

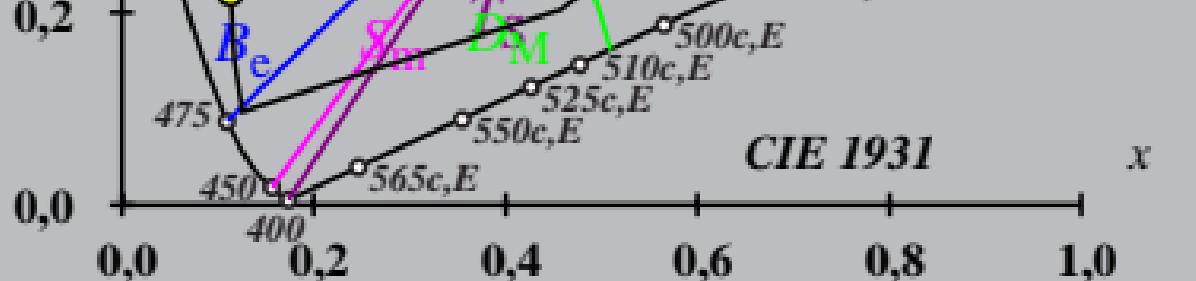
Ostwald colours O_C , $Y_W=100$
 max (m) chromatic value, P30
 chromaticity (x, y)

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

$V_\lambda = S_\lambda$

12	450c	500c,E
475	510c,E	525c,E
490	550c,E	565c,E
495	575c,E	580c,E
505	590c,E	600c,E
510	610c,E	625c,E
515	630c,E	640c,E
520	650c,E	660c,E
525	670c,E	680c,E
550	700c,E	710c,E
573	730c,E	740c,E
590	760c,E	770c,E
600	780c,E	790c,E
625	810c,E	820c,E
640	840c,E	850c,E
660	870c,E	880c,E
680	900c,E	910c,E
700	930c,E	940c,E
710	960c,E	970c,E
730	990c,E	1000c,E



CIE 1931

$X_w=108,04, Y_w=100,00, Z_w=39,55$

$x_w=0,4363 y_w=0,4038$

$A_0=(a_0-[a_{0,n}+a_{0,Y}+a_{0,A}]) Y$

$B_0=(b_0-[b_{0,n}+b_{0,Y}+b_{0,A}]) Y$

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

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

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

$n = P30$

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

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

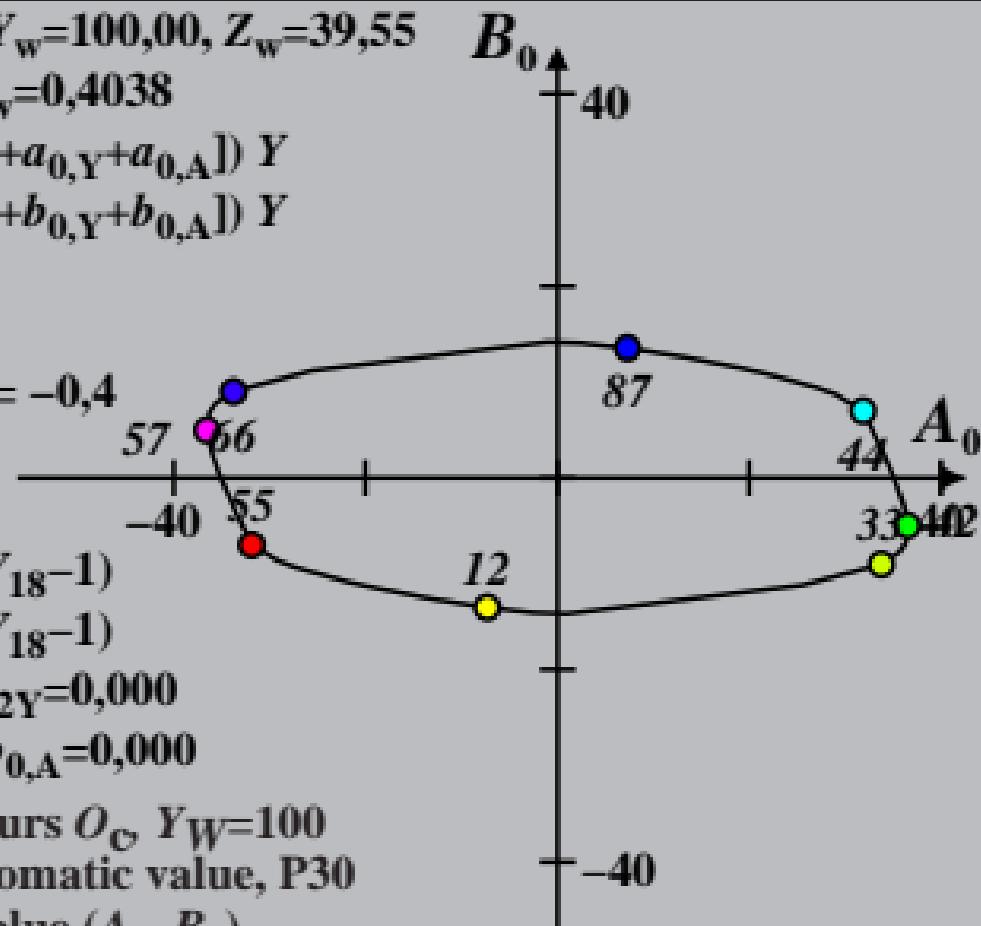
$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{0,A}=0,000, b_{0,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_0, B_0)



