

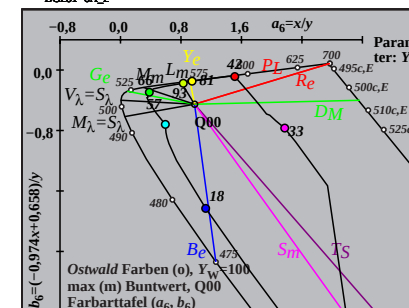
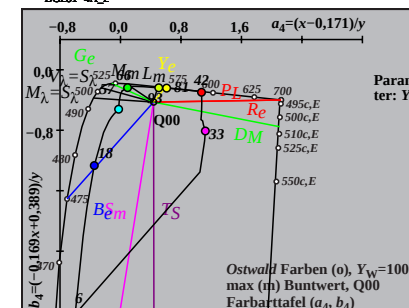
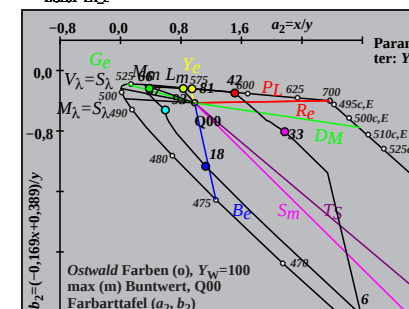
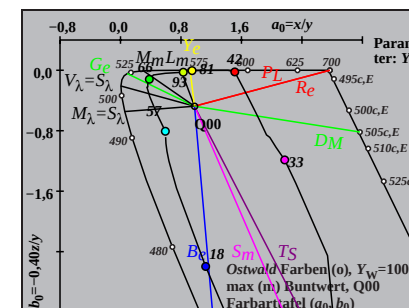
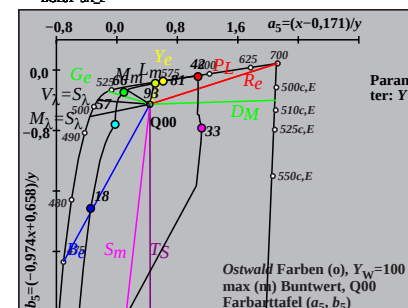
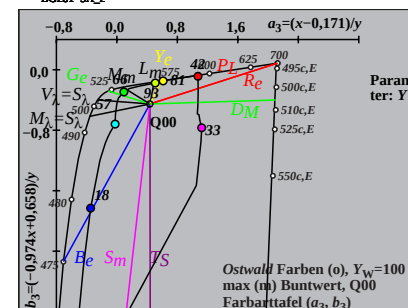
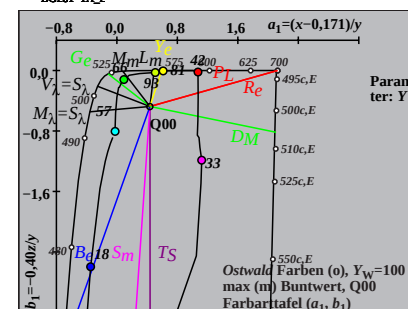
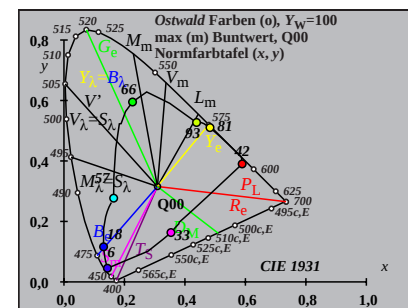


