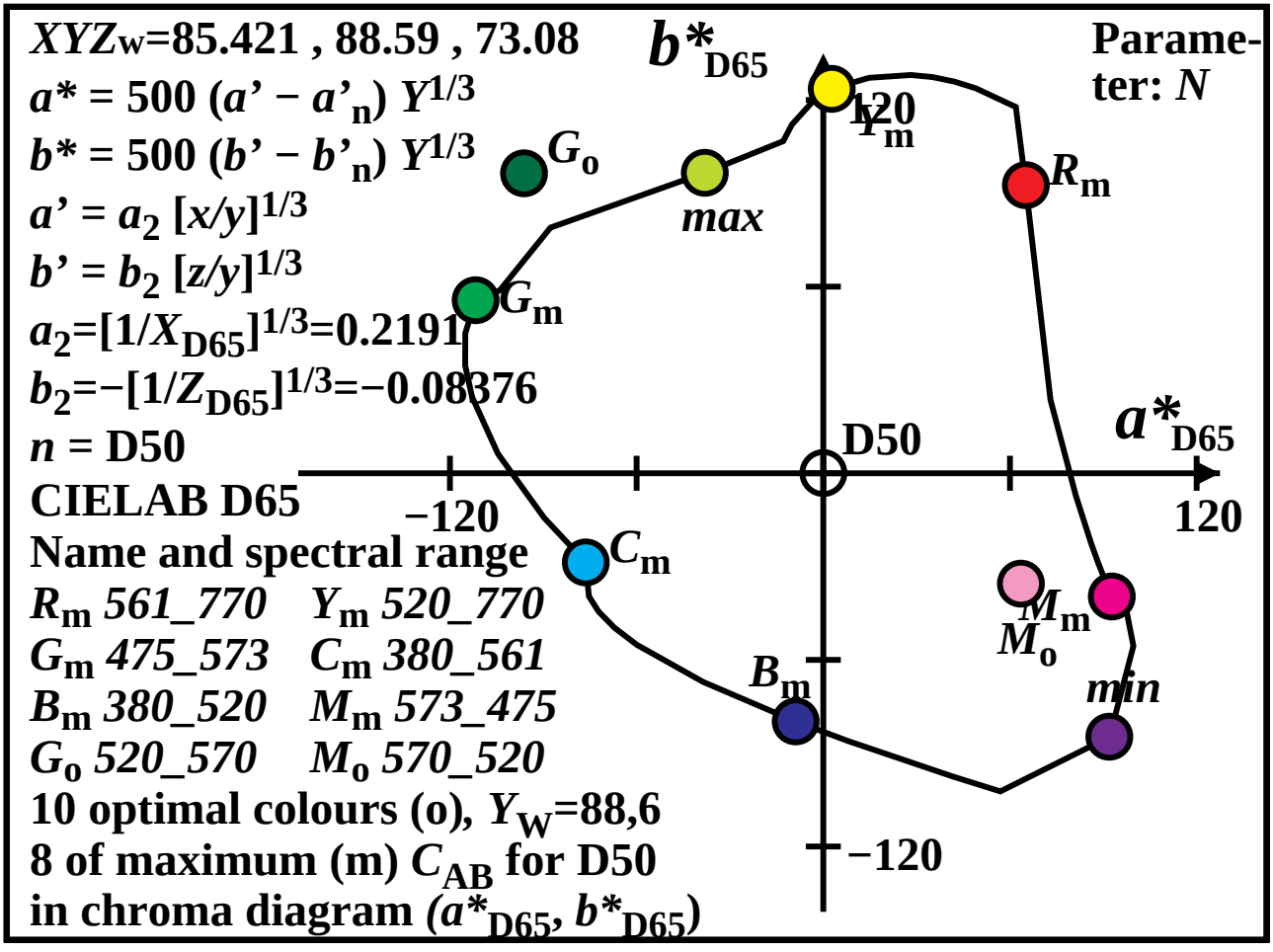
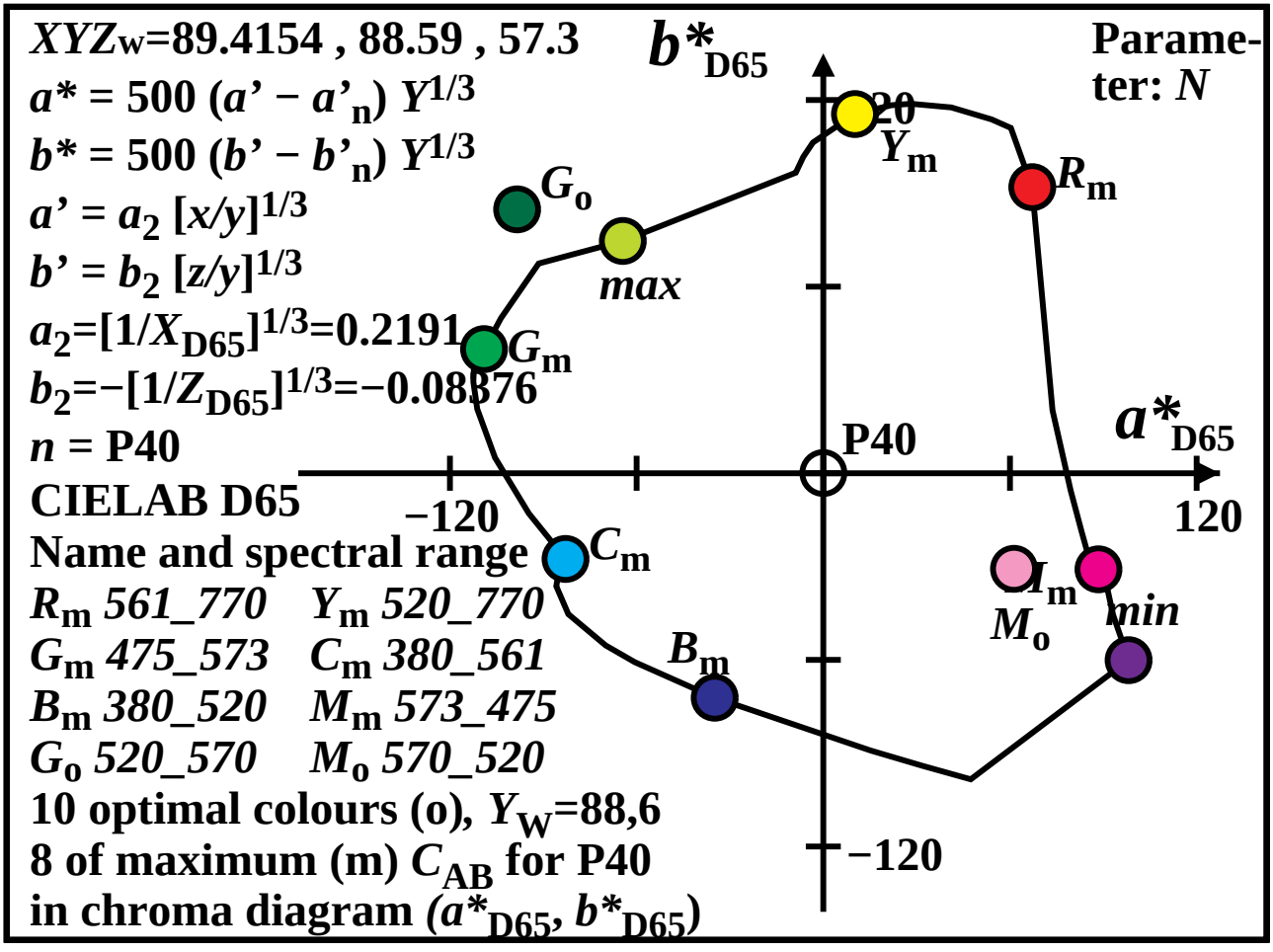
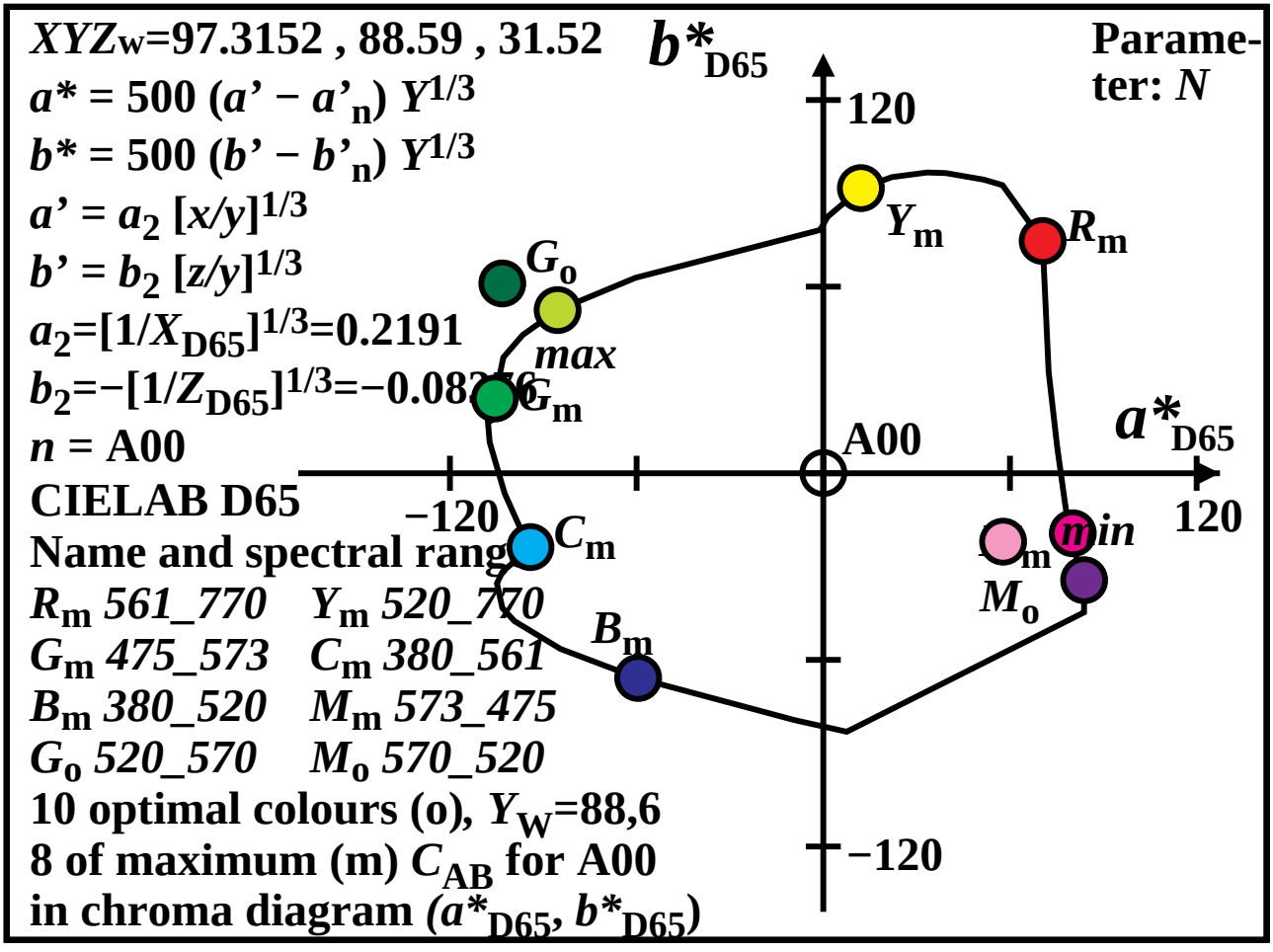