$X_w=108,04, Y_w=100,00, Z_w=39,55$

$x_w=0,4363 y_w=0,4038$

$A_1=(a_{1,n}+a_{1,Y}+a_{1,A}) Y$

$B_1=(b_{1,n}+b_{1,Y}+b_{1,A}) Y$

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

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

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

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

$n = P30$

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

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

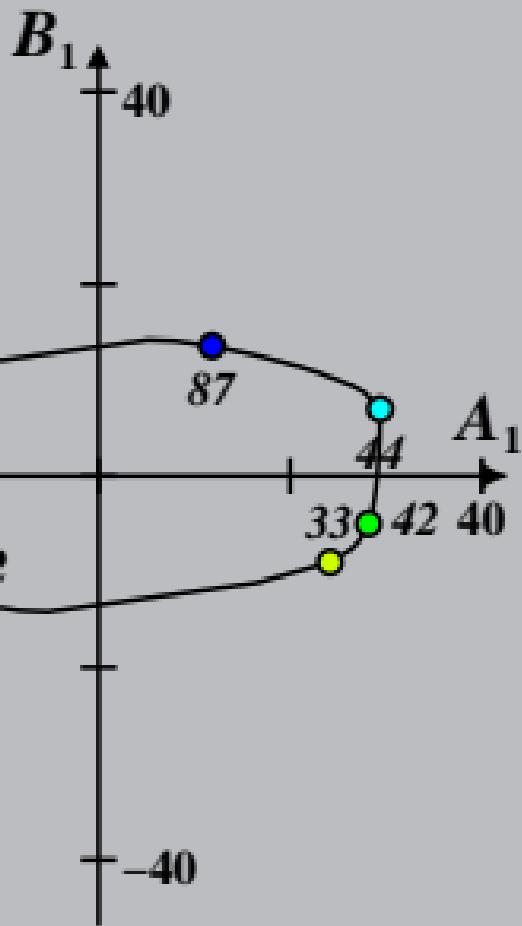
$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{1,A}=0,000, b_{1,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_1, B_1)



$X_w=108,04$, $Y_w=100,00$, $Z_w=39,55$

$x_w=0,4363$ $y_w=0,4038$

$A_2=(a_2-[a_{2,n}+a_{2,Y}+a_{2,A}]) Y$

$B_2=(b_2-[b_{2,n}+b_{2,Y}+b_{2,A}]) Y$

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

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

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

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

$n = P30$

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

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

$a_{2Y}=0,000$, $b_{2Y}=0,000$

$a_{2,A}=0,000$, $b_{2,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_2 , B_2)