**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für D50,  $Y_W=100$ ,  $Y_m=520,770$**

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code           |     |
|------------------|------------------|-------|-------|-------|--------|--------|--------|----------|------------------|------------------|----------------|-----|
| 1                | 405              | 32    | 564   | 29.62 | 57.81  | 81.6   | 0.1752 | 0.3419   | 0.4827           | 185.5            | 17 486 38 592  | Cm  |
| 7                | 435              | 33    | 565   | 26.33 | 58.18  | 63.49  | 0.1779 | 0.393    | 0.4289           | 168.3            | 18 490 46 634  |     |
| 10               | 450              | 33    | 566   | 23.03 | 58.68  | 42.47  | 0.1854 | 0.4725   | 0.342            | 144.5            | 19 497 -1 497c |     |
| 12               | 460              | 33    | 567   | 21.47 | 59.3   | 28.27  | 0.1969 | 0.5437   | 0.2592           | 128.7            | 21 506 -1 506c |     |
| 13               | 465              | 33    | 568   | 21.31 | 59.95  | 22.16  | 0.206  | 0.5796   | 0.2143           | 122.2            | 22 511 -1 511c |     |
| 14               | 470              | 34    | 570   | 21.86 | 61.04  | 17.05  | 0.2187 | 0.6106   | 0.1706           | 116.7            | 23 519 -1 519c |     |
| 15               | 475              | 34    | 573   | 23.55 | 62.89  | 12.91  | 0.237  | 0.6329   | 0.1299           | 111.5            | 25 527 -1 527c | Gm  |
| 15               | 480              | 35    | 578   | 27.61 | 66.91  | 12.92  | 0.2569 | 0.6227   | 0.1202           | 108.5            | 26 531 -1 531c |     |
| 17               | 485              | 37    | 587   | 35.32 | 72.24  | 7.33   | 0.3074 | 0.6287   | 0.0637           | 98.0             | 28 544 -1 544c |     |
| 18               | 490              | 44    | 620   | 65.61 | 88.02  | 5.54   | 0.4122 | 0.5529   | 0.0348           | 71.0             | 32 561 -1 561c | max |
| 19               | 495              | -1    | 495c  | 83.11 | 93.65  | 4.13   | 0.4594 | 0.5177   | 0.0228           | 54.4             | 33 568 12 463  |     |
| 20               | 500              | -1    | 500c  | 83.09 | 91.98  | 3.02   | 0.4665 | 0.5164   | 0.0169           | 52.5             | 33 569 13 466  |     |
| 22               | 510              | -1    | 510c  | 82.98 | 87.33  | 1.55   | 0.4827 | 0.5081   | 0.009            | 47.4             | 34 571 14 471  |     |
| 23               | 520              | -1    | 519c  | 82.76 | 84.29  | 1.11   | 0.4921 | 0.5012   | 0.0066           | 44.2             | 34 572 14 473  | Ym  |
| 25               | 530              | -1    | 529c  | 81.69 | 76.8   | 0.56   | 0.5136 | 0.4828   | 0.0035           | 36.4             | 35 575 15 477  |     |
| 27               | 540              | -1    | 539c  | 79.51 | 68.0   | 0.26   | 0.538  | 0.4601   | 0.0018           | 27.8             | 35 579 16 480  |     |
| 28               | 545              | -1    | 544c  | 77.94 | 63.34  | 0.18   | 0.5509 | 0.4477   | 0.0013           | 23.4             | 36 581 16 481  |     |
| 29               | 550              | -1    | 549c  | 76.02 | 58.55  | 0.13   | 0.5643 | 0.4346   | 0.0009           | 19.1             | 36 583 16 483  |     |
| 30               | 555              | -1    | 554c  | 73.73 | 53.72  | 0.09   | 0.578  | 0.4211   | 0.0007           | 15.0             | 37 585 16 484  |     |