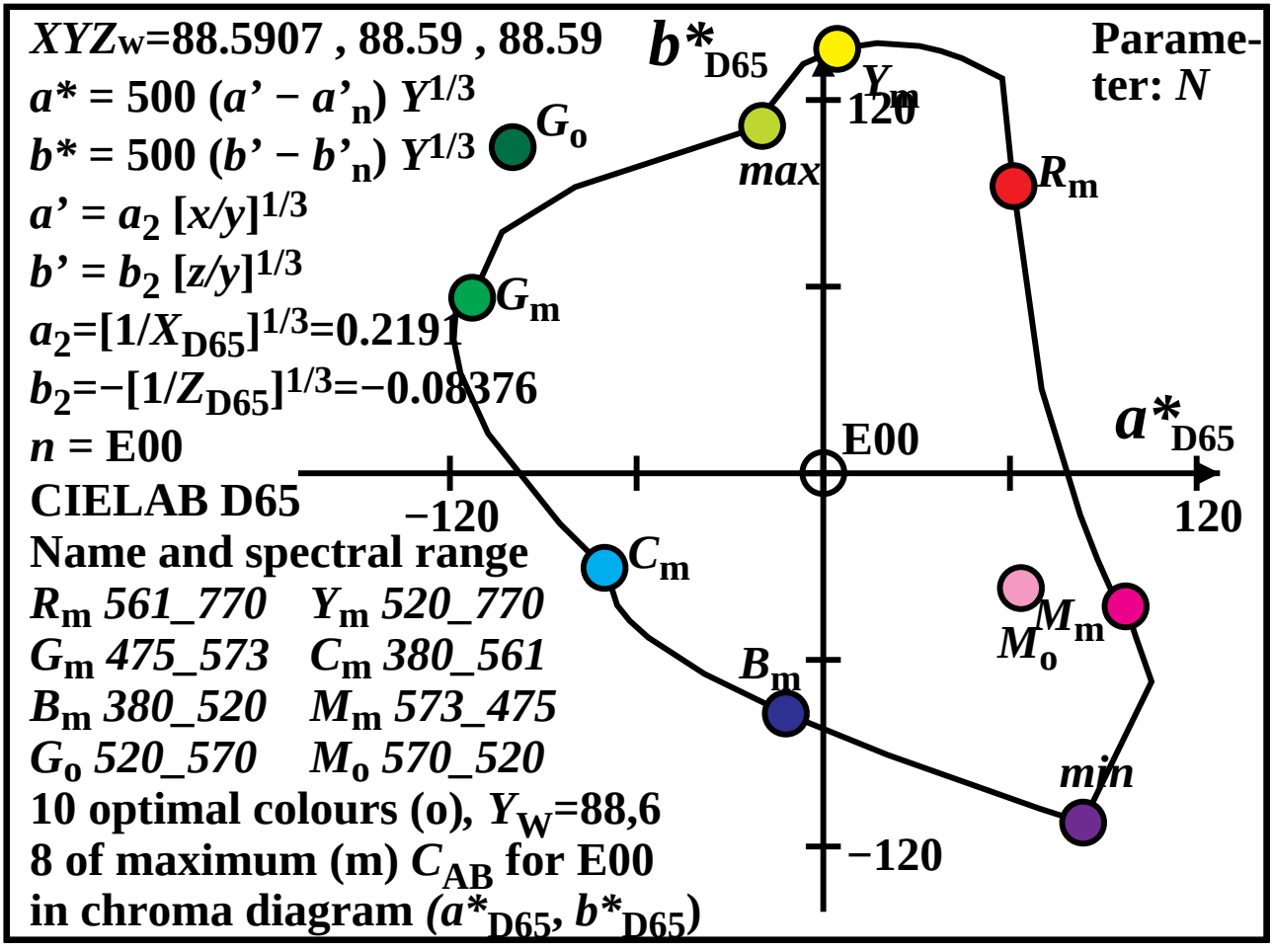
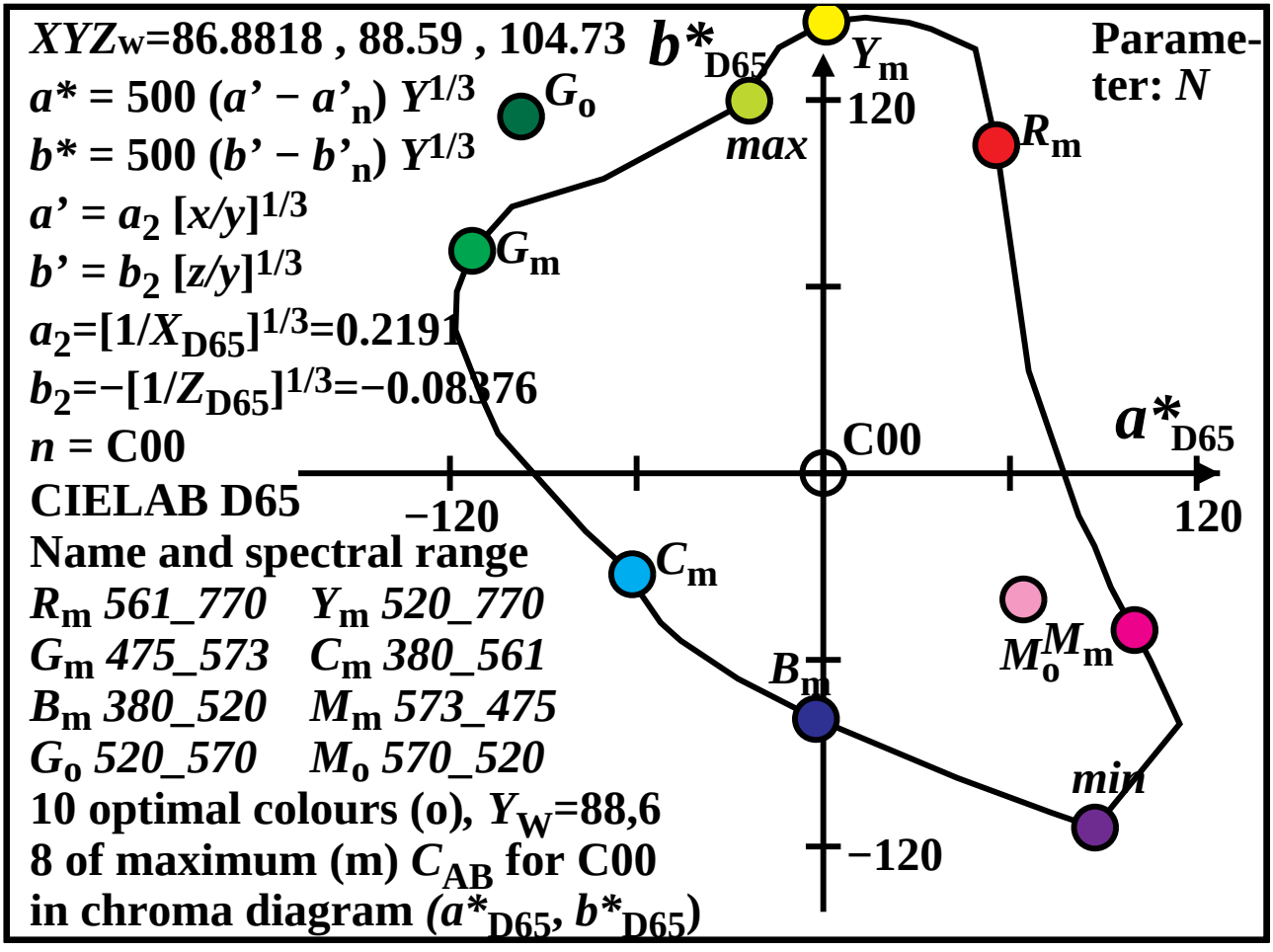

