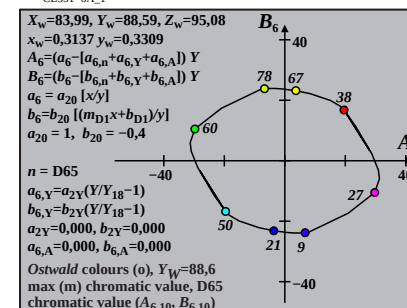
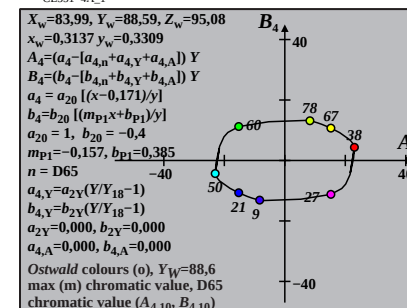
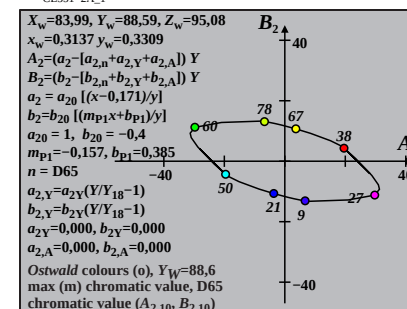
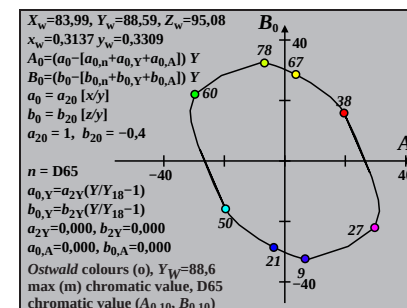
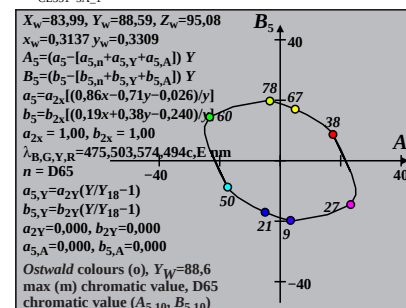
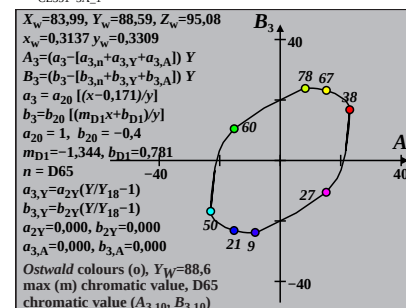
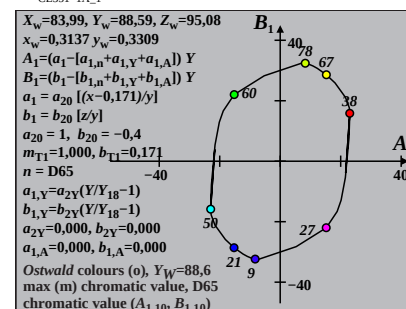
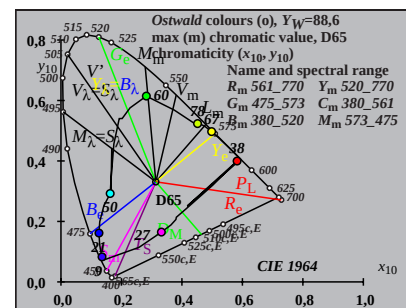


see similar files: <http://farbe.li.tu-berlin.de/CE35/CE35.HTM>  
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

Ostwald optimal colours (o) of maximum (m)  $CAB_{10}$  for D65,  $Y_{w,10}=88,6$ ,  $Y_m=520_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $CAB_{10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|------------|----------|----------|-------------|------------------|------------------|------|
| 0 405            | 31 556           | 50.11    | -19.39   | -16.23   | 25.29      | 0.5611   | -0.7532  | 219.9       | 15 476           | 37 585           | Cm   |
| 6 435            | 31 557           | 50.86    | -23.42   | -7.79    | 24.68      | 0.4876   | -0.5825  | 198.4       | 16 480           | 44 621           |      |
| 10 450           | 31 559           | 50.96    | -28.77   | 5.39     | 29.28      | 0.3834   | -0.3234  | 169.3       | 18 491           | -1 491c          |      |
| 11 460           | 32 562           | 52.51    | -30.03   | 9.32     | 31.45      | 0.3761   | -0.2517  | 162.7       | 19 498           | -1 498c          |      |
| 12 465           | 33 565           | 53.96    | -30.94   | 12.89    | 33.52      | 0.3747   | -0.1903  | 157.3       | 21 506           | -1 506c          |      |
| 14 470           | 34 570           | 55.87    | -31.17   | 18.31    | 36.15      | 0.3903   | -0.1016  | 149.5       | 24 522           | -1 522c          |      |
| 15 475           | 35 579           | 60.81    | -29.72   | 22.02    | 36.99      | 0.4593   | -0.0672  | 143.4       | 26 533           | -1 533c          | Gm   |
| 16 480           | 41 606           | 72.59    | -20.95   | 28.25    | 35.17      | 0.6594   | -0.0401  | 126.5       | 30 550           | -1 550c          |      |
| 16 485           | -1 484c          | 81.76    | -9.26    | 32.18    | 33.49      | 0.8348   | -0.0356  | 106.0       | 32 560           | 10 454           |      |
| 18 490           | -1 490c          | 78.9     | -6.71    | 32.38    | 33.07      | 0.863    | -0.0188  | 101.7       | 32 562           | 11 459           | max  |
| 19 495           | -1 495c          | 77.11    | -5.03    | 32.05    | 32.44      | 0.8828   | -0.0136  | 98.9        | 32 563           | 12 461           |      |
| 19 500           | -1 499c          | 77.11    | -5.03    | 32.05    | 32.44      | 0.8828   | -0.0136  | 98.9        | 32 563           | 12 461           |      |
| 22 510           | -1 510c          | 70.07    | 1.26     | 29.72    | 29.75      | 0.9662   | -0.0051  | 87.5        | 33 566           | 13 466           |      |
| 23 520           | -1 519c          | 67.16    | 3.64     | 28.59    | 28.82      | 1.0024   | -0.0036  | 82.7        | 33 568           | 13 468           | Ym   |
| 26 530           | -1 530c          | 56.85    | 10.9     | 24.34    | 26.68      | 1.14     | -0.001   | 65.8        | 34 573           | 14 472           |      |
| 27 540           | -1 539c          | 53.07    | 13.12    | 22.75    | 26.26      | 1.1955   | -0.0005  | 60.0        | 35 576           | 14 473           |      |
| 28 545           | -1 544c          | 49.2     | 15.14    | 21.11    | 25.98      | 1.2559   | -0.0002  | 54.3        | 35 578           | 14 474           |      |
| 29 550           | -1 549c          | 45.28    | 16.91    | 19.43    | 25.76      | 1.3215   | -0.0001  | 48.9        | 36 580           | 15 475           |      |
| 31 555           | -1 555c          | 37.53    | 19.47    | 16.11    | 25.27      | 1.4668   | 0.0      | 39.6        | 37 586           | 15 476           |      |
| 32 560           | 10 451           | 35.47    | 28.81    | -5.48    | 29.33      | 1.7605   | -0.5839  | 349.2       | -1 492c          | 18 492           |      |
| 31 556           | 0 405            | 49.88    | 19.39    | 16.23    | 25.29      | 1.3369   | -0.1039  | 39.9        | 37 585           | 15 476           | Rm   |
| 31 557           | 6 435            | 49.13    | 23.42    | 7.79     | 24.68      | 1.4249   | -0.2706  | 18.4        | 44 621           | 16 480           |      |
| 31 559           | 10 450           | 49.03    | 28.77    | -5.39    | 29.28      | 1.535    | -0.5393  | 349.3       | -1 491c          | 18 491           |      |
| 32 562           | 11 460           | 47.48    | 30.03    | -9.32    | 31.45      | 1.5806   | -0.6257  | 342.7       | -1 498c          | 19 498           |      |
| 33 565           | 12 465           | 46.03    | 30.94    | -12.89   | 33.52      | 1.6203   | -0.7095  | 337.3       | -1 506c          | 21 506           |      |
| 34 570           | 14 470           | 44.12    | 31.16    | -18.31   | 36.15      | 1.6546   | -0.8444  | 329.5       | -1 522c          | 24 522           |      |
| 35 579           | 15 475           | 39.18    | 29.72    | -22.02   | 36.99      | 1.7067   | -0.9913  | 323.4       | -1 533c          | 26 533           | Mm   |
| 41 606           | 16 480           | 27.4     | 20.95    | -28.25   | 35.17      | 1.713    | -1.4603  | 306.5       | -1 550c          | 30 550           |      |
| -1 484c          | 16 485           | 18.23    | 9.26     | -32.18   | 33.49      | 1.4561   | -2.1949  | 286.0       | 10 454           | 32 560           |      |
| -1 490c          | 18 490           | 21.09    | 6.7      | -32.38   | 33.07      | 1.2661   | -1.9644  | 281.7       | 11 459           | 32 562           | min  |
| -1 495c          | 19 495           | 22.88    | 5.03     | -32.05   | 32.44      | 1.1683   | -1.8303  | 278.9       | 12 461           | 32 563           |      |
| -1 499c          | 19 500           | 22.88    | 5.03     | -32.05   | 32.44      | 1.1683   | -1.8303  | 278.9       | 12 461           | 32 563           |      |
| -1 510c          | 22 510           | 29.92    | -1.26    | -29.72   | 29.75      | 0.9057   | -1.4227  | 267.5       | 13 466           | 33 566           |      |
| -1 519c          | 23 520           | 32.83    | -3.64    | -28.59   | 28.82      | 0.8369   | -1.3001  | 262.7       | 13 468           | 33 568           | Bm   |
| -1 530c          | 26 530           | 43.14    | -10.9    | -24.34   | 26.68      | 0.6953   | -0.9936  | 245.8       | 14 472           | 34 573           |      |
| -1 539c          | 27 540           | 46.92    | -13.12   | -22.75   | 26.26      | 0.6683   | -0.9141  | 240.0       | 14 473           | 35 576           |      |
| -1 544c          | 28 545           | 50.79    | -15.14   | -21.11   | 25.98      | 0.6499   | -0.8449  | 234.3       | 14 474           | 35 578           |      |
| -1 549c          | 29 550           | 54.71    | -16.91   | -19.43   | 25.76      | 0.639    | -0.7846  | 228.9       | 15 475           | 36 580           |      |
| -1 555c          | 31 555           | 62.46    | -19.47   | -16.11   | 25.27      | 0.6363   | -0.6873  | 219.6       | 15 476           | 37 586           |      |
| 10 451           | 32 560           | 64.52    | -28.81   | 5.48     | 29.33      | 0.5015   | -0.3443  | 169.2       | 18 492           | -1 492c          |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01       | 0.9481   | -0.4293  | 0.0         |                  |                  |      |

TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant D65; diagram for illuminant D65,  $Y_{w,10}=88,6$



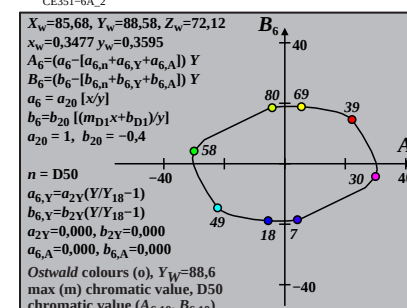
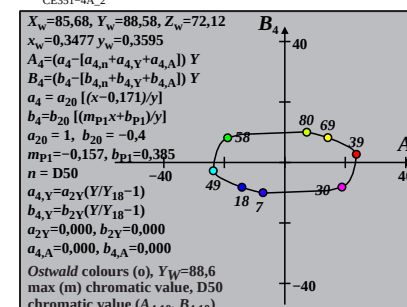
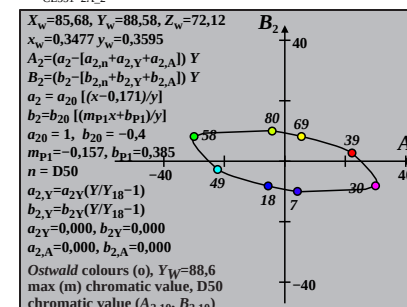
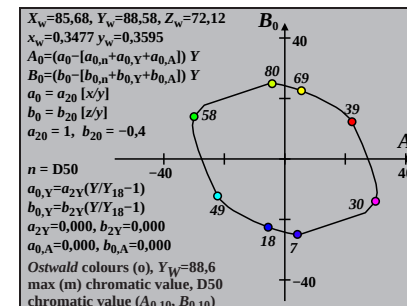
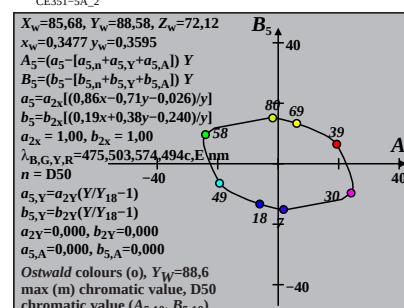
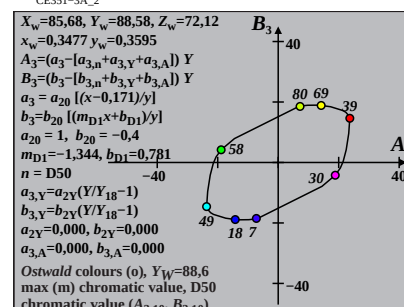
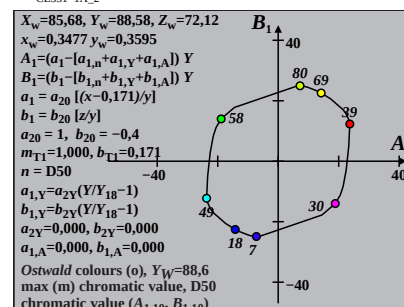
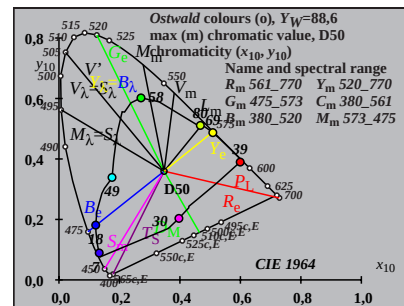
TUB registration: 20170801-CE35/CE35L0NA.TXT /PS  
application for measurement of offset print output

TUB material: code=rha4ta

Ostwald optimal colours (o) of maximum (m)  $CAB_{10}$  for D50,  $Y_{w,10}=88,6$ ,  $Y_m=520_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $CAB_{10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|------------|----------|----------|-------------|------------------|------------------|------|
| 1 405            | 31 559           | 49.57    | -22.22   | -12.28   | 25.39      | 0.5189   | -0.5733  | 208.9       | 15 479           | 37 589           | Cm   |
| 7 435            | 32 561           | 49.98    | -25.6    | -4.9     | 26.07      | 0.455    | -0.4238  | 190.8       | 16 484           | 58 693           |      |
| 10 450           | 32 562           | 50.19    | -28.6    | 2.87     | 28.74      | 0.3973   | -0.2684  | 174.2       | 18 493           | -1 493c          |      |
| 12 460           | 32 564           | 50.86    | -30.08   | 7.95     | 31.12      | 0.3757   | -0.1691  | 165.1       | 20 503           | -1 503c          |      |
| 13 465           | 33 566           | 51.8     | -30.42   | 10.3     | 32.12      | 0.38     | -0.1267  | 161.2       | 22 512           | -1 512c          |      |
| 14 470           | 34 570           | 53.71    | -30.41   | 12.6     | 32.92      | 0.401    | -0.0909  | 157.4       | 24 521           | -1 521c          |      |
| 15 475           | 35 576           | 57.15    | -29.53   | 15.04    | 33.14      | 0.4504   | -0.0624  | 153.0       | 26 531           | -1 531c          | Gm   |
| 16 480           | 38 590           | 64.56    | -25.87   | 18.44    | 31.77      | 0.5665   | -0.04    | 144.5       | 28 543           | -1 543c          |      |
| 17 485           | -1 485c          | 82.03    | -5.4     | 24.84    | 25.42      | 0.9014   | -0.0228  | 102.2       | 32 563           | 11 458           |      |
| 18 490           | -1 490c          | 80.7     | -4.15    | 24.92    | 25.27      | 0.9157   | -0.0168  | 99.4        | 32 564           | 12 460           | max  |
| 19 495           | -1 495c          | 79.13    | -2.64    | 24.79    | 24.93      | 0.9338   | -0.0123  | 96.0        | 33 565           | 12 462           |      |
| 20 500           | -1 500c          | 77.28    | -0.89    | 24.47    | 24.49      | 0.9556   | -0.0089  | 92.0        | 33 566           | 12 464           |      |
| 21 510           | -1 509c          | 75.15    | 1.06     | 23.98    | 24.0       | 0.9814   | -0.0065  | 87.4        | 33 567           | 13 466           |      |
| 24 520           | -1 520c          | 66.96    | 7.86     | 21.65    | 23.03      | 1.0847   | -0.0023  | 70.0        | 34 571           | 14 471           | Ym   |
| 25 530           | -1 529c          | 63.63    | 10.28    | 20.62    | 23.04      | 1.1288   | -0.0015  | 63.4        | 34 573           | 14 473           |      |
| 28 540           | -1 540c          | 52.55    | 16.96    | 17.1     | 24.09      | 1.29     | -0.0002  | 45.2        | 35 579           | 15 476           |      |
| 29 545           | -1 545c          | 48.65    | 18.8     | 15.83    | 24.58      | 1.3537   | -0.0001  | 40.1        | 36 581           | 15 477           |      |
| 29 550           | -1 549c          | 48.65    | 18.8     | 15.83    | 24.58      | 1.3537   | -0.0001  | 40.1        | 36 581           | 15 477           |      |
| 31 555           | -1 555c          | 40.81    | 21.53    | 13.29    | 25.3       | 1.4949   | 0.0      | 31.6        | 37 587           | 15 479           |      |
| 32 560           | 2 411            | 37.02    | 22.69    | 11.34    | 25.37      | 1.5801   | -0.0192  | 26.5        | 38 591           | 16 480           |      |
| 31 559           | 1 405            | 50.42    | 22.22    | 12.28    | 25.39      | 1.4079   | -0.0821  | 28.9        | 37 589           | 15 479           | Rm   |
| 32 561           | 7 435            | 50.01    | 25.6     | 4.9      | 26.07      | 1.4792   | -0.2275  | 10.8        | 58 693           | 16 484           |      |
| 32 562           | 10 450           | 49.8     | 28.6     | -2.87    | 28.74      | 1.5415   | -0.3833  | 354.2       | -1 493c          | 18 493           |      |
| 32 564           | 12 460           | 49.13    | 30.08    | -7.95    | 31.11      | 1.5794   | -0.4876  | 345.1       | -1 503c          | 20 503           |      |
| 33 566           | 13 465           | 48.19    | 30.42    | -10.3    | 32.12      | 1.5985   | -0.5394  | 341.2       | -1 512c          | 22 512           |      |
| 34 570           | 14 470           | 46.28    | 30.41    | -12.6    | 32.92      | 1.6244   | -0.598   | 337.4       | -1 521c          | 24 521           |      |
| 35 576           | 15 475           | 42.84    | 29.53    | -15.04   | 33.14      | 1.6565   | -0.6766  | 333.0       | -1 531c          | 26 531           | Mm   |
| 38 590           | 16 480           | 35.43    | 25.87    | -18.44   | 31.77      | 1.6974   | -0.846   | 324.5       | -1 543c          | 28 543           |      |
| -1 485c          | 17 485           | 17.96    | 5.4      | -24.84   | 25.42      | 1.2678   | -1.7084  | 282.2       | 11 458           | 32 563           |      |
| -1 490c          | 18 490           | 19.29    | 4.15     | -24.92   | 25.27      | 1.1826   | -1.6177  | 279.4       | 12 460           | 32 564           | min  |
| -1 495c          | 19 495           | 20.86    | 2.64     | -24.79   | 24.93      | 1.094    | -1.5138  | 276.0       | 12 462           | 33 565           |      |
| -1 500c          | 20 500           | 22.71    | 0.89     | -24.47   | 24.49      | 1.0065   | -1.4029  | 272.0       | 12 464           | 33 566           |      |
| -1 509c          | 21 510           | 24.84    | -1.06    | -23.98   | 24.0       | 0.9242   | -1.2908  | 267.4       | 13 466           | 33 567           |      |
| -1 520c          | 24 520           | 33.03    | -7.86    | -21.65   | 23.03      | 0.729    | -0.981   | 250.0       | 14 471           | 34 571           | Bm   |
| -1 529c          | 25 530           | 36.36    | -10.28   | -20.62   | 23.04      | 0.6844   | -0.8928  | 243.4       | 14 473           | 34 573           |      |
| -1 540c          | 28 540           | 47.44    | -16.96   | -17.1    | 24.09      | 0.6096   | -0.6861  | 225.2       | 15 476           | 35 579           |      |
| -1 545c          | 29 545           | 51.34    | -18.8    | -15.83   | 24.58      | 0.601    | -0.634   | 220.1       | 15 477           | 36 581           |      |
| -1 549c          | 29 550           | 51.34    | -18.8    | -15.83   | 24.58      | 0.601    | -0.634   | 220.1       | 15 477           | 36 581           |      |
| -1 555c          | 31 555           | 59.18    | -21.53   | -13.29   | 25.3       | 0.6033   | -0.5502  | 211.6       | 15 479           | 37 587           |      |
| 2 411            | 32 560           | 62.97    | -22.69   | -11.34   | 25.37      | 0.6068   | -0.5058  | 206.5       | 16 480           | 38 591           |      |
| 380              | 770              | 88.58    | 0.0      | 0.0      | 0.01       | 0.9672   | -0.3256  | 0.0         |                  |                  |      |

