

$XYZ_w=95.0443, 100.0, 108.89$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2191$

$b_2 = [1/Z_n]^{1/3} = -0.08376$

$n = D65$

CIELAB 76

-120

D65

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

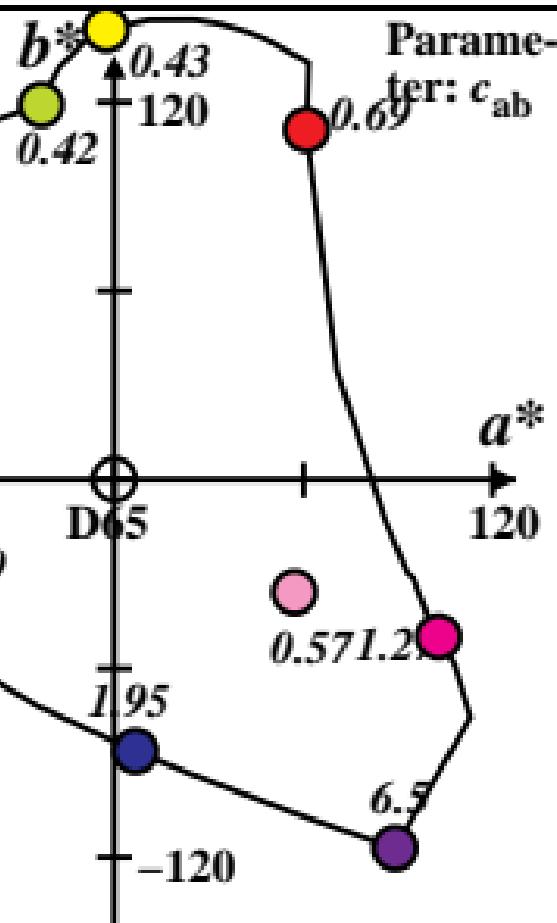
$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for D65
in CIELAB diagram (a^*, b^*)



$XYZ_w=96.4228, 100.0, 82.49$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.218$

$b_2=-[1/Z_n]^{1/3}=-0.09188$

$n = D50$

CIELAB 76

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for D50

in CIELAB diagram (a^*, b^*)

b^*

0.32
120

0.37

0.64

0.63

0.69

0.5

D50

a^*

120

0.51
1.0

1.74

2.75

-120

$XYZ_w=100.932, 100.0, 64.68$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2147$

$b_2 = -[1/Z_n]^{1/3} = -0.09964$

$n = P40$

CIELAB 76



Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

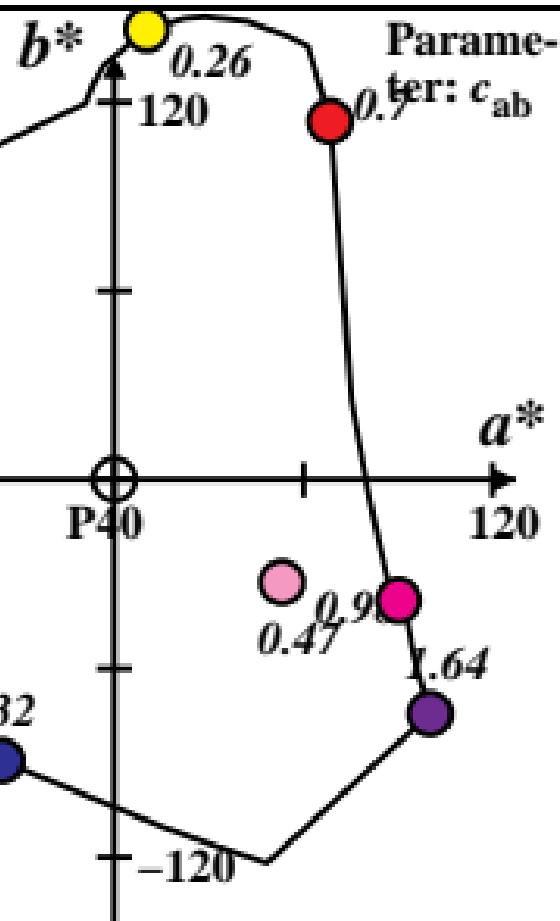
$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for P40

in CIELAB diagram (a^*, b^*)