XYZw=84.1998 , 88.59 , 96.46
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = D65
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for D65
in chroma diagram (a*D65, b*D65)
b*D65
Ym
120
Go
max
Rm
Gm
Parame-
ter: N
a*D65
D65
−120
120
Cm
Mo
Mm
Bm
min
−120

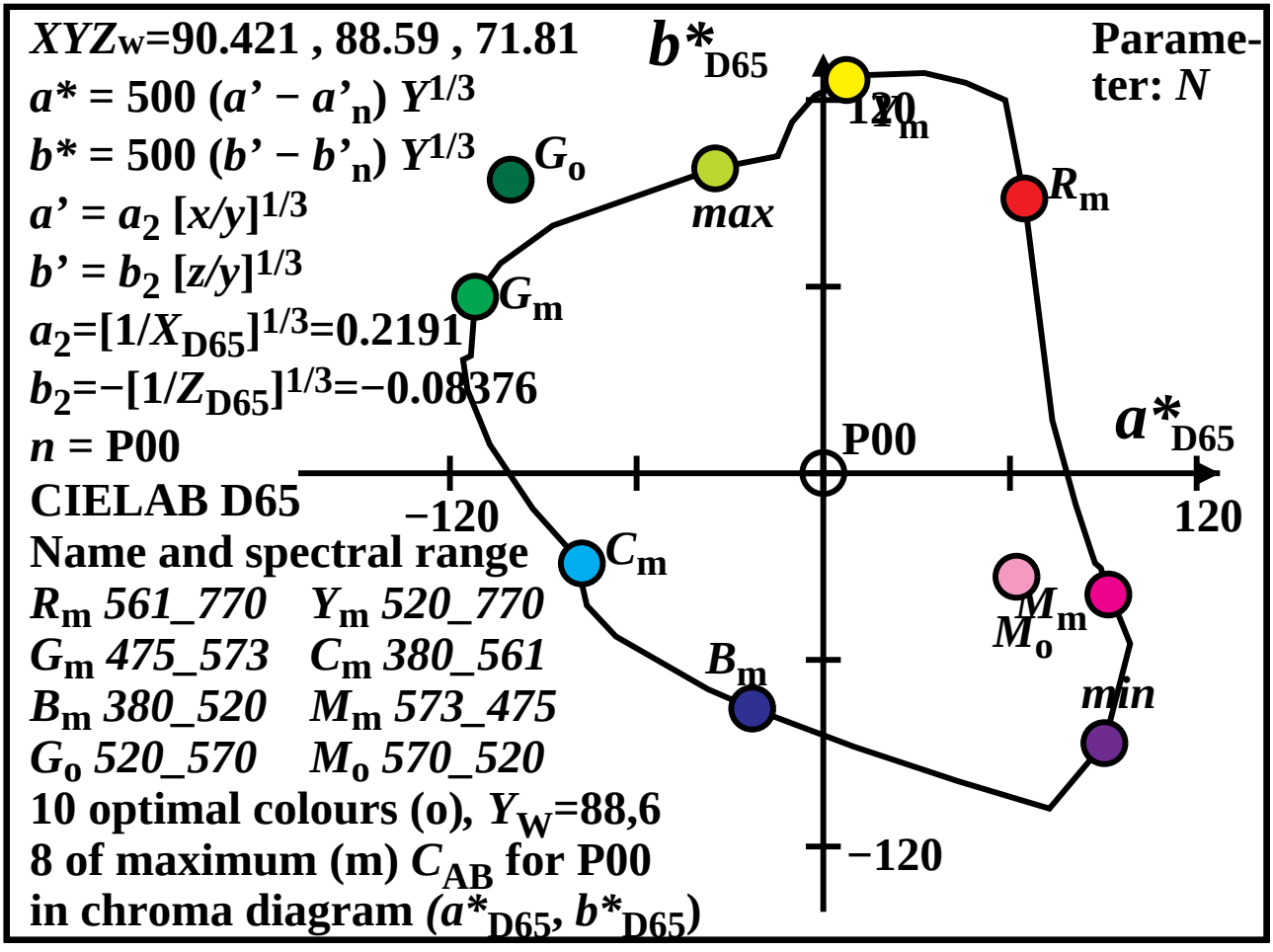

XYZ_w=85.421 , 88.59 , 73.08
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = D50
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for D50
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
Parame-
ter: N
Y_m
G_o
max
R_m
G_m
D50
a^*_{D65}
−120
120
C_m
M_m
M_o
B_m
min
−120