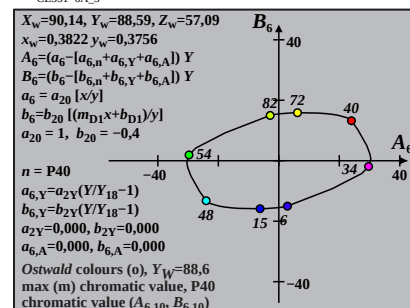
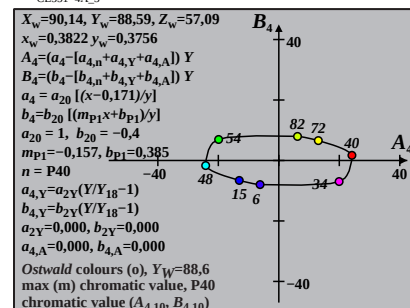
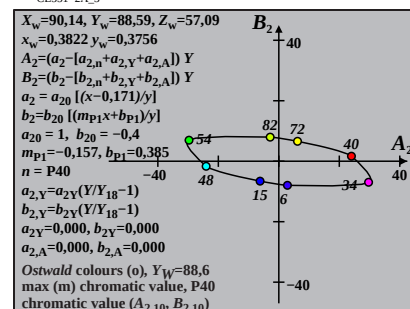
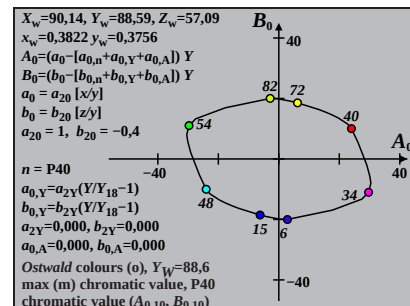
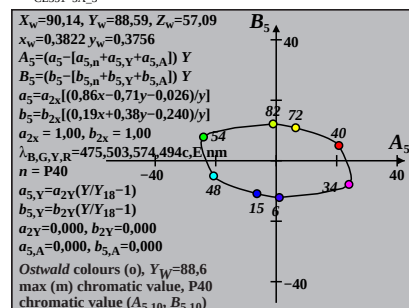
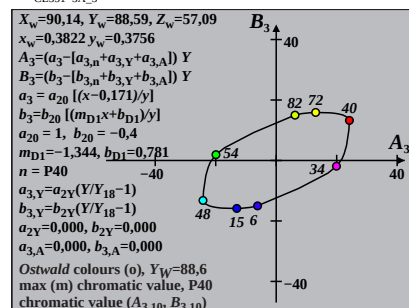
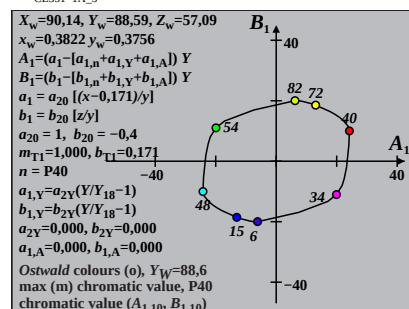
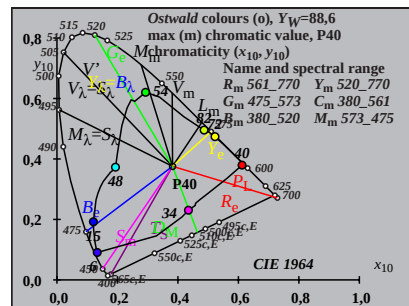
TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant D50; diagram for illuminant D50,  $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m)  $C_{AB,10}$  for P40,  $Y_{w,10}=88,6$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $C_{AB,10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|-------------|----------|----------|-------------|------------------|------------------|------|
| 0 405            | 32 563           | 48.29    | -23.91   | -10.23   | 26.01       | 0.5223   | -0.4697  | 203.1       | 16 481           | 38 591           | Cm   |
| 7 435            | 32 564           | 48.56    | -26.91   | -3.73    | 27.17       | 0.4633   | -0.3347  | 187.9       | 17 487           | -1 487c          |      |
| 10 450           | 33 565           | 48.79    | -29.1    | 2.03     | 29.17       | 0.4209   | -0.216   | 175.9       | 19 495           | -1 495c          |      |
| 12 460           | 33 567           | 49.38    | -30.1    | 5.8      | 30.66       | 0.4078   | -0.1403  | 169.0       | 21 505           | -1 505c          |      |
| 12 465           | 33 568           | 50.64    | -30.23   | 6.12     | 30.84       | 0.4206   | -0.1368  | 168.5       | 21 506           | -1 506c          |      |
| 14 470           | 34 571           | 51.74    | -30.3    | 9.28     | 31.69       | 0.4318   | -0.0784  | 162.9       | 24 521           | -1 521c          |      |
| 15 475           | 35 576           | 54.48    | -29.7    | 11.02    | 31.68       | 0.4722   | -0.0555  | 159.6       | 26 531           | -1 531c          | Gm   |
| 16 480           | 37 585           | 60.22    | -27.45   | 13.29    | 30.5        | 0.5616   | -0.0371  | 154.1       | 28 542           | -1 542c          |      |
| 17 485           | 42 611           | 73.36    | -16.8    | 17.27    | 24.1        | 0.7884   | -0.0223  | 134.2       | 31 558           | -1 558c          |      |
| 17 490           | -1 489c          | 83.41    | -3.97    | 19.86    | 20.25       | 0.9698   | -0.0196  | 101.3       | 33 566           | 11 458           | max  |
| 19 495           | -1 495c          | 80.92    | -1.48    | 19.99    | 20.04       | 0.9991   | -0.0107  | 94.2        | 33 568           | 12 463           |      |
| 20 500           | -1 500c          | 79.31    | 0.11     | 19.82    | 19.82       | 1.0189   | -0.0078  | 89.6        | 33 569           | 13 465           |      |
| 22 510           | -1 510c          | 75.25    | 3.97     | 19.08    | 19.49       | 1.0703   | -0.0041  | 78.2        | 34 571           | 13 469           |      |
| 23 520           | -1 519c          | 72.76    | 6.18     | 18.54    | 19.54       | 1.1024   | -0.0029  | 71.5        | 34 572           | 14 471           | Ym   |
| 25 530           | -1 529c          | 66.96    | 10.84    | 17.17    | 20.3        | 1.1794   | -0.0013  | 57.7        | 35 575           | 14 474           |      |
| 28 540           | -1 540c          | 56.6     | 17.6     | 14.57    | 22.85       | 1.3284   | -0.0002  | 39.6        | 36 581           | 15 477           |      |
| 28 545           | -1 544c          | 56.6     | 17.6     | 14.57    | 22.85       | 1.3284   | -0.0002  | 39.6        | 36 581           | 15 477           |      |
| 30 550           | -1 550c          | 49.03    | 21.23    | 12.63    | 24.71       | 1.4506   | 0.0      | 30.7        | 37 585           | 15 479           |      |
| 31 555           | -1 555c          | 45.14    | 22.62    | 11.63    | 25.43       | 1.5185   | 0.0      | 27.2        | 37 587           | 16 480           |      |
| 31 560           | -1 559c          | 45.14    | 22.62    | 11.63    | 25.43       | 1.5185   | 0.0      | 27.2        | 37 587           | 16 480           |      |
| 32 563           | 0 405            | 51.7     | 23.91    | 10.23    | 26.01       | 1.4799   | -0.0598  | 23.1        | 38 591           | 16 481           | Rm   |
| 32 564           | 7 435            | 51.43    | 26.91    | 3.73     | 27.17       | 1.5408   | -0.1851  | 7.9         | -1 487c          | 17 487           |      |
| 33 565           | 10 450           | 51.2     | 29.1     | -2.03    | 29.17       | 1.5859   | -0.2975  | 355.9       | -1 495c          | 19 495           |      |
| 33 567           | 12 460           | 50.61    | 30.1     | -5.8     | 30.66       | 1.6123   | -0.3723  | 349.0       | -1 505c          | 21 505           |      |
| 33 568           | 12 465           | 49.35    | 30.23    | -6.12    | 30.84       | 1.63     | -0.3819  | 348.5       | -1 506c          | 21 506           |      |
| 34 571           | 14 470           | 48.25    | 30.3     | -9.28    | 31.69       | 1.6454   | -0.4501  | 342.9       | -1 521c          | 24 521           |      |
| 35 576           | 15 475           | 45.51    | 29.7     | -11.02   | 31.68       | 1.6702   | -0.4999  | 339.6       | -1 531c          | 26 531           | Mm   |
| 37 585           | 16 480           | 39.77    | 27.45    | -13.29   | 30.5        | 1.7079   | -0.5919  | 334.1       | -1 542c          | 28 542           |      |
| 42 611           | 17 485           | 26.63    | 16.8     | -17.27   | 24.1        | 1.6486   | -0.9063  | 314.2       | -1 558c          | 31 558           |      |
| -1 489c          | 17 490           | 16.58    | 3.97     | -19.86   | 20.25       | 1.2574   | -1.4553  | 281.3       | 11 458           | 33 566           | min  |
| -1 495c          | 19 495           | 19.07    | 1.48     | -19.99   | 20.04       | 1.0955   | -1.3056  | 274.2       | 12 463           | 33 568           |      |
| -1 500c          | 20 500           | 20.68    | -0.11    | -19.82   | 19.82       | 1.0119   | -1.216   | 269.6       | 13 465           | 33 569           |      |
| -1 510c          | 22 510           | 24.74    | -3.97    | -19.08   | 19.49       | 0.8568   | -1.029   | 258.2       | 13 469           | 34 571           |      |
| -1 519c          | 23 520           | 27.23    | -6.18    | -18.54   | 19.54       | 0.7905   | -0.9386  | 251.5       | 14 471           | 34 572           | Bm   |
| -1 529c          | 25 530           | 33.03    | -10.84   | -17.17   | 20.3        | 0.6892   | -0.7775  | 237.7       | 14 474           | 35 575           |      |
| -1 540c          | 28 540           | 43.39    | -17.6    | -14.57   | 22.85       | 0.6118   | -0.5937  | 219.6       | 15 477           | 36 581           |      |
| -1 544c          | 28 545           | 43.39    | -17.6    | -14.57   | 22.85       | 0.6118   | -0.5937  | 219.6       | 15 477           | 36 581           |      |
| -1 550c          | 30 550           | 50.96    | -21.23   | -12.63   | 24.71       | 0.6007   | -0.5057  | 210.7       | 15 479           | 37 585           |      |
| -1 555c          | 31 555           | 54.85    | -22.62   | -11.63   | 25.43       | 0.6051   | -0.4699  | 207.2       | 16 480           | 37 587           |      |
| -1 559c          | 31 560           | 54.85    | -22.62   | -11.63   | 25.43       | 0.6051   | -0.4699  | 207.2       | 16 480           | 37 587           |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01        | 1.0175   | -0.2577  | 0.0         |                  |                  |      |