$XYZ_w=109.849, 100.0, 35.58$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2088$

$b_2=-[1/Z_n]^{1/3}=-0.1216$

$n = A00$

CIELAB 76

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

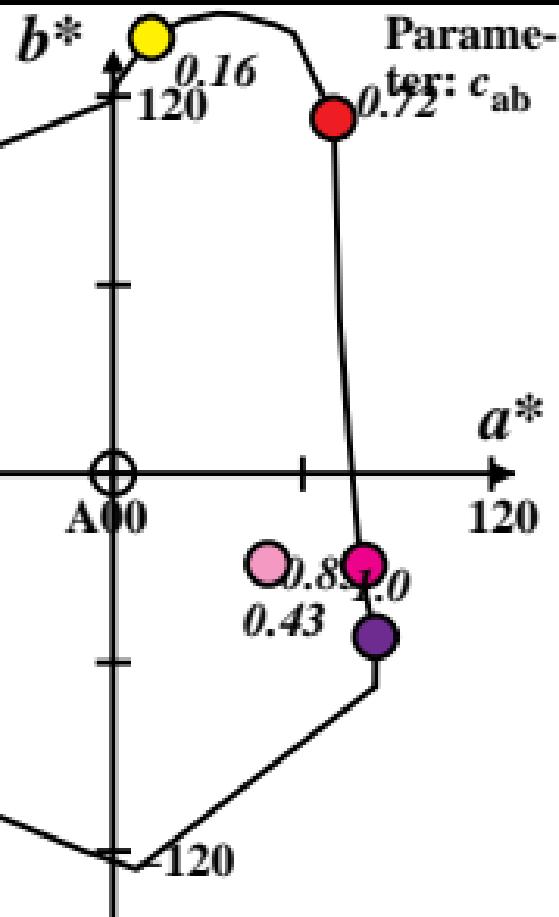
$B_m\ 380_520 \quad M_m\ 573_485$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for A00

in CIELAB diagram (a^* , b^*)



$XYZ_w=100.001, 100.0, 100.0$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2154$

$b_2=-[1/Z_n]^{1/3}=-0.08617$

$n = E00$

CIELAB 76

-120

E00

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

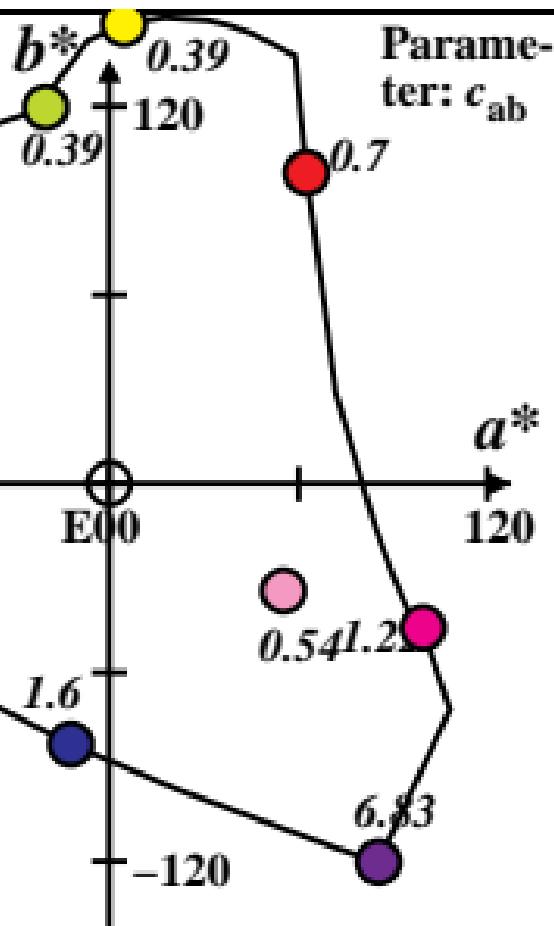
$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for E00

in CIELAB diagram (a^*, b^*)