| 32               | 560              | -1    | 560c  | 68.07 | 44.27  | 0.05   | 0.6055 | 0.3938   | 0.0005           | 7.7              | 38 590 17 486  |     |
| 32               | 564              | 1     | 405   | 66.79 | 42.18  | 0.88   | 0.6079 | 0.3839   | 0.008            | 5.5              | 38 592 17 486  | Rm  |
| 33               | 565              | 7     | 435   | 70.08 | 41.81  | 18.99  | 0.5354 | 0.3194   | 0.1451           | 348.3            | 46 634 18 490  |     |
| 33               | 566              | 10    | 450   | 73.38 | 41.31  | 40.02  | 0.4743 | 0.267    | 0.2586           | 324.5            | -1 497c 19 497 |     |
| 33               | 567              | 12    | 460   | 74.94 | 40.69  | 54.22  | 0.4412 | 0.2395   | 0.3191           | 308.7            | -1 506c 21 506 |     |
| 33               | 568              | 13    | 465   | 75.1  | 40.04  | 60.32  | 0.428  | 0.2281   | 0.3437           | 302.3            | -1 511c 22 511 |     |
| 34               | 570              | 14    | 470   | 74.55 | 38.95  | 65.43  | 0.4166 | 0.2176   | 0.3656           | 296.7            | -1 519c 23 519 |     |
| 34               | 573              | 15    | 475   | 72.86 | 37.1   | 69.58  | 0.4058 | 0.2066   | 0.3875           | 291.6            | -1 527c 25 527 | Mm  |
| 35               | 578              | 15    | 480   | 68.81 | 33.08  | 69.57  | 0.4013 | 0.1929   | 0.4057           | 288.5            | -1 531c 26 531 |     |
| 37               | 587              | 17    | 485   | 61.09 | 27.75  | 75.16  | 0.3724 | 0.1692   | 0.4582           | 278.0            | -1 544c 28 544 |     |
| 44               | 620              | 18    | 490   | 30.81 | 11.97  | 76.95  | 0.2573 | 0.1      | 0.6426           | 251.1            | -1 561c 32 561 | min |
| -1               | 495c             | 19    | 495   | 13.31 | 6.34   | 78.36  | 0.1357 | 0.0647   | 0.7994           | 234.4            | 12 463 33 568  |     |
| -1               | 500c             | 20    | 500   | 13.32 | 8.01   | 79.46  | 0.1321 | 0.0794   | 0.7883           | 232.5            | 13 466 33 569  |     |
| -1               | 510c             | 22    | 510   | 13.44 | 12.66  | 80.94  | 0.1255 | 0.1182   | 0.7561           | 227.5            | 14 471 34 571  |     |
| -1               | 519c             | 23    | 520   | 13.65 | 15.7   | 81.37  | 0.1233 | 0.1418   | 0.7348           | 224.2            | 14 473 34 572  | Bm  |
| -1               | 529c             | 25    | 530   | 14.72 | 23.19  | 81.93  | 0.1228 | 0.1935   | 0.6836           | 216.5            | 15 477 35 575  |     |
| -1               | 539c             | 27    | 540   | 16.91 | 31.99  | 82.22  | 0.1289 | 0.244    | 0.627            | 207.8            | 16 480 35 579  |     |
| -1               | 544c             | 28    | 545   | 18.47 | 36.65  | 82.3   | 0.1344 | 0.2666   | 0.5988           | 203.5            | 16 481 36 581  |     |
| -1               | 549c             | 29    | 550   | 20.4  | 41.44  | 82.36  | 0.1414 | 0.2873   | 0.5711           | 199.2            | 16 483 36 583  |     |
| -1               | 554c             | 30    | 555   | 22.69 | 46.27  | 82.39  | 0.1499 | 0.3057   | 0.5443           | 195.0            | 16 484 37 585  |     |
| -1               | 560c             | 32    | 560   | 28.35 | 55.72  | 82.43  | 0.1702 | 0.3346   | 0.495            | 187.7            | 17 486 38 590  |     |
| 380              | 770              | 96.42 | 100.0 | 82.49 | 0.3457 | 0.3585 | 0.2957 | 0.0      |                  |                  |                |     |