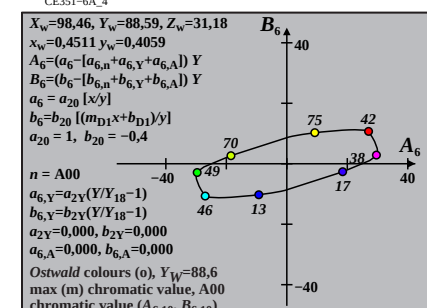
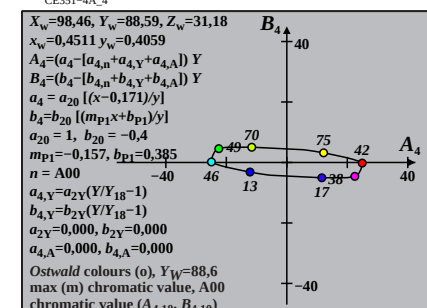
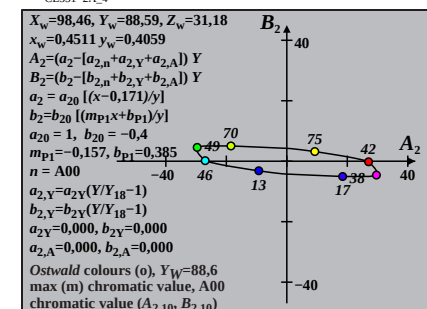
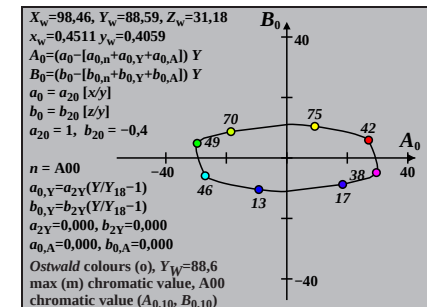
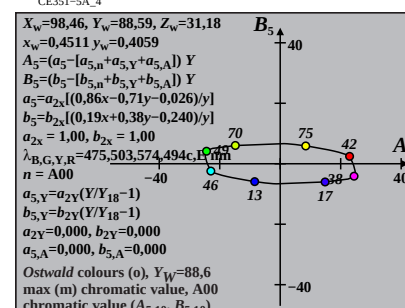
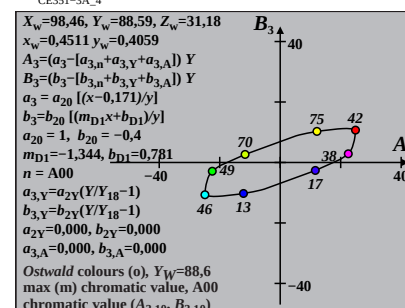
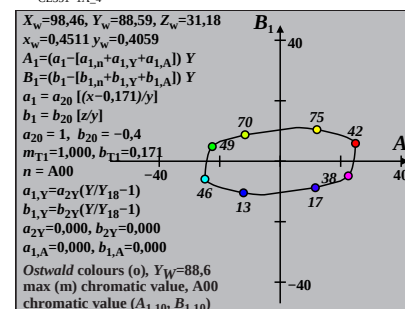
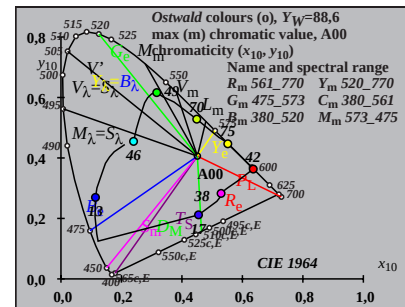
TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant P40; diagram for illuminant P40,  $Y_{w,10}=88,6$





Ostwald optimal colours (o) of maximum (m)  $C_{AB,10}$  for A00,  $Y_{w,10}=88,6$ ,  $Y_m=520_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $C_{AB,10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|-------------|----------|----------|-------------|------------------|------------------|------|
| 1 405            | 34 570           | 46.3     | -27.04   | -5.82    | 27.66       | 0.5273   | -0.2665  | 192.1       | 17 487           | 39 597           | Cm   |
| 7 435            | 34 570           | 46.48    | -28.29   | -2.99    | 28.45       | 0.5027   | -0.2051  | 186.0       | 18 491           | 47 639           |      |
| 9 450            | 34 571           | 46.75    | -29.04   | -1.02    | 29.06       | 0.4903   | -0.1627  | 182.0       | 19 495           | -1 495c          |      |
| 12 460           | 34 572           | 46.95    | -29.87   | 2.08     | 29.95       | 0.4751   | -0.0964  | 176.0       | 21 505           | -1 505c          |      |
| 13 465           | 34 573           | 47.37    | -29.98   | 3.06     | 30.14       | 0.4785   | -0.076   | 174.1       | 22 512           | -1 512c          |      |
| 14 470           | 34 574           | 48.19    | -29.96   | 3.98     | 30.22       | 0.4898   | -0.058   | 172.4       | 24 520           | -1 520c          |      |
| 15 475           | 35 576           | 49.59    | -29.62   | 4.84     | 30.02       | 0.5141   | -0.0432  | 170.7       | 25 528           | -1 528c          | Gm   |
| 16 480           | 36 581           | 52.34    | -28.85   | 5.74     | 29.42       | 0.5602   | -0.031   | 168.7       | 27 537           | -1 537c          |      |
| 17 485           | 37 588           | 57.43    | -26.72   | 6.86     | 27.59       | 0.6461   | -0.0213  | 165.6       | 29 547           | -1 547c          |      |
| 18 490           | 41 609           | 69.96    | -17.63   | 8.93     | 19.76       | 0.8594   | -0.0131  | 153.1       | 32 561           | -1 561c          | max  |
| 19 495           | -1 495c          | 83.69    | 0.62     | 11.1     | 11.12       | 1.1189   | -0.0081  | 86.7        | 34 573           | 13 465           |      |
| 20 500           | -1 500c          | 82.5     | 1.92     | 11.11    | 11.28       | 1.1348   | -0.006   | 80.1        | 34 573           | 13 468           |      |
| 21 510           | -1 509c          | 81.07    | 3.44     | 11.04    | 11.57       | 1.154    | -0.0045  | 72.6        | 34 574           | 14 470           |      |
| 24 520           | -1 520c          | 75.08    | 9.27     | 10.44    | 13.97       | 1.235    | -0.0016  | 48.3        | 35 577           | 15 476           | Ym   |
| 25 530           | -1 529c          | 72.52    | 11.5     | 10.12    | 15.33       | 1.2701   | -0.0011  | 41.3        | 35 578           | 15 477           |      |
| 27 540           | -1 539c          | 66.59    | 16.12    | 9.34     | 18.63       | 1.3535   | -0.0004  | 30.1        | 36 581           | 16 480           |      |
| 29 545           | -1 545c          | 59.77    | 20.54    | 8.41     | 22.19       | 1.4551   | 0.0      | 22.2        | 37 585           | 16 483           |      |
| 30 550           | -1 550c          | 56.1     | 22.5     | 7.89     | 23.85       | 1.5126   | 0.0      | 19.3        | 37 587           | 16 484           |      |
| 31 555           | -1 555c          | 52.29    | 24.21    | 7.36     | 25.31       | 1.5746   | 0.0      | 16.9        | 37 589           | 17 485           |      |
| 32 560           | -1 560c          | 48.36    | 25.6     | 6.81     | 26.49       | 1.6408   | 0.0      | 14.8        | 38 592           | 17 486           |      |
| 34 570           | 1 405            | 53.69    | 27.04    | 5.82     | 27.66       | 1.6151   | -0.0323  | 12.1        | 39 597           | 17 487           | Rm   |
| 34 570           | 7 435            | 53.51    | 28.29    | 2.99     | 28.45       | 1.6401   | -0.0849  | 6.0         | 47 639           | 18 491           |      |
| 34 571           | 9 450            | 53.24    | 29.04    | 1.02     | 29.06       | 1.6569   | -0.1215  | 2.0         | -1 495c          | 19 495           |      |
| 34 572           | 12 460           | 53.04    | 29.87    | -2.08    | 29.95       | 1.6747   | -0.18    | 356.0       | -1 505c          | 21 505           |      |
| 34 573           | 13 465           | 52.62    | 29.98    | -3.06    | 30.14       | 1.6813   | -0.199   | 354.1       | -1 512c          | 22 512           |      |
| 34 574           | 14 470           | 51.8     | 29.96    | -3.98    | 30.22       | 1.6899   | -0.2177  | 352.4       | -1 520c          | 24 520           |      |
| 35 576           | 15 475           | 50.4     | 29.62    | -4.84    | 30.02       | 1.6993   | -0.2368  | 350.7       | -1 528c          | 25 528           | Mm   |
| 36 581           | 16 480           | 47.65    | 28.85    | -5.74    | 29.42       | 1.7171   | -0.2613  | 348.7       | -1 537c          | 27 537           |      |
| 37 588           | 17 485           | 42.56    | 26.72    | -6.86    | 27.59       | 1.7393   | -0.3019  | 345.6       | -1 547c          | 29 547           |      |
| 41 609           | 18 490           | 30.03    | 17.63    | -8.93    | 19.76       | 1.6987   | -0.4383  | 333.1       | -1 561c          | 32 561           | min  |
| -1 495c          | 19 495           | 16.3     | -0.62    | -11.1    | 11.12       | 1.0731   | -0.8218  | 266.7       | 13 465           | 34 573           |      |
| -1 500c          | 20 500           | 17.49    | -1.92    | -11.11   | 11.28       | 1.0015   | -0.7762  | 260.1       | 13 468           | 34 573           |      |
| -1 509c          | 21 510           | 18.92    | -3.44    | -11.04   | 11.57       | 0.9293   | -0.7247  | 252.6       | 14 470           | 34 574           |      |
| -1 520c          | 24 520           | 24.91    | -9.27    | -10.44   | 13.97       | 0.739    | -0.56    | 228.3       | 15 476           | 35 577           | Bm   |
| -1 529c          | 25 530           | 27.47    | -11.5    | -10.12   | 15.33       | 0.6926   | -0.5094  | 221.3       | 15 477           | 35 578           |      |
| -1 539c          | 27 540           | 33.4     | -16.12   | -9.34    | 18.63       | 0.6288   | -0.4207  | 210.1       | 16 480           | 36 581           |      |
| -1 545c          | 29 545           | 40.22    | -20.54   | -8.41    | 22.19       | 0.6007   | -0.3499  | 202.2       | 16 483           | 37 585           |      |
| -1 550c          | 30 550           | 43.89    | -22.5    | -7.89    | 23.85       | 0.5987   | -0.3207  | 199.3       | 16 484           | 37 587           |      |
| -1 555c          | 31 555           | 47.7     | -24.21   | -7.36    | 25.31       | 0.6038   | -0.2951  | 196.9       | 17 485           | 37 589           |      |
| -1 560c          | 32 560           | 51.63    | -25.6    | -6.81    | 26.49       | 0.6155   | -0.2727  | 194.8       | 17 486           | 38 592           |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01        | 1.1115   | -0.1407  | 0.0         |                  |                  |      |

