

**$XYZ_{w_{10}}=109.29, 99.99, 39.19$**

$$A_{2,10} = 2,5 (a_{2,10} - a_{2,n,10}) Y_{10}$$

$$B_{2,10} = 2,5 B_c (b_{2,10} - b_{2,n,10}) Y_{10}$$

$$a_{2,10} = a_{20} [ (x_{10} - x_c) / y_{10} ]$$

$$b_{2,10} = b_{20} [x_{10}/y_{10}]$$

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

$$x_c = 0,110, B_c = 2,500$$

$$C_{AB2,10} = [A_{2,10}^2 + B_{2,10}^2]^{1/2}$$

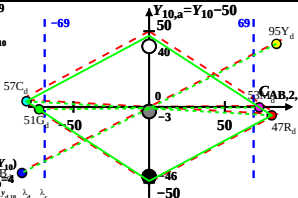
**6 Ostwald colours (o)**

of maximum (m)  $C_{AB,10}$  in

linear colour space ( $C_{AB,2.10}, Y_{10}$ )

Illumin. P30,  $Y_{\text{max}}=100$ ,  $Y_{\text{min}}=4$ 

| Name  | Range   | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|-------|---------|------------|------------|------------|------------|------------|-------------|-------------|
| $R_d$ | 574_775 | 80.72      | 47.39      | 1.6        | 0.6222     | 0.3653     | 602         | 491         |
| $Y_d$ | 497_775 | 103.44     | 94.68      | 3.68       | 0.5125     | 0.4691     | 577         | 469         |
| $G_d$ | 497_574 | 27.19      | 51.39      | 3.68       | 0.3305     | 0.6246     | 542         | 542c        |
| $C_d$ | 380_574 | 33.05      | 56.7       | 39.2       | 0.2563     | 0.4397     | 491         | 602         |
| $B_d$ | 380_497 | 10.33      | 9.41       | 37.12      | 0.1817     | 0.1655     | 469         | 577         |
| $M_d$ | 574_497 | 86.58      | 52.71      | 37.12      | 0.4907     | 0.2987     | 542c        | 542         |
| $W_d$ | 380_775 | 109.29     | 99.99      | 39.19      | 0.4398     | 0.4024     |             | 100%        |
| $N_d$ | 380_775 | 4.37       | 3.99       | 1.56       | 0.4398     | 0.4024     |             | 4%          |
| $Z_d$ | 380_775 | 19.67      | 17.99      | 7.05       | 0.4398     | 0.4024     |             | 18%         |



### Parameter:

### Y<sub>10</sub> & Name

### Illuminant P30

$$Y_{W,10}=100, Y_{N,10}=4$$