$XYZ_w=98.0718, 100.0, 118.22$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2168$

$b_2 = [1/Z_n]^{1/3} = -0.08149$

$n = C00$

CIELAB 76

-120

C00

a^*
120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

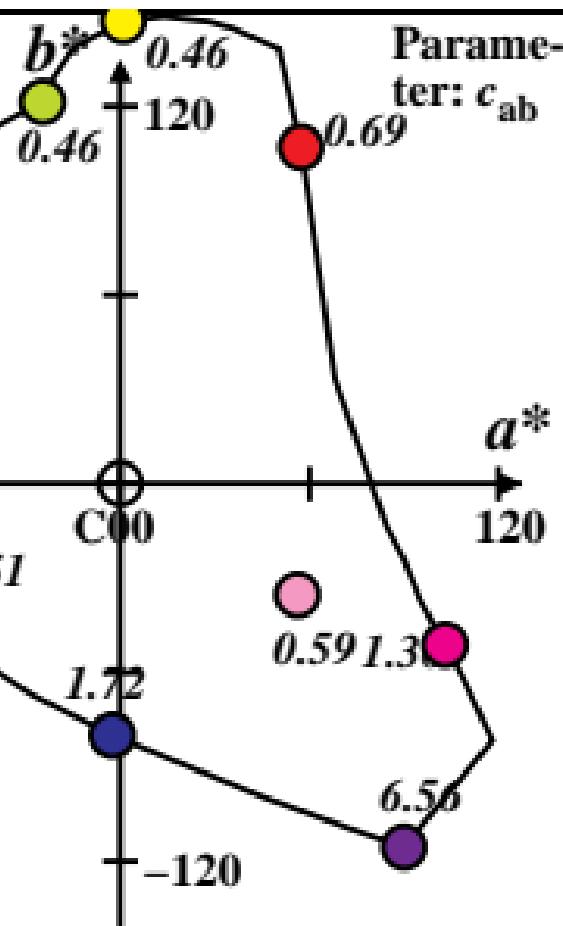
$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for C00
in CIELAB diagram (a^*, b^*)



$XYZ_w=102.067, 100.0, 81.06$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2139$

$b_2=-[1/Z_n]^{1/3}=-0.09242$

$n = P00$

CIELAB 76

-120

P00

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for P00

in CIELAB diagram (a^*, b^*)



$XYZ_w=97.9332, 100.0, 118.95$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2169$

$b_2 = -[1/Z_n]^{1/3} = -0.08133$

$n = Q00$

CIELAB 76

-120

Q00

a^*

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

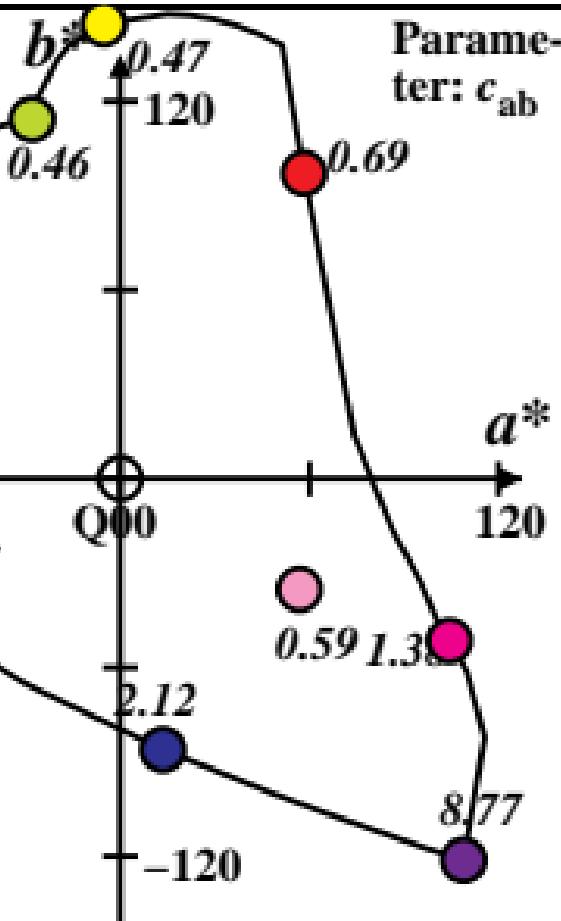
$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for Q00
in CIELAB diagram (a^*, b^*)