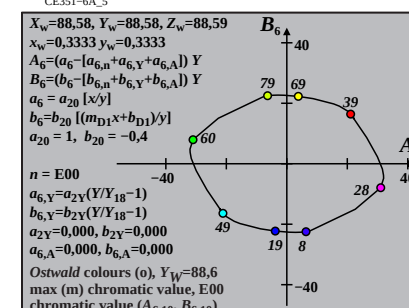
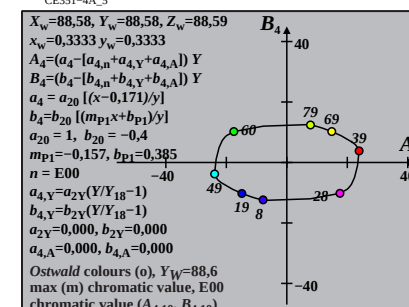
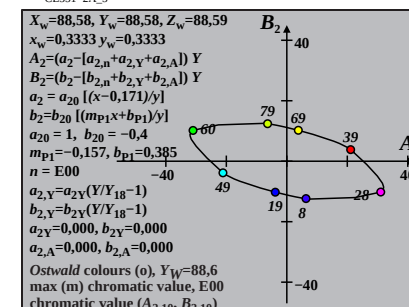
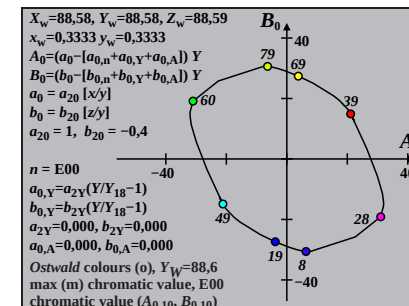
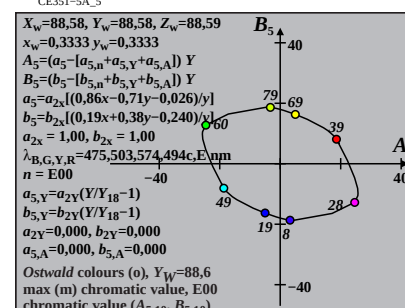
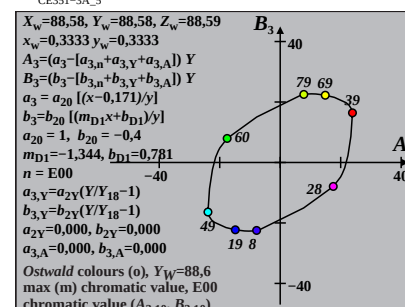
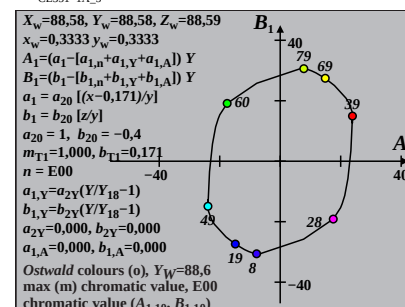
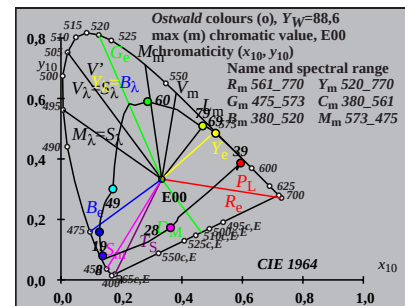


TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant A00; diagram for illuminant A00,  $Y_{w,10}=88,6$

Ostwald optimal colours (o) of maximum (m)  $CAB_{10}$  for E00,  $Y_{w,10}=88,6$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $CAB_{10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|------------|----------|----------|-------------|------------------|------------------|------|
| 1 405            | 31 559           | 49.32    | -21.13   | -14.91   | 25.86      | 0.5714   | -0.7023  | 215.2       | 15 477           | 37 589           | Cm   |
| 7 435            | 32 561           | 49.67    | -26.4    | -3.46    | 26.63      | 0.4683   | -0.4698  | 187.4       | 16 484           | -1 484c          |      |
| 10 450           | 32 562           | 49.98    | -29.95   | 5.7      | 30.49      | 0.4005   | -0.2859  | 169.2       | 18 493           | -1 493c          |      |
| 12 460           | 33 565           | 50.94    | -31.6    | 11.35    | 33.58      | 0.3794   | -0.177   | 160.2       | 21 506           | -1 506c          |      |
| 13 465           | 33 568           | 52.23    | -31.97   | 14.05    | 34.92      | 0.3878   | -0.1308  | 156.2       | 23 515           | -1 515c          |      |
| 13 470           | 34 572           | 55.57    | -32.01   | 15.39    | 35.52      | 0.4237   | -0.123   | 154.3       | 24 520           | -1 520c          |      |
| 14 475           | 36 581           | 60.42    | -31.03   | 19.11    | 36.44      | 0.4863   | -0.0836  | 148.3       | 26 532           | -1 532c          | Gm   |
| 16 480           | 40 604           | 71.12    | -22.64   | 25.78    | 34.31      | 0.6815   | -0.0374  | 131.2       | 30 551           | -1 551c          |      |
| 17 485           | -1 485c          | 81.33    | -7.7     | 30.62    | 31.57      | 0.9052   | -0.0235  | 104.1       | 32 564           | 11 456           |      |
| 18 490           | -1 490c          | 79.94    | -6.34    | 30.6     | 31.25      | 0.9204   | -0.0171  | 101.7       | 32 564           | 11 458           | max  |
| 19 495           | -1 495c          | 78.31    | -4.74    | 30.35    | 30.72      | 0.9393   | -0.0124  | 98.8        | 33 565           | 12 460           |      |
| 20 500           | -1 500c          | 76.43    | -2.89    | 29.88    | 30.02      | 0.962    | -0.009   | 95.5        | 33 566           | 12 462           |      |
| 22 510           | -1 510c          | 71.82    | 1.41     | 28.39    | 28.42      | 1.0195   | -0.0047  | 87.1        | 33 569           | 13 466           | Ym   |
| 23 520           | -1 519c          | 69.07    | 3.8      | 27.4     | 27.66      | 1.0549   | -0.0033  | 82.1        | 34 570           | 13 468           |      |
| 25 530           | -1 529c          | 62.84    | 8.7      | 25.04    | 26.51      | 1.1384   | -0.0015  | 70.8        | 34 573           | 14 470           |      |
| 27 540           | -1 539c          | 55.84    | 13.38    | 22.3     | 26.01      | 1.2395   | -0.0005  | 59.0        | 35 577           | 14 473           |      |
| 29 545           | -1 545c          | 48.4     | 17.38    | 19.35    | 26.01      | 1.359    | 0.0      | 48.0        | 36 582           | 15 475           |      |
| 29 550           | -1 549c          | 48.4     | 17.38    | 19.35    | 26.01      | 1.359    | 0.0      | 48.0        | 36 582           | 15 475           |      |
| 31 555           | -1 555c          | 40.83    | 20.26    | 16.33    | 26.03      | 1.4962   | 0.0      | 38.8        | 37 587           | 15 476           |      |
| 32 560           | 3 415            | 37.2     | 22.29    | 12.58    | 25.6       | 1.5991   | -0.0619  | 29.4        | 39 595           | 15 478           |      |
| 31 559           | 1 405            | 50.67    | 21.13    | 14.91    | 25.86      | 1.4169   | -0.1057  | 35.2        | 37 589           | 15 477           | Rm   |
| 32 561           | 7 435            | 50.32    | 26.4     | 3.46     | 26.63      | 1.5247   | -0.3311  | 7.4         | -1 484c          | 16 484           |      |
| 32 562           | 10 450           | 50.01    | 29.95    | -5.7     | 30.49      | 1.5988   | -0.514   | 349.2       | -1 493c          | 18 493           |      |
| 33 565           | 12 460           | 49.05    | 31.6     | -11.35   | 33.58      | 1.6441   | -0.6315  | 340.2       | -1 506c          | 21 506           |      |
| 33 568           | 13 465           | 47.76    | 31.97    | -14.05   | 34.92      | 1.6693   | -0.6944  | 336.2       | -1 515c          | 23 515           |      |
| 34 572           | 13 470           | 44.42    | 32.01    | -15.39   | 35.52      | 1.7204   | -0.7464  | 334.3       | -1 520c          | 24 520           |      |
| 36 581           | 14 475           | 39.57    | 31.03    | -19.11   | 36.44      | 1.784    | -0.8831  | 328.3       | -1 532c          | 26 532           | Mm   |
| 40 604           | 16 480           | 28.87    | 22.64    | -25.78   | 34.31      | 1.7839   | -1.2929  | 311.2       | -1 551c          | 30 551           |      |
| -1 485c          | 17 485           | 18.66    | 7.7      | -30.62   | 31.57      | 1.4126   | -2.0409  | 284.1       | 11 456           | 32 564           |      |
| -1 490c          | 18 490           | 20.05    | 6.34     | -30.6    | 31.25      | 1.3164   | -1.9262  | 281.7       | 11 458           | 32 564           | min  |
| -1 495c          | 19 495           | 21.68    | 4.74     | -30.35   | 30.72      | 1.2185   | -1.8     | 278.8       | 12 460           | 33 565           |      |
| -1 500c          | 20 500           | 23.56    | 2.89     | -29.88   | 30.02      | 1.1226   | -1.6683  | 275.5       | 12 462           | 33 566           |      |
| -1 510c          | 22 510           | 28.17    | -1.41    | -28.39   | 28.42      | 0.9497   | -1.4076  | 267.1       | 13 466           | 33 569           |      |
| -1 519c          | 23 520           | 30.92    | -3.8     | -27.4    | 27.66      | 0.8769   | -1.2861  | 262.1       | 13 468           | 34 570           | Bm   |
| -1 529c          | 25 530           | 37.15    | -8.7     | -25.04   | 26.51      | 0.7656   | -1.0739  | 250.8       | 14 470           | 34 573           |      |
| -1 539c          | 27 540           | 44.15    | -13.38   | -22.3    | 26.01      | 0.6968   | -0.9052  | 239.0       | 14 473           | 35 577           |      |
| -1 545c          | 29 545           | 51.59    | -17.38   | -19.35   | 26.01      | 0.6629   | -0.7752  | 228.0       | 15 475           | 36 582           |      |
| -1 549c          | 29 550           | 51.59    | -17.38   | -19.35   | 26.01      | 0.6629   | -0.7752  | 228.0       | 15 475           | 36 582           |      |
| -1 555c          | 31 555           | 59.16    | -20.26   | -16.33   | 26.03      | 0.6573   | -0.6761  | 218.8       | 15 476           | 37 587           |      |
| 3 415            | 32 560           | 62.79    | -22.29   | -12.58   | 25.6       | 0.6448   | -0.6003  | 209.4       | 15 478           | 39 595           |      |
| 380              | 770              | 88.58    | 0.0      | 0.0      | 0.01       | 0.9999   | -0.4     | 0.0         |                  |                  |      |

