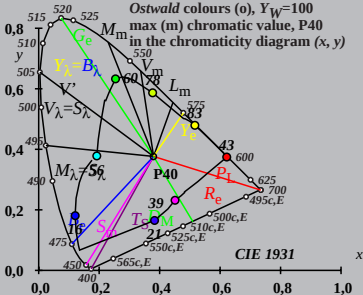


Ostwald colours (o), $Y_W=100$
 max (m) chromatic value, P40
 in the chromaticity diagram (x, y)



CIE 1931

x

$X_w=100,93$, $Y_w=100,00$, $Z_w=64,68$

$x_w=0,3799$ $y_w=0,3764$

$A_0 = (a_0 - a_{0,n}) Y_{18} (Y/Y_{18})^{1/3}$

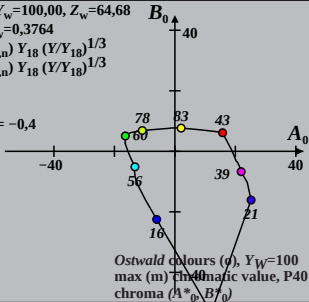
$B_0 = (b_0 - b_{0,n}) Y_{18} (Y/Y_{18})^{1/3}$

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

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

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

$n = P40$



$X_w=100,93$, $Y_w=100,00$, $Z_w=64,68$

$x_w=0,3799$ $y_w=0,3764$

$A_1 = (a_1 - a_{1,n}) Y_{18} (Y/Y_{18})^{1/3}$

$B_1 = (b_1 - b_{1,n}) Y_{18} (Y/Y_{18})^{1/3}$

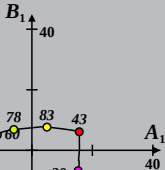
$a_1 = a_{20} [(x-0,171)/y]$

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

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

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

$n = P40$



Ostwald colours (o), $Y_w=100$
 max (m) chromatic value, P40
 chroma (A^*_1 , B^*_1)

$X_w=100,93$, $Y_w=100,00$, $Z_w=64,68$

$x_w=0,3799$ $y_w=0,3764$

$A_2 = (a_2 - a_{2,n}) Y_{18} (Y/Y_{18})^{1/3}$

$B_2 = (b_2 - b_{2,n}) Y_{18} (Y/Y_{18})^{1/3}$

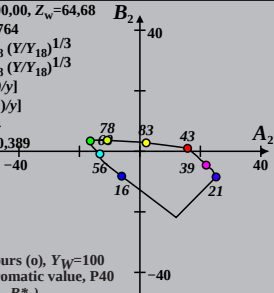
$a_2 = a_{20} [(x-0,171)/y]$

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

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

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

$n = P40$



$$X_w=100,93, Y_w=100,00, Z_w=64,68$$

$$x_w=0,3799 \quad y_w=0,3764$$

$$A_3 = (a_3 - a_{3,n}) Y_{18} (Y/Y_{18})^{1/3}$$

$$B_3 = (b_3 - b_{3,n}) Y_{18} (Y/Y_{18})^{1/3}$$

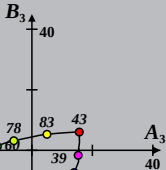
$$a_3 = a_{20} [(x-0,171)/y]$$

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

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

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

$$n = P40$$



Ostwald colours (o), $Y_w=100$
 max (m) chromatic value, P40
 chroma (A^*_3, B^*_3)

$X_w=100,93, Y_w=100,00, Z_w=64,68$

$x_w=0,3799, y_w=0,3764$

$A_4 = (a_4 - a_{4,n}) Y_{18} (Y/Y_{18})^{1/3}$

$B_4 = (b_4 - b_{4,n}) Y_{18} (Y/Y_{18})^{1/3}$

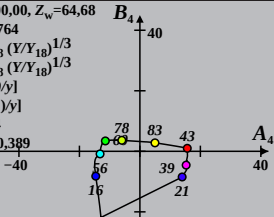
$a_4 = a_{20} [(x-0,171)/y]$

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

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

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

$n = P40$



Ostwald colours (o), $Y_w=100$
max (m) chromatic value, P40
chroma (A^*_4, B^*_4)

$$X_w=100,93, Y_w=100,00, Z_w=64,68$$

$$x_w=0,3799 \quad y_w=0,3764$$

$$A_5 = (a_5 - a_{5,n}) Y_{18} (Y/Y_{18})^{1/3}$$

$$B_5 = (b_5 - b_{5,n}) Y_{18} (Y/Y_{18})^{1/3}$$

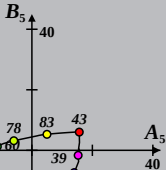
$$a_5 = a_{20} [(x-0,171)/y]$$

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

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

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

$$n = P40$$



Ostwald colours (o), $Y_w=100$
 max (m) chromatic value, P40
 chroma (A^*_5, B^*_5)

$X_w=100,93$, $Y_w=100,00$, $Z_w=64,68$

$x_w=0,3799$ $y_w=0,3764$

$A_6 = (a_6 - a_{6,n}) Y_{18} (Y/Y_{18})^{1/3}$

$B_6 = (b_6 - b_{6,n}) Y_{18} (Y/Y_{18})^{1/3}$

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

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

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

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

$n = P40$