$XYZ_w=94.8136, 100.0, 107.33$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2193$

$b_2=-[1/Z_n]^{1/3}=-0.08416$

$n = D65$

CIELAB 76

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

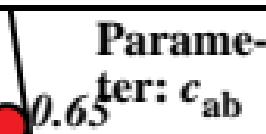
$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

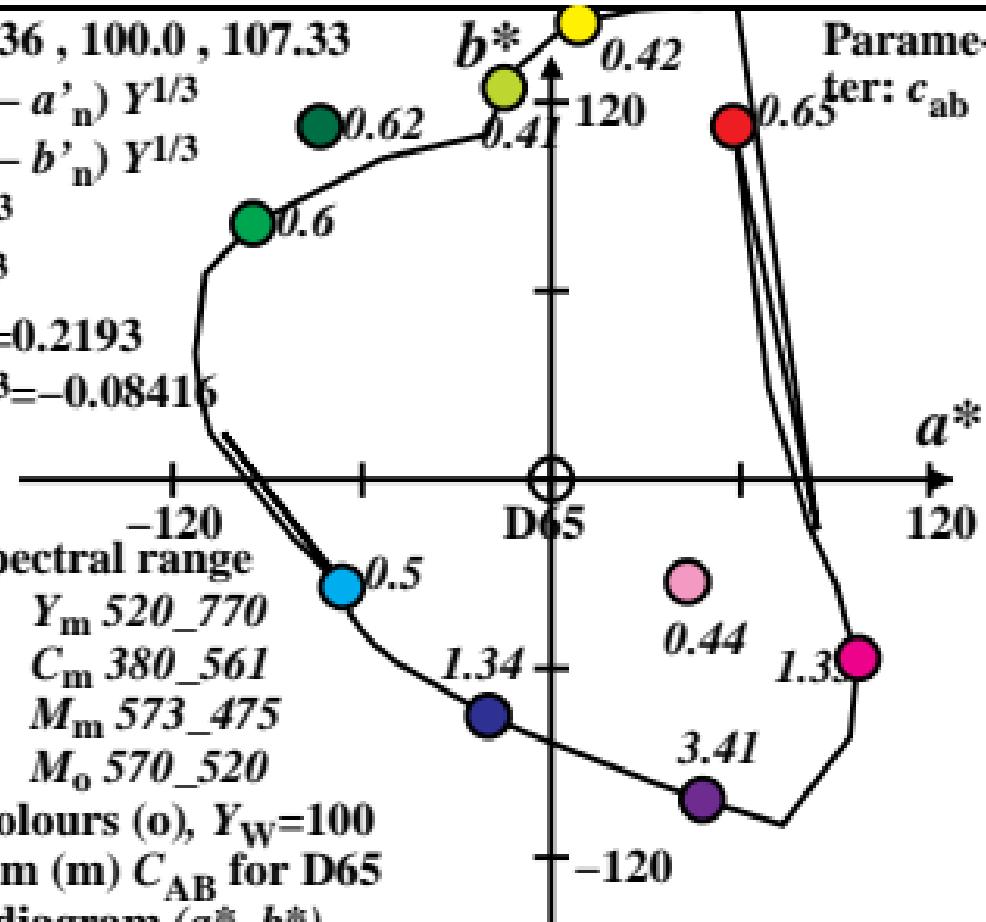
10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for D65

in CIELAB diagram (a^*, b^*)



