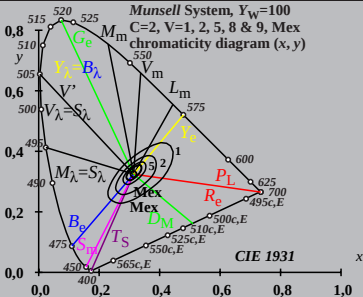


Munsell System, $Y_w=100$

$C=2, V=1, 2, 5, 8 \text{ \& } 9$, Mex
chromaticity diagram (x, y)



CIE 1931

x

$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 y_w=0,3243$

$A^*_0=(a_0-a_{0,n}+a_{0,Y}+a_{0,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_0=(b_0-b_{0,n}+b_{0,Y}+b_{0,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_0 = a_{20} [x/y]$

$b_0 = b_{20} [z/y]$

$a_{20} = 1, b_{20} = -0,4$

$n = \text{Mex}$

$a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$

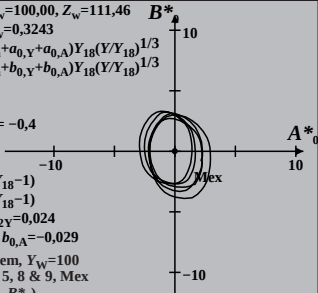
$a_{2Y}=0,021, b_{2Y}=0,024$

$a_{0,A}=-0,031, b_{0,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_0, B^*_0)*



$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 y_w=0,3243$

$A^*_1=(a_1-a_{1,n}+a_{1,Y}+a_{1,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_1=(b_1-b_{1,n}+b_{1,Y}+b_{1,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_1 = a_{20} [(x-0,171)/y]$

$b_1 = b_{20} [z/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{T1}=1,000, b_{T1}=0,171$

$n = \text{Mex}$

$a_{1,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{1,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0,021, b_{2Y}=0,024$

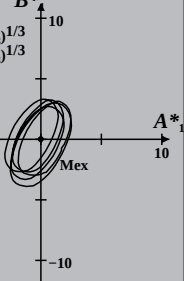
$a_{1,A}=-0,031, b_{1,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_1, B^*_1)*

B^*



$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 \ y_w=0,3243$

$A^*_2=(a_2-a_{2,n}+a_{2,Y}+a_{2,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_2=(b_2-b_{2,n}+b_{2,Y}+b_{2,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_2 = a_{20} [(x-0,171)/y]$

$b_2=b_{20} [(m_{P1}x+b_{P1})/y]$

$a_{20} = 1, \ b_{20} = -0,4$

$m_{P1}=-0,169, \ b_{P1}=0,389$

$n = \text{Mex}$

$a_{2,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{2,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0,021, \ b_{2Y}=0,024$

$a_{2,A}=-0,031, \ b_{2,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_2, B^*_2)*

B^*

$\uparrow$

10

A^*_2

10

Mex

-10

$$X_w=96,79, Y_w=100,00, Z_w=111,46$$

$$x_w=0,3140 \quad y_w=0,3243$$

$$A^*_3=(a_3-a_{3,n}+a_{3,Y}+a_{3,A})Y_{18}(Y/Y_{18})^{1/3}$$

$$B^*_3=(b_3-b_{3,n}+b_{3,Y}+b_{3,A})Y_{18}(Y/Y_{18})^{1/3}$$

$$a_3 = a_{20} [(x-0,171)/y]$$

$$b_3=b_{20} [(m_{D1}x+b_{D1})/y]$$

$$a_{20} = 1, \quad b_{20} = -0,4$$

$$m_{D1}=-0,974, \quad b_{D1}=0,658$$

$$n = \text{Mex}$$

$$a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$$

$$b_{3,Y}=b_{2Y}(Y/Y_{18}-1)$$

$$a_{2Y}=0,021, \quad b_{2Y}=0,024$$

$$a_{3,A}=-0,031, \quad b_{3,A}=-0,029$$

$$\text{Munsell System, } Y_w=100$$

$$C=2, \quad V=1, 2, 5, 8 \text{ \& } 9, \text{ Mex}$$

$$\text{chroma } (A^*_3, B^*_3)$$

B^*

10

A^*_3

10

Mex

-10

$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 y_w=0,3243$

$A^*_4=(a_4-a_{4,n}+a_{4,Y}+a_{4,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_4=(b_4-b_{4,n}+b_{4,Y}+b_{4,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_4 = a_{20} [(x-0,171)/y]$

$b_4=b_{20} [(m_{P1}x+b_{P1})/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{P1}=-0,169, b_{P1}=0,389$

$n = \text{Mex}$

$a_{4,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{4,Y}=b_{2Y}(Y/Y_{18}-1)$

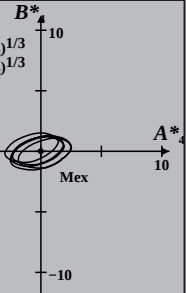
$a_{2Y}=0,021, b_{2Y}=0,024$

$a_{4,A}=-0,031, b_{4,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_4, B^*_4)*



$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 \ y_w=0,3243$

$A^*_5=(a_5-a_{5,n}+a_{5,Y}+a_{5,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_5=(b_5-b_{5,n}+b_{5,Y}+b_{5,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_5 = a_{20} [(x-0,171)/y]$

$b_5=b_{20} [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1, \ b_{20} = -0,4$

$m_{D1}=-0,974, \ b_{D1}=0,658$

$n = \text{Mex}$

$a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0,021, \ b_{2Y}=0,024$

$a_{5,A}=-0,031, \ b_{5,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_5, B^*_5)*

B^*

10

A^*_5

10

Mex

-10



$X_w=96,79, Y_w=100,00, Z_w=111,46$

$x_w=0,3140 y_w=0,3243$

$A^*_6=(a_6-a_{6,n}+a_{6,Y}+a_{6,A})Y_{18}(Y/Y_{18})^{1/3}$

$B^*_6=(b_6-b_{6,n}+b_{6,Y}+b_{6,A})Y_{18}(Y/Y_{18})^{1/3}$

$a_6 = a_{20} [x/y]$

$b_6=b_{20} [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1, b_{20} = -0,4$

$m_{D1}=-0,974, b_{D1}=0,658$

$n = \text{Mex}$

$a_{6,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{6,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0,021, b_{2Y}=0,024$

$a_{6,A}=-0,031, b_{6,A}=-0,029$

Munsell System, $Y_w=100$

C=2, V=1, 2, 5, 8 & 9, Mex

*chroma (A^*_6, B^*_6)*

B^*



10

A^*_6

10



Mex

-10