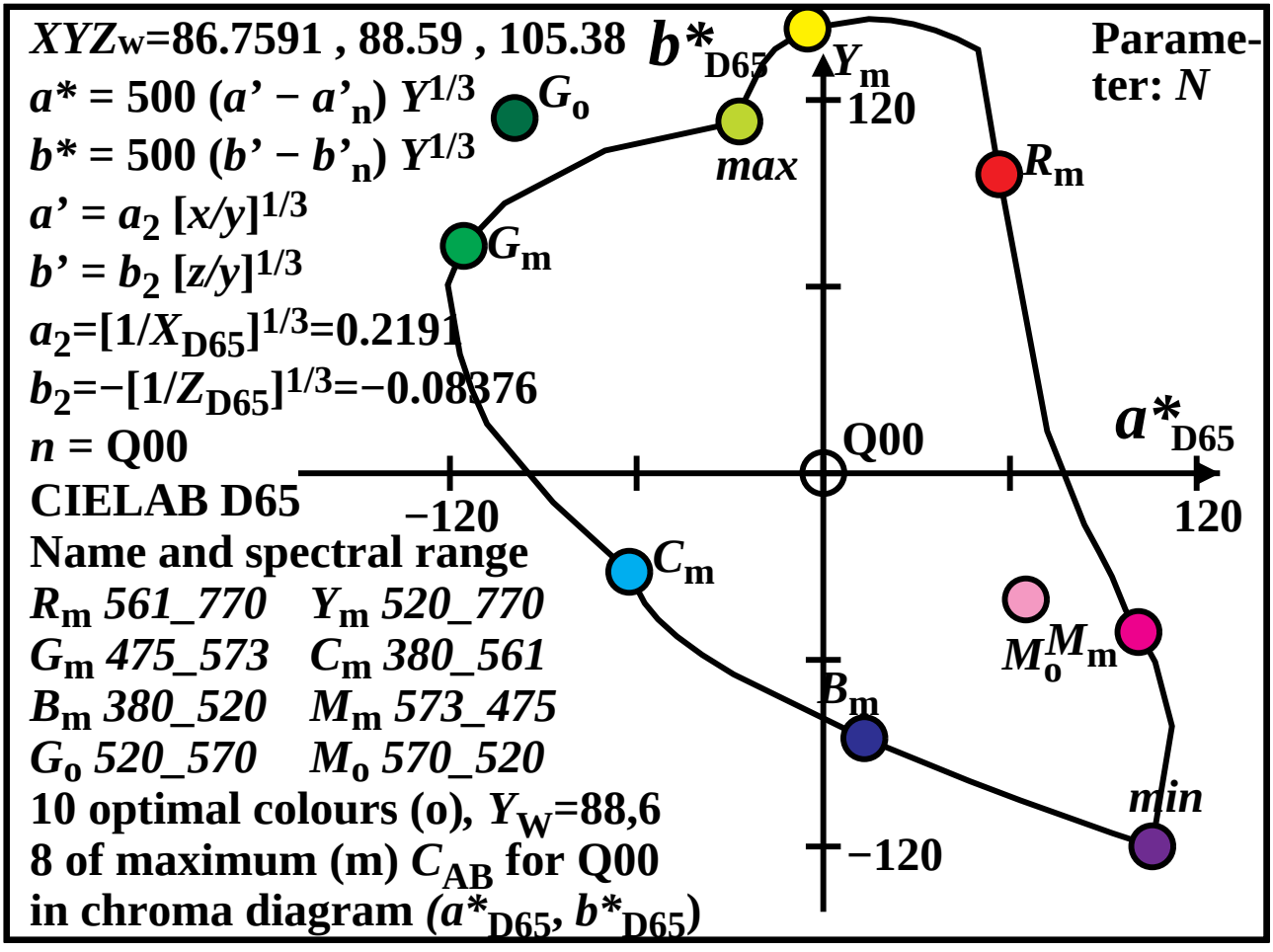

XYZw=89.4154 , 88.59 , 57.3
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = P40
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for P40
in chroma diagram (a*D65, b*D65)
b*D65
Parame-
ter: N
20
Ym
Rm
Go
max
Gm
P40
a*D65
−120
120
Cm
Im
Mo
min
Bm
−120

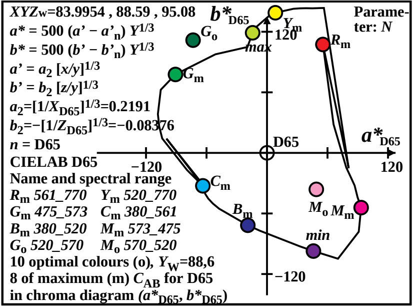

XYZ_w=97.3152 , 88.59 , 31.52
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08276$
n = A00
CIELAB D65
Name and spectral rang
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for A00
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
Parame-
ter: N
120
−120
Y_m
R_m
G_o
max
G_m
A00
a^*_{D65}
−120
120
C_m
min
M_o
B_m
−120