Parameter: c_{ab}



$XYZ_w=96.7256, 100.0, 81.41$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2178$

$b_2=-[1/Z_n]^{1/3}=-0.09229$

$n = D50$

CIELAB 76

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for D50

in CIELAB diagram (a^*, b^*)

b^* 0.34

120 0.31

0.56

0.58

0.34

0.65

D50

a^*

120

-120 3.2

0.4 1.0

1.06

0.51

$XYZ_w=101.751, 100.0, 64.44$

$a^* = 500 (a' - a'_{\text{n}}) Y^{1/3}$

$b^* = 500 (b' - b'_{\text{n}}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2142$

$b_2 = -[1/Z_n]^{1/3} = -0.09976$

$n = \text{P40}$

CIELAB 76

Name and spectral range

$R_m \text{ 561_770 } Y_m \text{ 520_770}$

$G_m \text{ 475_573 } C_m \text{ 380_561}$

$B_m \text{ 380_520 } M_m \text{ 573_475}$

$G_o \text{ 520_570 } M_o \text{ 570_520}$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for P40

in CIELAB diagram (a^* , b^*)

b^* 0.26
120

0.56
0.24

0.58

P40

a^*
120

0.53
1.23

0.37
0.91

-120
3.91

Parame-
ter: c_{ab}

$XYZ_w=111.15, 100.0, 35.19$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2079$

$b_2=-[1/Z_n]^{1/3}=-0.12205$

$n = A00$

CIELAB 76



Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770 \quad 0.59$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475 \quad 1.03$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for A00

in CIELAB diagram (a^*, b^*)

Parameter: c_{ab}

$XYZ_w=99.9908, 99.9999, 100.0$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2154$

$b_2=-[1/Z_n]^{1/3}=-0.0861$

$n = E00$

CIELAB 76

-120

E00

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for E00

in CIELAB diagram (a^*, b^*)



$XYZ_w=97.2866, 100.0, 116.14$

$a^* = 500 (a' - a'_{n}) Y^{1/3}$

$b^* = 500 (b' - b'_{n}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2=[1/X_n]^{1/3}=0.2174$

$b_2=-[1/Z_n]^{1/3}=-0.08198$

$n = C00$

CIELAB 76

-120

C00

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for C00

in CIELAB diagram (a^*, b^*)

b^* 0.46

0.65

0.45 120

0.6

0.66

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

0.6

Parameter: c_{ab}

$XYZ_w=102.375, 100.0, 81.25$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2137$

$b_2 = -[1/Z_n]^{1/3} = -0.09235$

$n = P00$

CIELAB 76



Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

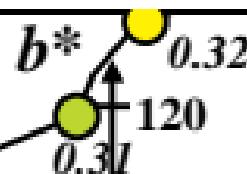
$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for P00

in CIELAB diagram (a^*, b^*)



Parameter: c_{ab}

$XYZ_w=97.65, 100.0, 118.42$

$a^* = 500 (a' - a'_{n*}) Y^{1/3}$

$b^* = 500 (b' - b'_{n*}) Y^{1/3}$

$a = a_2 [x/y]^{1/3}$

$b = b_2 [z/y]^{1/3}$

$a_2 = [1/X_n]^{1/3} = 0.2171$

$b_2 = -[1/Z_n]^{1/3} = -0.08145$

$n = Q00$

CIELAB 76

-120

Q00

a^*

120

Name and spectral range

$R_m\ 561_770 \quad Y_m\ 520_770$

$G_m\ 475_573 \quad C_m\ 380_561$

$B_m\ 380_520 \quad M_m\ 573_475$

$G_o\ 520_570 \quad M_o\ 570_520$

10 optimal colours (o), $Y_W=100$

8 of maximum (m) C_{AB} for Q00

in CIELAB diagram (a^*, b^*)



Parameter: c_{ab}