B_2

40

-40

12

87

A_2

41
38
402

-40

$X_w=108,04$, $Y_w=100,00$, $Z_w=39,55$

$x_w=0,4363$ $y_w=0,4038$

$A_3=(a_{3,n}+a_{3,Y}+a_{3,A}) Y$

$B_3=(b_{3,n}+b_{3,Y}+b_{3,A}) Y$

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

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

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

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

$n = P30$

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

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

$a_{2Y}=0,000$, $b_{2Y}=0,000$

$a_{3,A}=0,000$, $b_{3,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_3 , B_3)

B_3

40

A_3

40

-40
57
55
66

12

87

33

44

42

-40

$X_w=108,04, Y_w=100,00, Z_w=39,55$

$x_w=0,4363 y_w=0,4038$

$A_4=(a_4-[a_{4,n}+a_{4,Y}+a_{4,A}]) Y$

$B_4=(b_4-[b_{4,n}+b_{4,Y}+b_{4,A}]) Y$

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

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

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

$m_{P1}=-0,169, b_{P1}=0,389575$

$n = P30$

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

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

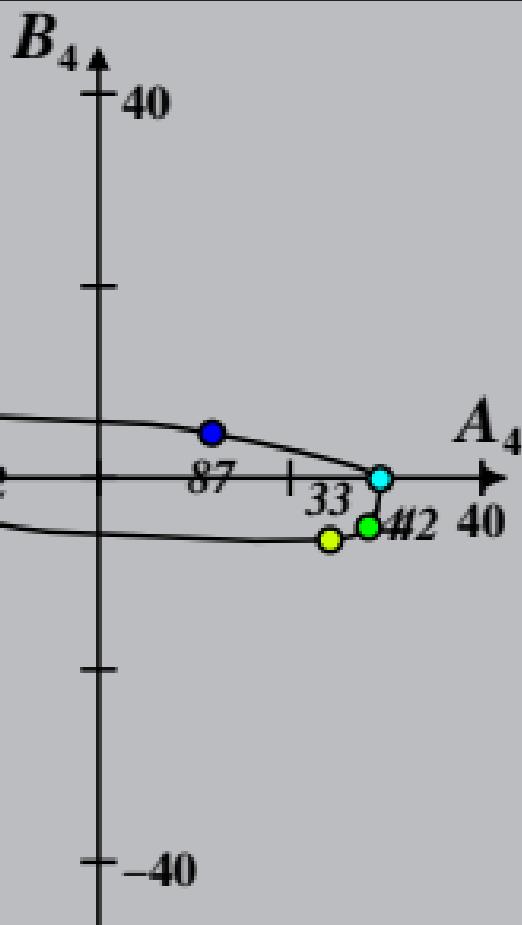
$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{4,A}=0,000, b_{4,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_4, B_4)



$X_w=108,04, Y_w=100,00, Z_w=39,55$

$x_w=0,4363 y_w=0,4038$

$A_5=(a_5-[a_{5,n}+a_{5,Y}+a_{5,A}]) Y$

$B_5=(b_5-[b_{5,n}+b_{5,Y}+b_{5,A}]) Y$

$a_5=a_{2x}[(+8,61x-7,19y-0,26)/y]$

$b_5=b_{2x}[(+1,99x+3,86y-2,40)/y]$

$a_{2x}=0,10, b_{2x}=0,10$

$\lambda_{B,G,Y,R}=475,503,574,594 \text{ nm}$

$n = P30$

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

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

$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{5,A}=0,000, b_{5,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_5, B_5)

B_5

+ 40

A_5

87

42

4240

-40

12

-

-40

$X_w=108,04, Y_w=100,00, Z_w=39,55$

$x_w=0,4363 y_w=0,4038$

$A_6=(a_6-[a_{6,n}+a_{6,Y}+a_{6,A}]) Y$

$B_6=(b_6-[b_{6,n}+b_{6,Y}+b_{6,A}]) Y$

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

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

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

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

$n = P30$

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

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

$a_{2Y}=0,000, b_{2Y}=0,000$

$a_{6,A}=0,000, b_{6,A}=0,000$

Ostwald colours O_C $Y_W=100$

max (m) chromatic value, P30

chromatic value (A_6, B_6)