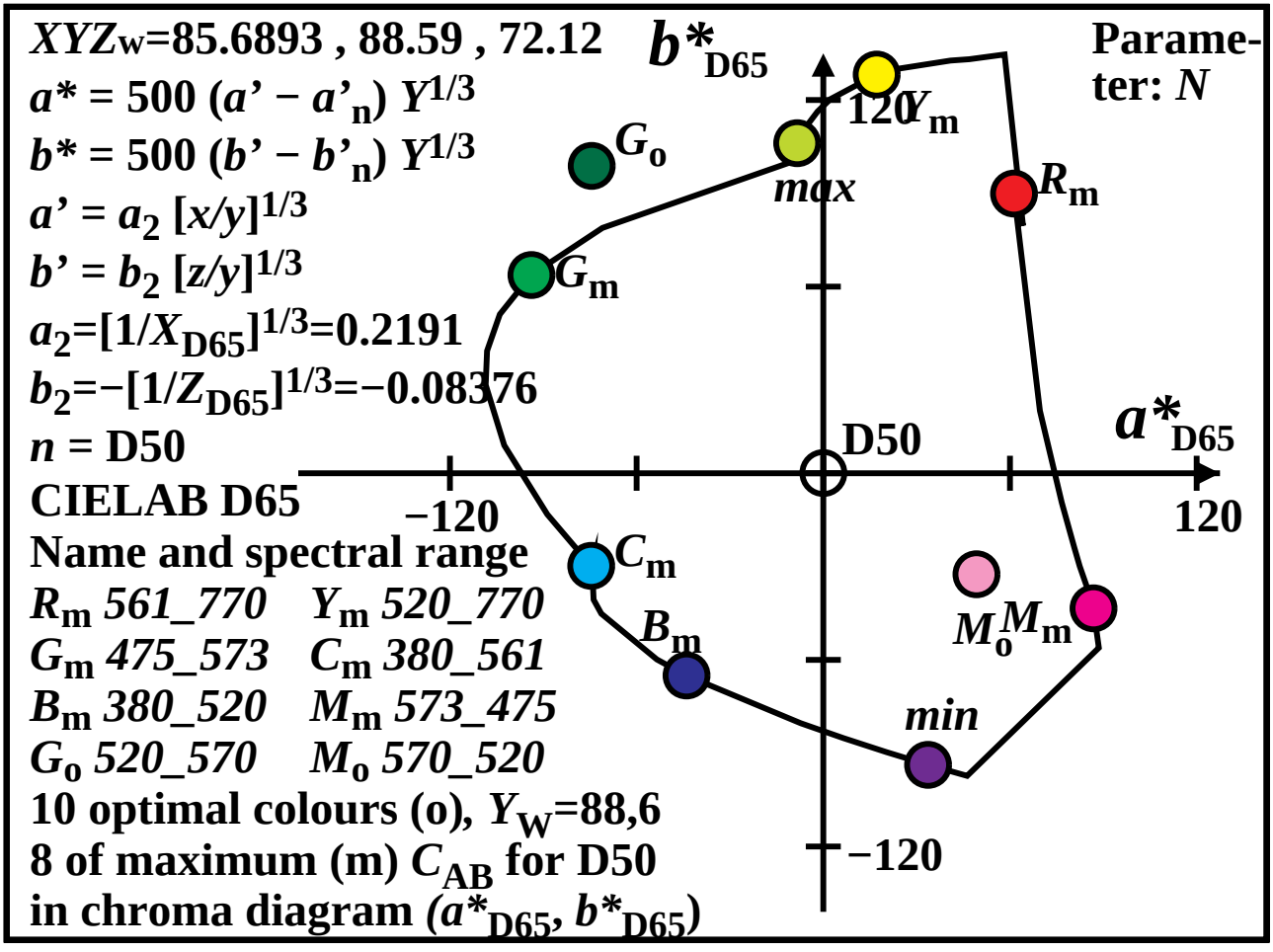

XYZw=88.5907 , 88.59 , 88.59
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = E00
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for E00
in chroma diagram (a*D65, b*D65)
b*D65
Ym
120
Go
max
Rm
Gm
a*D65
E00
−120
120
Cm
Mm
Mo
Bm
min
−120
Parame-
ter: N

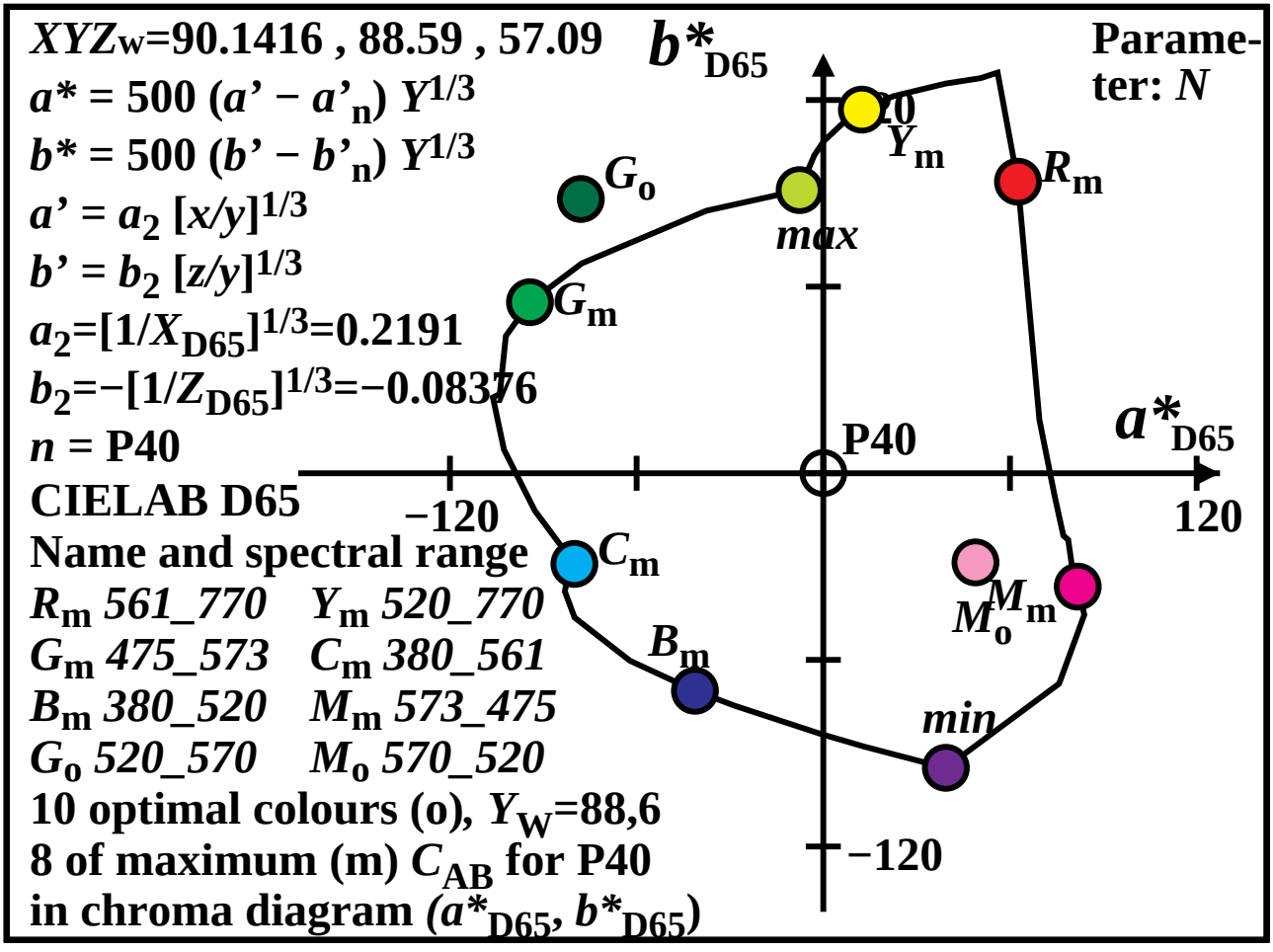

XYZw=86.8818 , 88.59 , 104.73
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = C00
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for C00
in chroma diagram (a*D65, b*D65)
b*D65
Ym
Go
max
Rm
Gm
120
C00
a*D65
−120
120
Cm
Mo
Mm
Bm
min
−120
Parame-
ter: N