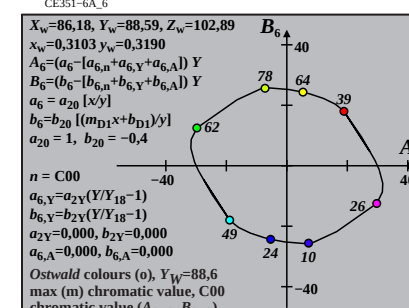
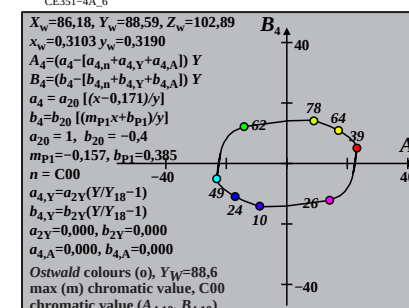
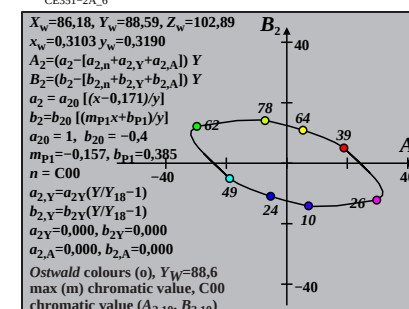
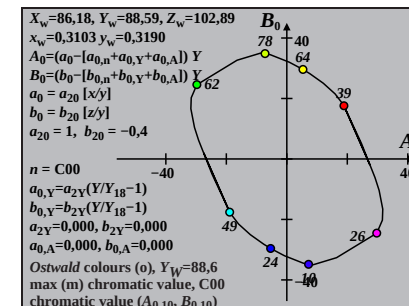
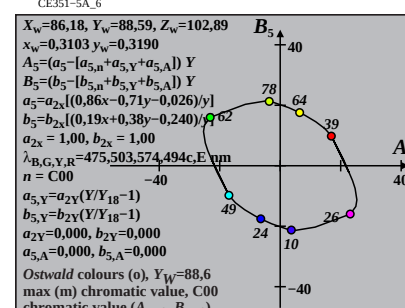
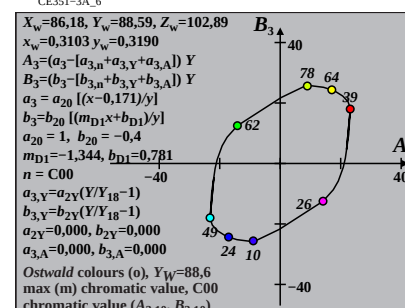
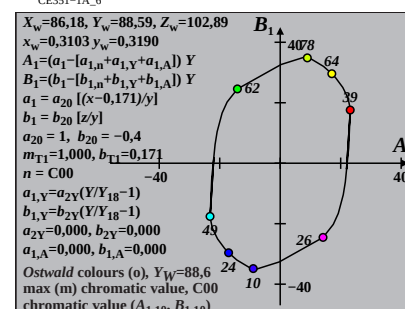
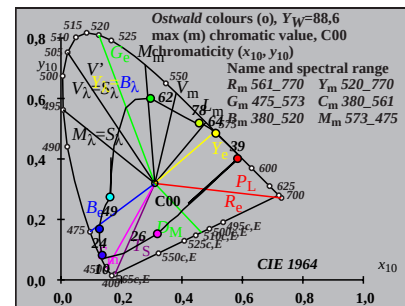
TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant E00; diagram for illuminant E00,  $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m)  $C_{AB,10}$  for C00,  $Y_{w,10}=88,6$ ,  $Y_m=520,770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $C_{AB,10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|-------------|----------|----------|-------------|------------------|------------------|------|
| 1 405            | 31 556           | 49.5     | -18.88   | -17.58   | 25.8        | 0.5914   | -0.8198  | 222.9       | 15 475           | 37 586           | Cm   |
| 6 435            | 31 558           | 50.35    | -23.27   | -8.35    | 24.72       | 0.5106   | -0.6304  | 199.7       | 16 480           | 44 623           |      |
| 9 450            | 32 560           | 50.96    | -27.95   | 2.77     | 28.08       | 0.4244   | -0.4102  | 174.3       | 17 487           | -1 487c          |      |
| 12 460           | 32 563           | 51.67    | -31.19   | 13.19    | 33.86       | 0.3692   | -0.2092  | 157.0       | 20 504           | -1 504c          |      |
| 12 465           | 33 566           | 54.03    | -31.45   | 14.29    | 34.54       | 0.3908   | -0.2001  | 155.5       | 21 507           | -1 507c          |      |
| 13 470           | 34 572           | 57.3     | -31.76   | 18.48    | 36.75       | 0.4185   | -0.1419  | 149.8       | 24 520           | -1 520c          |      |
| 14 475           | 36 582           | 63.12    | -30.31   | 23.38    | 38.28       | 0.4925   | -0.0941  | 142.3       | 26 533           | -1 533c          | Gm   |
| 16 480           | 44 622           | 76.76    | -16.45   | 32.65    | 36.56       | 0.7584   | -0.0391  | 116.7       | 31 556           | 0 403            |      |
| 17 485           | -1 485c          | 79.83    | -8.74    | 34.98    | 36.06       | 0.8633   | -0.0263  | 104.0       | 32 562           | 11 456           |      |
| 18 490           | -1 490c          | 78.19    | -7.19    | 34.86    | 35.6        | 0.8809   | -0.0186  | 101.6       | 32 563           | 11 459           | max  |
| 19 495           | -1 495c          | 76.34    | -5.41    | 34.46    | 34.88       | 0.9019   | -0.0131  | 98.9        | 32 564           | 12 461           |      |
| 20 500           | -1 500c          | 74.3     | -3.46    | 33.82    | 34.0        | 0.9262   | -0.0093  | 95.8        | 33 565           | 12 463           |      |
| 22 510           | -1 510c          | 69.61    | 0.78     | 32.0     | 32.01       | 0.9842   | -0.0047  | 88.5        | 33 567           | 13 466           |      |
| 24 520           | -1 520c          | 64.04    | 5.32     | 29.6     | 30.08       | 1.0559   | -0.0023  | 79.8        | 34 570           | 13 468           | Ym   |
| 26 530           | -1 530c          | 57.57    | 9.86     | 26.68    | 28.45       | 1.1441   | -0.0009  | 69.7        | 34 574           | 14 471           |      |
| 28 540           | -1 540c          | 50.2     | 14.12    | 23.3     | 27.25       | 1.2541   | -0.0002  | 58.7        | 35 578           | 14 473           |      |
| 28 545           | -1 544c          | 50.2     | 14.12    | 23.3     | 27.25       | 1.2541   | -0.0002  | 58.7        | 35 578           | 14 473           |      |
| 29 550           | -1 549c          | 46.31    | 15.97    | 21.51    | 26.79       | 1.3177   | -0.0001  | 53.4        | 36 580           | 14 474           |      |
| 31 555           | -1 555c          | 38.38    | 18.77    | 17.83    | 25.89       | 1.462    | 0.0      | 43.5        | 37 585           | 15 475           |      |
| 31 560           | 9 447            | 39.93    | 27.47    | -1.97    | 27.54       | 1.6609   | -0.5141  | 355.8       | -1 487c          | 17 487           |      |
| 31 556           | 1 405            | 50.49    | 18.88    | 17.58    | 25.8        | 1.3468   | -0.1162  | 42.9        | 37 586           | 15 475           | Rm   |
| 31 558           | 6 435            | 49.64    | 23.27    | 8.35     | 24.72       | 1.4417   | -0.2962  | 19.7        | 44 623           | 16 480           |      |
| 32 560           | 9 450            | 49.03    | 27.95    | -2.77    | 28.08       | 1.5429   | -0.521   | 354.3       | -1 487c          | 17 487           |      |
| 32 563           | 12 460           | 48.32    | 31.19    | -13.19   | 33.86       | 1.6182   | -0.7375  | 337.0       | -1 504c          | 20 504           |      |
| 33 566           | 12 465           | 45.96    | 31.44    | -14.29   | 34.54       | 1.6571   | -0.7755  | 335.5       | -1 507c          | 21 507           |      |
| 34 572           | 13 470           | 42.69    | 31.76    | -18.48   | 36.75       | 1.7168   | -0.8975  | 329.8       | -1 520c          | 24 520           |      |
| 36 582           | 14 475           | 36.87    | 30.31    | -23.38   | 38.28       | 1.795    | -1.0986  | 322.3       | -1 533c          | 26 533           | Mm   |
| 44 622           | 16 480           | 23.23    | 16.45    | -32.65   | 36.56       | 1.681    | -1.8698  | 296.7       | 0 403            | 31 556           |      |
| -1 485c          | 17 485           | 20.16    | 8.74     | -34.98   | 36.06       | 1.4062   | -2.1995  | 284.0       | 11 456           | 32 562           |      |
| -1 490c          | 18 490           | 21.8     | 7.18     | -34.86   | 35.6        | 1.3025   | -2.0633  | 281.6       | 11 459           | 32 563           | min  |
| -1 495c          | 19 495           | 23.65    | 5.41     | -34.46   | 34.88       | 1.2017   | -1.9215  | 278.9       | 12 461           | 32 564           |      |
| -1 500c          | 20 500           | 25.69    | 3.46     | -33.82   | 34.0        | 1.1076   | -1.7807  | 275.8       | 12 463           | 33 565           |      |
| -1 510c          | 22 510           | 30.38    | -0.78    | -32.0    | 32.01       | 0.9468   | -1.5179  | 268.5       | 13 466           | 33 567           |      |
| -1 520c          | 24 520           | 35.95    | -5.32    | -29.6    | 30.08       | 0.8248   | -1.288   | 259.8       | 13 468           | 34 570           | Bm   |
| -1 530c          | 26 530           | 42.42    | -9.86    | -26.68   | 28.45       | 0.7404   | -1.0936  | 249.7       | 14 471           | 34 574           |      |
| -1 540c          | 28 540           | 49.79    | -14.12   | -23.3    | 27.25       | 0.6892   | -0.9326  | 238.7       | 14 473           | 35 578           |      |
| -1 544c          | 28 545           | 49.79    | -14.12   | -23.3    | 27.25       | 0.6892   | -0.9326  | 238.7       | 14 473           | 35 578           |      |
| -1 549c          | 29 550           | 53.68    | -15.97   | -21.51   | 26.79       | 0.6753   | -0.8652  | 233.4       | 14 474           | 36 580           |      |
| -1 555c          | 31 555           | 61.61    | -18.77   | -17.83   | 25.89       | 0.668    | -0.7539  | 223.5       | 15 475           | 37 585           |      |
| 9 447            | 31 560           | 60.06    | -27.47   | 1.97     | 27.54       | 0.5154   | -0.4316  | 175.8       | 17 487           | -1 487c          |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01        | 0.9728   | -0.4645  | 0.0         |                  |                  |      |

TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant C00; diagram for illuminant C00,  $Y_{w,10}=88,6$

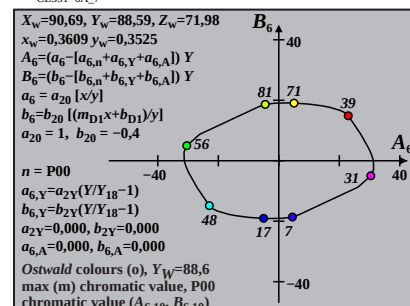
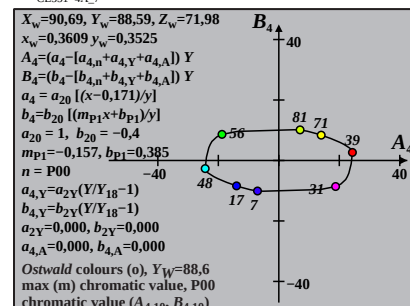
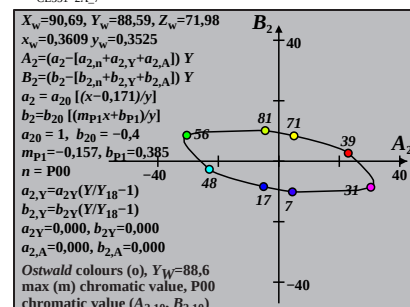
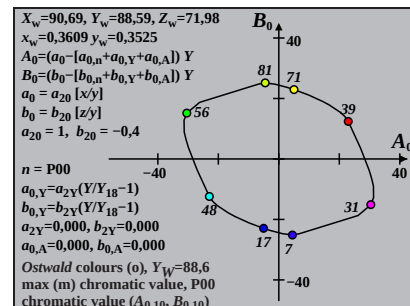
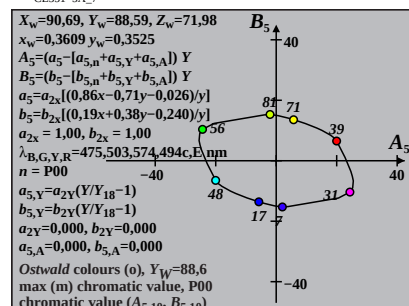
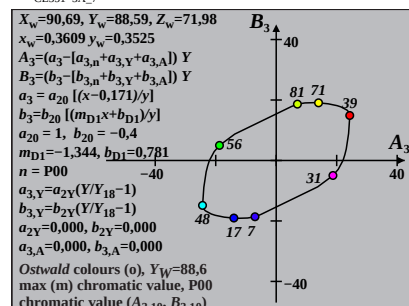
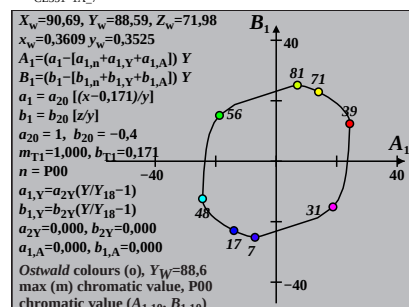
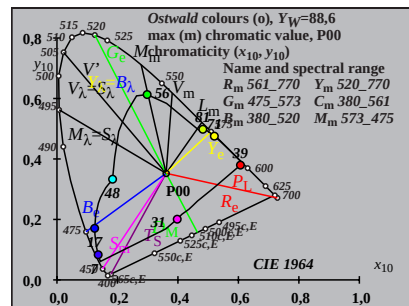




Ostwald optimal colours (o) of maximum (m)  $C_{AB,10}$  for P00,  $Y_{w,10}=88,6$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $C_{AB,10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|-------------|----------|----------|-------------|------------------|------------------|------|
| 0 405            | 32 562           | 48.64    | -22.8    | -12.73   | 26.11       | 0.5548   | -0.5867  | 209.1       | 15 479           | 38 591           | Cm   |
| 7 435            | 32 563           | 48.91    | -27.02   | -3.58    | 27.26       | 0.4712   | -0.3982  | 187.5       | 17 485           | -1 485c          |      |
| 9 450            | 32 564           | 49.48    | -29.1    | 1.48     | 29.13       | 0.4356   | -0.295   | 177.0       | 18 491           | -1 491c          |      |
| 12 460           | 33 567           | 49.93    | -31.12   | 8.41     | 32.23       | 0.4005   | -0.1565  | 164.8       | 21 506           | -1 506c          |      |
| 13 465           | 33 569           | 50.97    | -31.45   | 10.58    | 33.18       | 0.4067   | -0.1172  | 161.3       | 22 514           | -1 514c          |      |
| 13 470           | 34 572           | 53.65    | -31.48   | 11.46    | 33.5        | 0.437    | -0.1114  | 159.9       | 23 518           | -1 518c          |      |
| 15 475           | 35 579           | 56.67    | -30.45   | 15.13    | 34.0        | 0.4865   | -0.0579  | 153.5       | 26 534           | -1 534c          | Gm   |
| 16 480           | 38 593           | 64.97    | -26.18   | 18.71    | 32.19       | 0.6206   | -0.0369  | 144.4       | 29 547           | -1 547c          |      |
| 17 485           | -1 485c          | 82.48    | -5.72    | 25.06    | 25.71       | 0.9543   | -0.0211  | 102.8       | 33 566           | 11 457           |      |
| 17 490           | -1 489c          | 82.48    | -5.72    | 25.06    | 25.71       | 0.9543   | -0.0211  | 102.8       | 33 566           | 11 457           | max  |
| 19 495           | -1 495c          | 79.78    | -3.01    | 25.02    | 25.2        | 0.9859   | -0.0113  | 96.8        | 33 567           | 12 461           |      |
| 19 500           | -1 499c          | 79.78    | -3.01    | 25.02    | 25.2        | 0.9859   | -0.0113  | 96.8        | 33 567           | 12 461           |      |
| 22 510           | -1 510c          | 73.83    | 2.75     | 23.67    | 23.83       | 1.0611   | -0.0043  | 83.3        | 34 570           | 13 467           |      |
| 23 520           | -1 519c          | 71.27    | 5.04     | 22.94    | 23.49       | 1.0945   | -0.003   | 77.5        | 34 572           | 13 469           | Ym   |
| 26 530           | -1 530c          | 62.09    | 12.2     | 20.12    | 23.53       | 1.2202   | -0.0008  | 58.7        | 35 577           | 14 473           |      |
| 28 540           | -1 540c          | 55.01    | 16.65    | 17.86    | 24.42       | 1.3264   | -0.0002  | 47.0        | 36 580           | 15 475           |      |
| 28 545           | -1 544c          | 55.01    | 16.65    | 17.86    | 24.42       | 1.3264   | -0.0002  | 47.0        | 36 580           | 15 475           |      |
| 29 550           | -1 549c          | 51.31    | 18.6     | 16.67    | 24.98       | 1.3862   | 0.0      | 41.8        | 36 583           | 15 476           |      |
| 31 555           | -1 555c          | 43.74    | 21.66    | 14.21    | 25.91       | 1.5189   | 0.0      | 33.2        | 37 587           | 15 478           |      |
| 32 560           | -1 560c          | 39.93    | 22.67    | 12.97    | 26.13       | 1.5916   | 0.0      | 29.7        | 38 590           | 15 479           |      |
| 32 562           | 0 405            | 51.35    | 22.8     | 12.73    | 26.11       | 1.4677   | -0.0771  | 29.1        | 38 591           | 15 479           | Rm   |
| 32 563           | 7 435            | 51.08    | 27.02    | 3.58     | 27.26       | 1.5528   | -0.2548  | 7.5         | -1 485c          | 17 485           |      |
| 32 564           | 9 450            | 50.51    | 29.1     | -1.48    | 29.13       | 1.5998   | -0.3543  | 357.0       | -1 491c          | 18 491           |      |
| 33 567           | 12 460           | 50.06    | 31.12    | -8.41    | 32.23       | 1.6454   | -0.493   | 344.8       | -1 506c          | 21 506           |      |
| 33 569           | 13 465           | 49.02    | 31.45    | -10.58   | 33.18       | 1.6653   | -0.541   | 341.3       | -1 514c          | 22 514           |      |
| 34 572           | 13 470           | 46.34    | 31.48    | -11.46   | 33.5        | 1.703    | -0.5723  | 339.9       | -1 518c          | 23 518           |      |
| 35 579           | 15 475           | 43.32    | 30.45    | -15.13   | 34.0        | 1.7266   | -0.6744  | 333.5       | -1 534c          | 26 534           | Mm   |
| 38 593           | 16 480           | 35.02    | 26.18    | -18.71   | 32.19       | 1.7714   | -0.8593  | 324.4       | -1 547c          | 29 547           |      |
| -1 485c          | 17 485           | 17.51    | 5.72     | -25.06   | 25.71       | 1.3505   | -1.756   | 282.8       | 11 457           | 33 566           |      |
| -1 489c          | 17 490           | 17.51    | 5.72     | -25.06   | 25.71       | 1.3505   | -1.756   | 282.8       | 11 457           | 33 566           | min  |
| -1 495c          | 19 495           | 20.21    | 3.01     | -25.02   | 25.2        | 1.1729   | -1.5632  | 276.8       | 12 461           | 33 567           |      |
| -1 499c          | 19 500           | 20.21    | 3.01     | -25.02   | 25.2        | 1.1729   | -1.5632  | 276.8       | 12 461           | 33 567           |      |
| -1 510c          | 22 510           | 26.16    | -2.76    | -23.67   | 23.83       | 0.9182   | -1.23    | 263.3       | 13 467           | 34 570           |      |
| -1 519c          | 23 520           | 28.72    | -5.04    | -22.94   | 23.49       | 0.8479   | -1.1237  | 257.5       | 13 469           | 34 572           | Bm   |
| -1 530c          | 26 530           | 37.9     | -12.2    | -20.12   | 23.53       | 0.7018   | -0.8559  | 238.7       | 14 473           | 35 577           |      |
| -1 540c          | 28 540           | 44.98    | -16.65   | -17.86   | 24.42       | 0.6535   | -0.7222  | 227.0       | 15 475           | 36 580           |      |
| -1 544c          | 28 545           | 44.98    | -16.65   | -17.86   | 24.42       | 0.6535   | -0.7222  | 227.0       | 15 475           | 36 580           |      |
| -1 549c          | 29 550           | 48.68    | -18.6    | -16.67   | 24.98       | 0.6416   | -0.6675  | 221.8       | 15 476           | 36 583           |      |
| -1 555c          | 31 555           | 56.25    | -21.66   | -14.21   | 25.91       | 0.6386   | -0.5777  | 213.2       | 15 478           | 37 587           |      |
| -1 560c          | 32 560           | 60.06    | -22.68   | -12.97   | 26.13       | 0.6461   | -0.5411  | 209.7       | 15 479           | 38 590           |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01        | 1.0237   | -0.325   | 0.0         |                  |                  |      |

TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant P00; diagram for illuminant P00,  $Y_{w,10}=88,6$



Ostwald optimal colours (o) of maximum (m)  $C_{AB,10}$  for Q00,  $Y_{w,10}=88,6$ ,  $Y_m=520,770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $Y_{10}$ | $A_{10}$ | $B_{10}$ | $C_{AB,10}$ | $a_{10}$ | $b_{10}$ | $h_{AB,10}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|----------|----------|----------|-------------|----------|----------|-------------|------------------|------------------|------|
| 1 405            | 31 556           | 49.88    | -19.08   | -17.32   | 25.77       | 0.594    | -0.821   | 222.2       | 15 475           | 37 587           | Cm   |
| 7 435            | 31 558           | 50.34    | -25.63   | -3.27    | 25.84       | 0.4674   | -0.5388  | 187.2       | 16 482           | -1 482c          |      |
| 10 450           | 32 560           | 50.73    | -29.97   | 7.66     | 30.94       | 0.3856   | -0.3225  | 165.6       | 18 493           | -1 493c          |      |
| 12 460           | 32 563           | 51.88    | -31.91   | 14.37    | 35.0        | 0.3613   | -0.1966  | 155.7       | 21 506           | -1 506c          |      |
| 13 465           | 33 566           | 53.44    | -32.42   | 17.63    | 36.91       | 0.3697   | -0.1437  | 151.4       | 23 515           | -1 515c          |      |
| 13 470           | 34 572           | 57.44    | -32.45   | 19.53    | 37.87       | 0.4115   | -0.1337  | 148.9       | 24 520           | -1 520c          |      |
| 15 475           | 36 583           | 62.39    | -30.39   | 25.47    | 39.66       | 0.4892   | -0.0654  | 140.0       | 27 536           | -1 536c          | Gm   |
| 15 480           | 45 629           | 79.6     | -16.38   | 33.62    | 37.4        | 0.7706   | -0.0512  | 115.9       | 31 556           | 2 413            |      |
| 17 485           | -1 485c          | 80.21    | -9.69    | 35.9     | 37.19       | 0.8556   | -0.026   | 105.1       | 32 561           | 11 455           |      |
| 17 490           | -1 489c          | 80.21    | -9.69    | 35.9     | 37.19       | 0.8556   | -0.026   | 105.1       | 32 561           | 11 455           | max  |
| 18 495           | -1 494c          | 78.66    | -8.23    | 35.77    | 36.71       | 0.8718   | -0.0189  | 102.9       | 32 562           | 11 458           |      |
| 19 500           | -1 499c          | 76.87    | -6.5     | 35.36    | 35.95       | 0.8919   | -0.0136  | 100.4       | 32 563           | 12 460           |      |
| 21 510           | -1 509c          | 72.48    | -2.35    | 33.81    | 33.9        | 0.944    | -0.007   | 93.9        | 33 566           | 12 464           |      |
| 24 520           | -1 520c          | 63.73    | 4.99     | 30.03    | 30.44       | 1.0549   | -0.0024  | 80.5        | 34 570           | 13 468           | Ym   |
| 26 530           | -1 530c          | 56.8     | 9.88     | 26.85    | 28.61       | 1.1505   | -0.001   | 69.7        | 34 574           | 14 471           |      |
| 27 540           | -1 539c          | 53.11    | 12.15    | 25.12    | 27.91       | 1.2053   | -0.0005  | 64.1        | 35 576           | 14 472           |      |
| 29 545           | -1 545c          | 45.54    | 16.05    | 21.57    | 26.88       | 1.3289   | -0.0001  | 53.3        | 36 581           | 14 474           |      |
| 30 550           | -1 550c          | 41.75    | 17.57    | 19.77    | 26.45       | 1.3974   | 0.0      | 48.3        | 36 583           | 15 475           |      |
| 30 555           | -1 554c          | 41.75    | 17.57    | 19.77    | 26.45       | 1.3974   | 0.0      | 48.3        | 36 583           | 15 475           |      |
| 31 560           | 9 447            | 39.61    | 28.31    | -3.53    | 28.53       | 1.6912   | -0.5628  | 352.8       | -1 488c          | 17 488           |      |
| 31 556           | 1 405            | 50.11    | 19.08    | 17.32    | 25.77       | 1.3572   | -0.1279  | 42.2        | 37 587           | 15 475           | Rm   |
| 31 558           | 7 435            | 49.65    | 25.63    | 3.27     | 25.84       | 1.4927   | -0.4076  | 7.2         | -1 482c          | 16 482           |      |
| 32 560           | 10 450           | 49.26    | 29.97    | -7.66    | 30.94       | 1.5849   | -0.6293  | 345.6       | -1 493c          | 18 493           |      |
| 32 563           | 12 460           | 48.11    | 31.91    | -14.37   | 35.0        | 1.6397   | -0.7724  | 335.7       | -1 506c          | 21 506           |      |
| 33 566           | 13 465           | 46.55    | 32.42    | -17.63   | 36.91       | 1.6731   | -0.8525  | 331.4       | -1 515c          | 23 515           |      |
| 34 572           | 13 470           | 42.55    | 32.45    | -19.53   | 37.87       | 1.739    | -0.9326  | 328.9       | -1 520c          | 24 520           |      |
| 36 583           | 15 475           | 37.6     | 30.39    | -25.47   | 39.66       | 1.7847   | -1.151   | 320.0       | -1 536c          | 27 536           | Mm   |
| 45 629           | 15 480           | 20.39    | 16.38    | -33.62   | 37.4        | 1.78     | -2.1223  | 295.9       | 2 413            | 31 556           |      |
| -1 485c          | 17 485           | 19.78    | 9.69     | -35.9    | 37.19       | 1.4666   | -2.2886  | 285.1       | 11 455           | 32 561           |      |
| -1 489c          | 17 490           | 19.78    | 9.69     | -35.9    | 37.19       | 1.4666   | -2.2886  | 285.1       | 11 455           | 32 561           | min  |
| -1 494c          | 18 495           | 21.33    | 8.23     | -35.77   | 36.71       | 1.3623   | -2.1509  | 282.9       | 11 458           | 32 562           |      |
| -1 499c          | 19 500           | 23.12    | 6.5      | -35.36   | 35.95       | 1.2577   | -2.0032  | 280.4       | 12 460           | 32 563           |      |
| -1 509c          | 21 510           | 27.51    | 2.35     | -33.81   | 33.9        | 1.062    | -1.7026  | 273.9       | 12 464           | 33 566           |      |
| -1 520c          | 24 520           | 36.26    | -4.99    | -30.03   | 30.44       | 0.8386   | -1.3018  | 260.5       | 13 468           | 34 570           | Bm   |
| -1 530c          | 26 530           | 43.19    | -9.88    | -26.85   | 28.61       | 0.7476   | -1.0952  | 249.7       | 14 471           | 34 574           |      |
| -1 539c          | 27 540           | 46.88    | -12.15   | -25.12   | 27.91       | 0.7172   | -1.0096  | 244.1       | 14 472           | 35 576           |      |
| -1 545c          | 29 545           | 54.45    | -16.05   | -21.57   | 26.88       | 0.6817   | -0.8698  | 233.3       | 14 474           | 36 581           |      |
| -1 550c          | 30 550           | 58.24    | -17.57   | -19.77   | 26.45       | 0.6747   | -0.8132  | 228.3       | 15 475           | 36 583           |      |
| -1 554c          | 30 555           | 58.24    | -17.57   | -19.77   | 26.45       | 0.6747   | -0.8132  | 228.3       | 15 475           | 36 583           |      |
| 9 447            | 31 560           | 60.38    | -28.31   | 3.53     | 28.53       | 0.5075   | -0.4151  | 172.8       | 17 488           | -1 488c          |      |
| 380              | 770              | 88.59    | 0.0      | 0.0      | 0.01        | 0.9764   | -0.4736  | 0.0         |                  |                  |      |

TUB-test chart CE35; CIE ( $x_{10}, y_{10}$ ) and chromatic values ( $A_{i,10}, B_{i,10}$ ) input: w/rgb/cmyk -> rgb  
Ostwald optimal colours for illuminant Q00; diagram for illuminant Q00,  $Y_{w,10}=88,6$