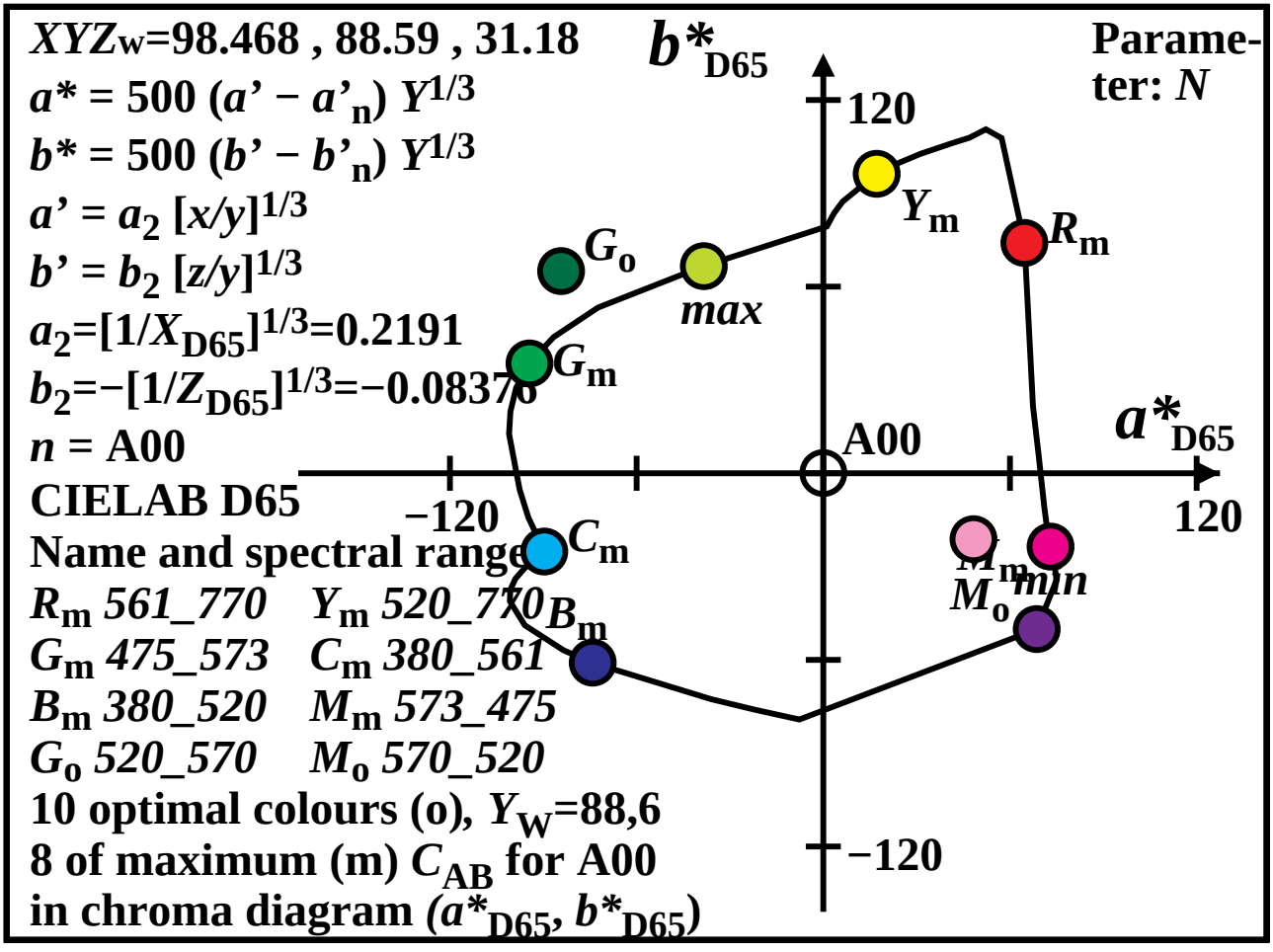

XYZw=90.421 , 88.59 , 71.81
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = P00
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for P00
in chroma diagram (a*D65, b*D65)
b*D65
Parame-
ter: N
120
Ym
Go
max
Rm
Gm
P00
a*D65
−120
120
Cm
Mm
Mo
Bm
min
−120

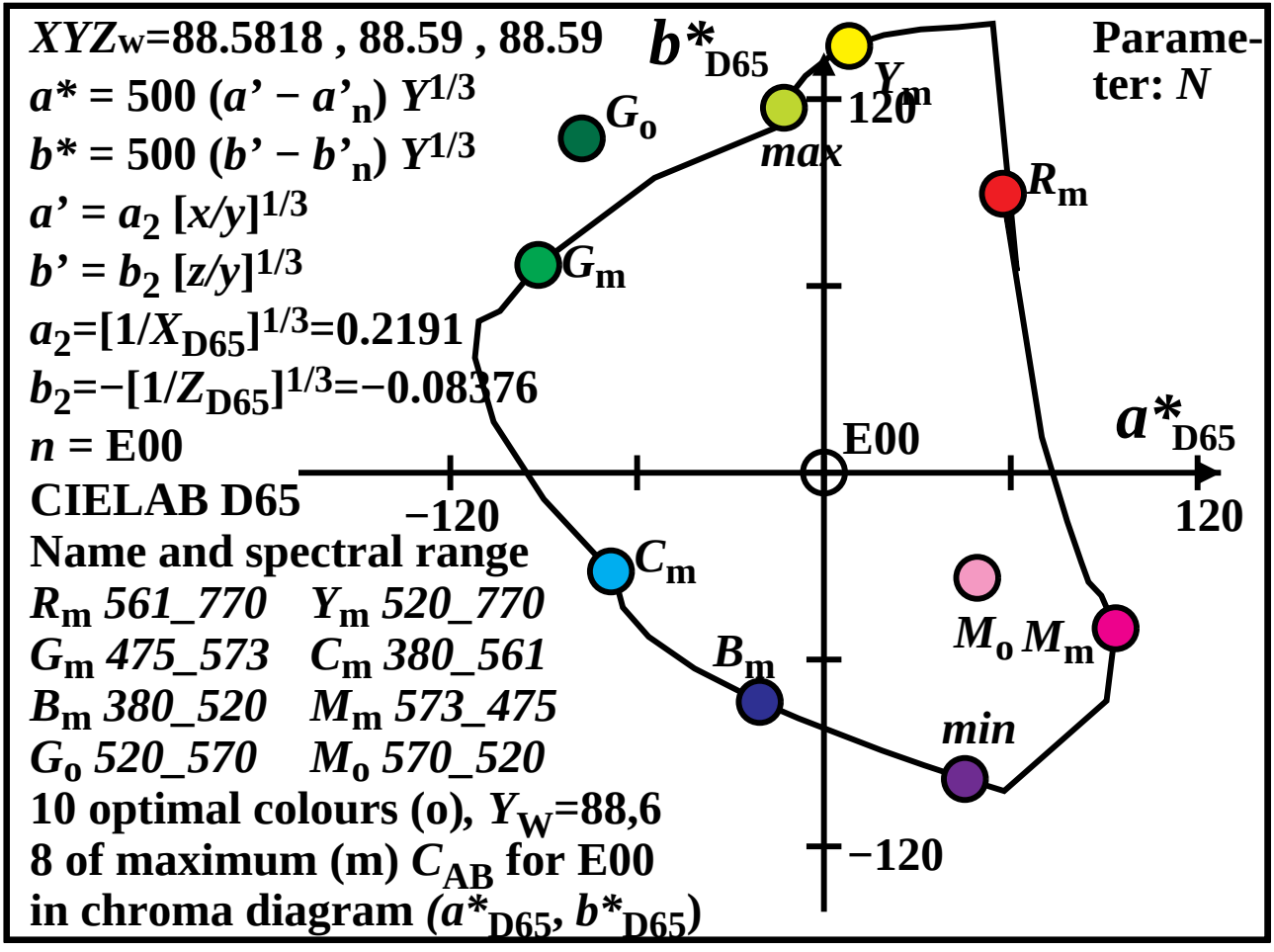

XYZw=86.7591 , 88.59 , 105.38
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = Q00
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for Q00
in chroma diagram (a*D65, b*D65)
b*D65
Ym
120
Go
max
Rm
Gm
Parame-
ter: N
a*D65
Q00
−120
120
Cm
Mo
Mm
Bm
min
−120

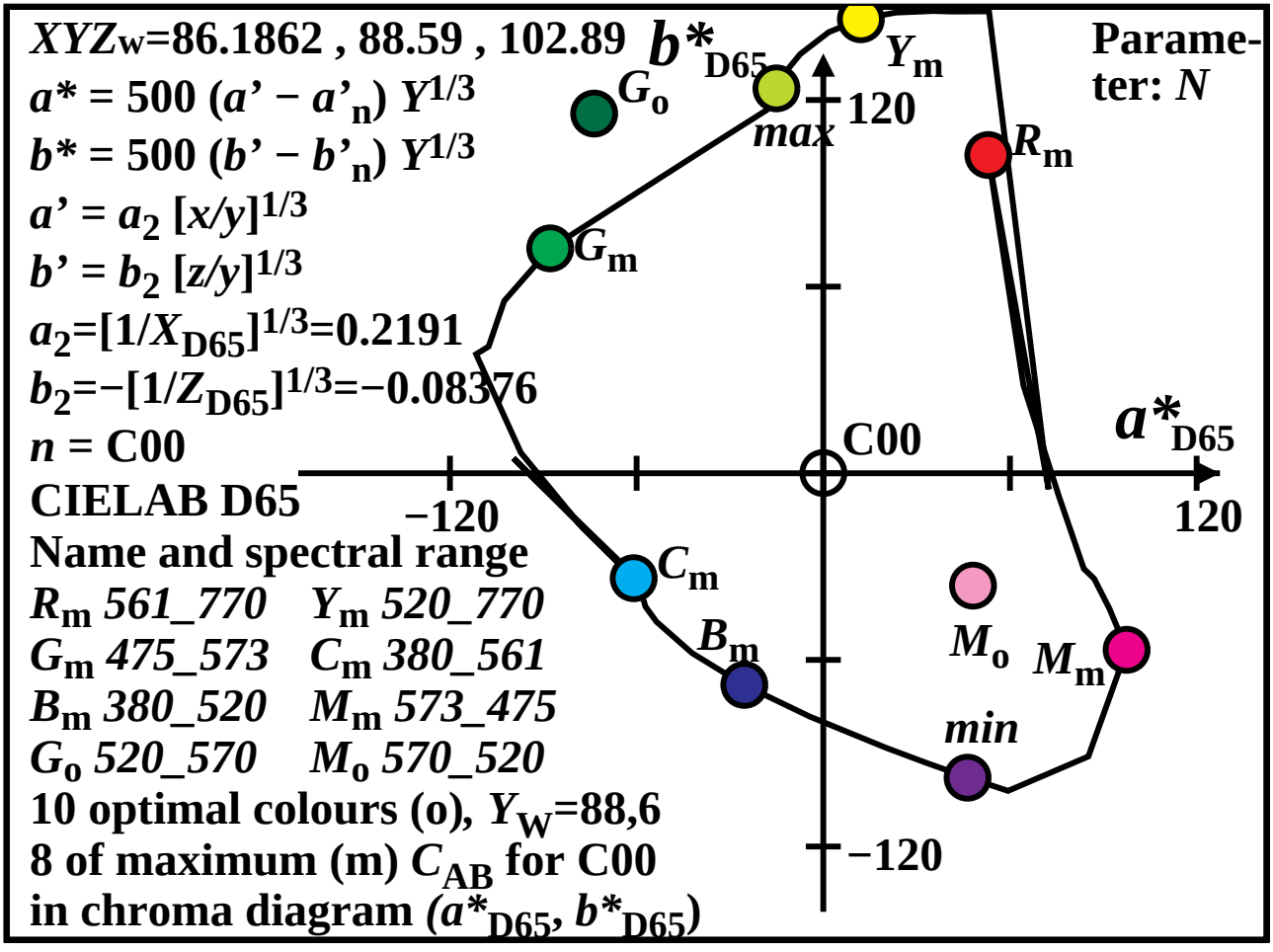

XYZw=83.9954 , 88.59 , 95.08
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = D65
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for D65
in chroma diagram (a*D65, b*D65)
b*D65
Parameter: N
Go
Ym
120
max
Rm
Gm
D65
a*D65
−120
120
Cm
Bm
Mo Mm
min
−120

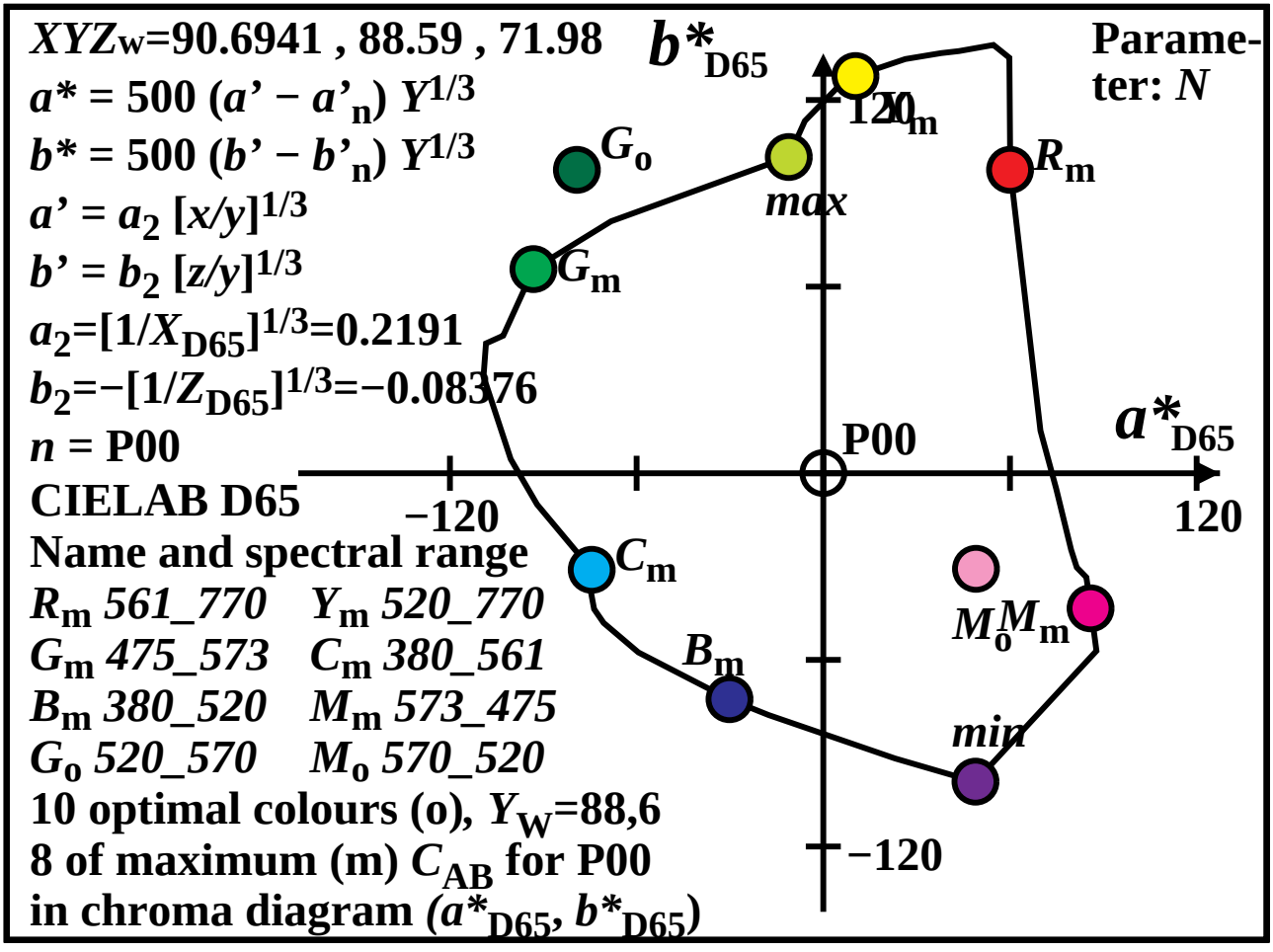

XYZw=85.6893 , 88.59 , 72.12
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = D50
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for D50
in chroma diagram (a*D65, b*D65)
b*D65
120
Ym
Go
max
Rm
Gm
a*D65
D50
−120
120
Cm
Mo
Mm
Bm
min
−120
Parame-
ter: N

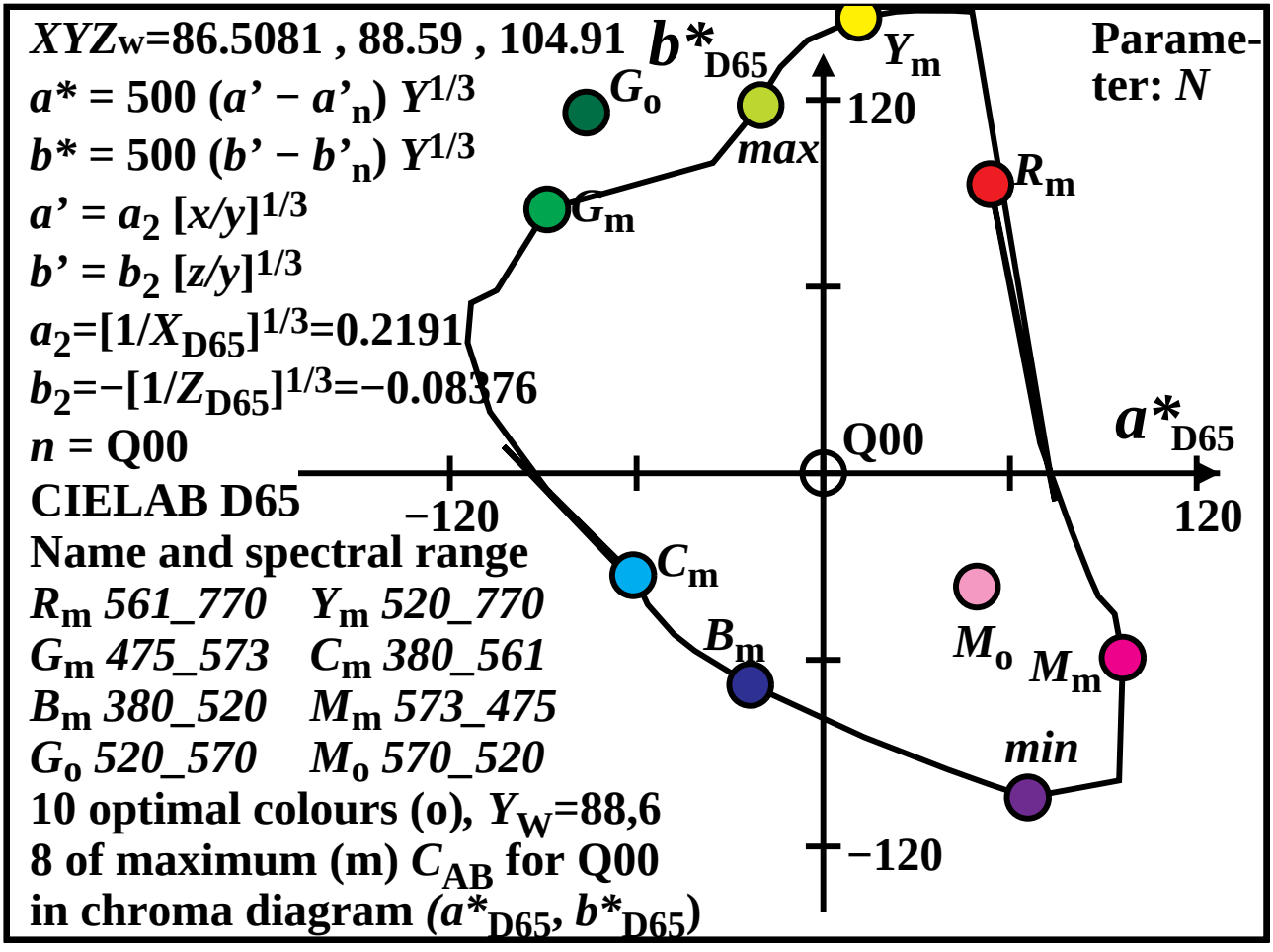

XYZ_w=90.1416 , 88.59 , 57.09
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = P40
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for P40
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
Parame-
ter: N
Y_m
R_m
G_o
max
G_m
P40
a^*_{D65}
−120
120
C_m
M_m
M_o
B_m
min
−120


XYZ_w=98.468 , 88.59 , 31.18
$a^* = 500\,(a' - a'_n)\,Y^{1/3}$
$b^* = 500\,(b' - b'_n)\,Y^{1/3}$
$a' = a_2\,[x/y]^{1/3}$
$b' = b_2\,[z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = A00
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for A00
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
120
−120
a^*_{D65}
A00
120
−120
Y_m
R_m
G_o
max
G_m
C_m
B_m
M_m
min
M_o
Parame-
ter: N


XYZ_w=88.5818 , 88.59 , 88.59
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = E00
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for E00
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
a^*_{D65}
120
−120
E00
Y_m
G_o
max
R_m
G_m
C_m
B_m
M_o M_m
min
Parame-
ter: N


XYZ_w=86.1862 , 88.59 , 102.89
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = C00
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for C00
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
Y_m
G_o
max
120
Parame-
ter: N
R_m
G_m
C00
a^*_{D65}
−120
120
C_m
B_m
M_o
M_m
min
−120


XYZw=90.6941 , 88.59 , 71.98
a* = 500 (a' − a'n) Y1/3
b* = 500 (b' − b'n) Y1/3
a' = a2 [x/y]1/3
b' = b2 [z/y]1/3
a2=[1/XD65]1/3=0.2191
b2=−[1/ZD65]1/3=−0.08376
n = P00
CIELAB D65
Name and spectral range
Rm 561_770 Ym 520_770
Gm 475_573 Cm 380_561
Bm 380_520 Mm 573_475
Go 520_570 Mo 570_520
10 optimal colours (o), YW=88,6
8 of maximum (m) CAB for P00
in chroma diagram (a*D65, b*D65)
b*D65
a*D65
Parame-
ter: N
120
Go
max
Rm
Gm
P00
−120
120
Cm
MoMm
Bm
min
−120


XYZ_w=86.5081 , 88.59 , 104.91
$a^* = 500\ (a' - a'_n)\ Y^{1/3}$
$b^* = 500\ (b' - b'_n)\ Y^{1/3}$
$a' = a_2\ [x/y]^{1/3}$
$b' = b_2\ [z/y]^{1/3}$
$a_2=[1/X_{D65}]^{1/3}=0.2191$
$b_2=-[1/Z_{D65}]^{1/3}=-0.08376$
n = Q00
CIELAB D65
Name and spectral range
R_m 561_770 Y_m 520_770
G_m 475_573 C_m 380_561
B_m 380_520 M_m 573_475
G_o 520_570 M_o 570_520
10 optimal colours (o), Y_W=88,6
8 of maximum (m) C_{AB} for Q00
in chroma diagram (a^*_{D65}, b^*_{D65})
b^*_{D65}
Y_m
Parame-
ter: N
120
G_o
max
R_m
G_m
Q00
a^*_{D65}
−120
120
C_m
B_m
M_o
M_m
min
−120