TUB-Prüfvorlage BG28; CIE (x, y) und Farbarten ( $a_i, b_i$ )

Ostwald-Optimalfarben für Lichtart D50; Diagramm für Lichtart D50,  $Y_W=100$



TUB-Registrierung: 20170801-BG28/BG28L0NA.TXT / .PS  
Anwendung für Messung von Offsetdruck-Ausgabe

TUB-Material: Code=rh4ta

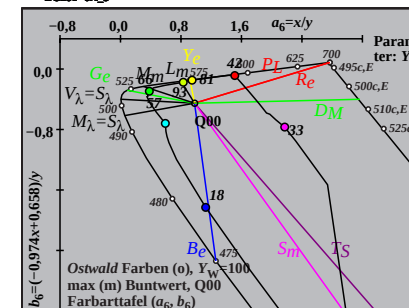
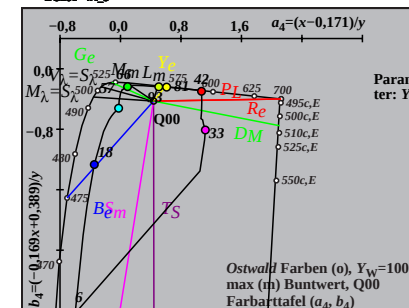
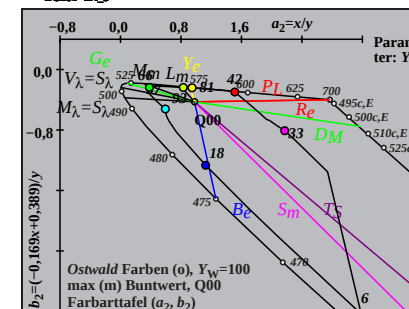
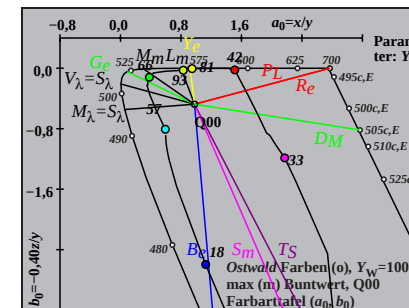
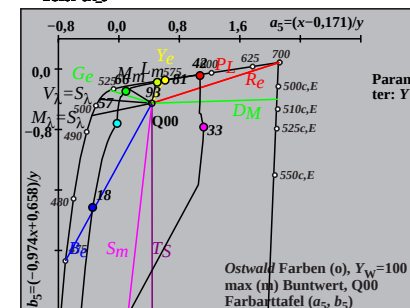
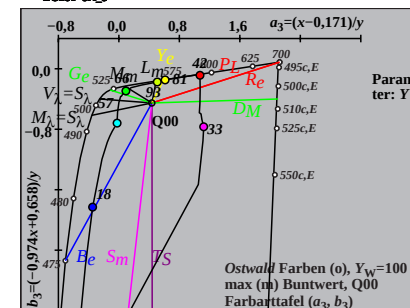
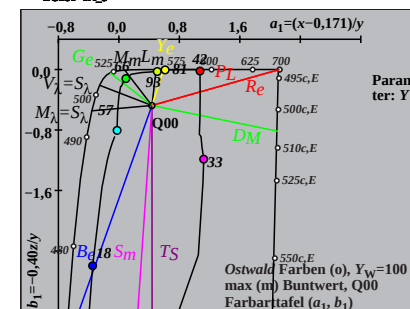
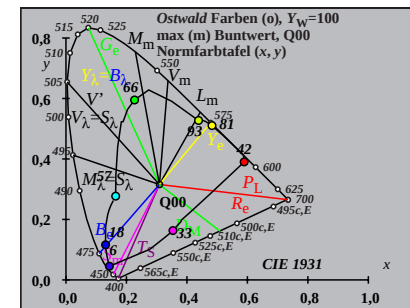
Eingabe: w/rgb/cmyk -> rgb

Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für P40,  $Y_w=100$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X      | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code               |
|------------------|------------------|--------|-------|-------|--------|--------|--------|----------|------------------|------------------|--------------------|
| 0                | 405              | 33     | 568   | 28.76 | 56.58  | 64.26  | 0.1922 | 0.3782   | 0.4295           | 179.4            | 17 488 38 594 Cm   |
| 7                | 435              | 33     | 568   | 25.87 | 56.85  | 48.49  | 0.1971 | 0.4333   | 0.3695           | 162.7            | 18 493 54 674      |
| 10               | 450              | 33     | 569   | 23.49 | 57.27  | 33.07  | 0.2063 | 0.5031   | 0.2905           | 143.8            | 19 499 -1 499c     |
| 12               | 460              | 34     | 570   | 22.45 | 57.79  | 22.67  | 0.2181 | 0.5615   | 0.2202           | 131.1            | 21 507 -1 507c     |
| 13               | 465              | 34     | 571   | 22.44 | 58.31  | 18.03  | 0.2271 | 0.5902   | 0.1825           | 125.5            | 22 512 -1 512c     |
| 14               | 470              | 34     | 572   | 22.98 | 59.17  | 14.1   | 0.2387 | 0.6147   | 0.1464           | 120.6            | 23 519 -1 519c     |
| 14               | 475              | 34     | 574   | 24.78 | 61.12  | 14.1   | 0.2477 | 0.6111   | 0.141            | 119.3            | 24 522 -1 522c Gm  |
| 15               | 480              | 35     | 578   | 27.65 | 63.82  | 10.88  | 0.2701 | 0.6234   | 0.1063           | 113.9            | 26 531 -1 531c     |
| 17               | 485              | 37     | 585   | 33.55 | 68.02  | 6.37   | 0.3108 | 0.6301   | 0.059            | 105.2            | 28 543 -1 543c     |
| 17               | 490              | 40     | 600   | 50.32 | 79.03  | 6.38   | 0.3707 | 0.5822   | 0.047            | 92.5             | 30 554 -1 554c max |
| 19               | 495              | -1     | 495c  | 90.57 | 94.87  | 3.66   | 0.4789 | 0.5016   | 0.0193           | 51.6             | 34 571 12 464      |
| 20               | 500              | -1     | 500c  | 90.56 | 93.44  | 2.71   | 0.485  | 0.5004   | 0.0145           | 49.6             | 34 571 13 467      |
| 21               | 510              | -1     | 509c  | 90.54 | 91.62  | 1.97   | 0.4916 | 0.4975   | 0.0107           | 47.2             | 34 572 13 469      |
| 24               | 520              | -1     | 520c  | 89.9  | 83.41  | 0.74   | 0.5164 | 0.4792   | 0.0042           | 36.9             | 35 575 15 476 Ym   |
| 26               | 530              | -1     | 530c  | 88.44 | 75.94  | 0.37   | 0.5368 | 0.4609   | 0.0022           | 28.2             | 35 578 16 480      |
| 27               | 540              | -1     | 539c  | 87.29 | 71.77  | 0.26   | 0.5478 | 0.4504   | 0.0016           | 23.7             | 36 580 16 481      |
| 29               | 545              | -1     | 545c  | 84.0  | 62.86  | 0.13   | 0.5714 | 0.4276   | 0.0009           | 14.9             | 36 584 16 484      |
| 29               | 550              | -1     | 549c  | 84.0  | 62.86  | 0.13   | 0.5714 | 0.4276   | 0.0009           | 14.9             | 36 584 16 484      |
| 31               | 555              | -1     | 555c  | 79.18 | 53.5   | 0.07   | 0.5963 | 0.403    | 0.0006           | 6.9              | 37 588 17 486      |
| 32               | 560              | -1     | 560c  | 76.14 | 48.79  | 0.06   | 0.6091 | 0.3903   | 0.0005           | 3.4              | 38 591 17 487      |
| 33               | 568              | 0      | 405   | 72.16 | 43.41  | 0.42   | 0.622  | 0.3742   | 0.0037           | 359.4            | 38 594 17 488 Rm   |
| 33               | 568              | 7      | 435   | 75.05 | 43.14  | 16.19  | 0.5584 | 0.3209   | 0.1205           | 342.7            | 54 674 18 493      |
| 33               | 569              | 10     | 450   | 77.44 | 42.72  | 31.61  | 0.5102 | 0.2814   | 0.2082           | 323.9            | -1 499c 19 499     |
| 34               | 570              | 12     | 460   | 78.47 | 42.2   | 42.01  | 0.4823 | 0.2593   | 0.2582           | 311.1            | -1 507c 21 507     |
| 34               | 571              | 13     | 465   | 78.48 | 41.68  | 46.65  | 0.4704 | 0.2498   | 0.2796           | 305.5            | -1 512c 22 512     |
| 34               | 572              | 14     | 470   | 77.94 | 40.82  | 50.58  | 0.4602 | 0.241    | 0.2987           | 300.6            | -1 519c 23 519     |
| 34               | 574              | 14     | 475   | 76.15 | 38.87  | 50.58  | 0.4598 | 0.2347   | 0.3054           | 299.4            | -1 522c 24 522 Mm  |
| 35               | 578              | 15     | 480   | 73.27 | 36.17  | 53.8   | 0.4488 | 0.2215   | 0.3295           | 294.0            | -1 531c 26 531     |
| 37               | 585              | 17     | 485   | 67.37 | 31.97  | 58.31  | 0.4273 | 0.2028   | 0.3698           | 285.2            | -1 543c 28 543     |
| 40               | 600              | 17     | 490   | 50.61 | 20.96  | 58.3   | 0.3896 | 0.1614   | 0.4488           | 272.6            | -1 554c 30 554 min |
| -1               | 495c             | 19     | 495   | 10.35 | 5.12   | 61.02  | 0.1353 | 0.0669   | 0.7977           | 231.6            | 12 464 34 571      |
| -1               | 500c             | 20     | 500   | 10.36 | 6.55   | 61.97  | 0.1313 | 0.083    | 0.7855           | 229.7            | 13 467 34 571      |
| -1               | 509c             | 21     | 510   | 10.38 | 8.37   | 62.71  | 0.1275 | 0.1028   | 0.7696           | 227.3            | 13 469 34 572      |
| -1               | 520c             | 24     | 520   | 11.02 | 16.58  | 63.94  | 0.1204 | 0.1811   | 0.6984           | 216.9            | 15 476 35 575 Bm   |
| -1               | 530c             | 26     | 530   | 12.48 | 24.05  | 64.31  | 0.1237 | 0.2385   | 0.6377           | 208.3            | 16 480 35 578      |
| -1               | 539c             | 27     | 540   | 13.63 | 28.22  | 64.42  | 0.1282 | 0.2655   | 0.6061           | 203.7            | 16 481 36 580      |
| -1               | 545c             | 29     | 545   | 16.92 | 37.13  | 64.55  | 0.1427 | 0.313    | 0.5442           | 194.9            | 16 484 36 584      |
| -1               | 549c             | 29     | 550   | 16.92 | 37.13  | 64.55  | 0.1427 | 0.313    | 0.5442           | 194.9            | 16 484 36 584      |
| -1               | 555c             | 31     | 555   | 21.74 | 46.49  | 64.6   | 0.1636 | 0.3499   | 0.4863           | 186.9            | 17 486 37 588      |
| -1               | 560c             | 32     | 560   | 24.79 | 51.2   | 64.62  | 0.1762 | 0.3641   | 0.4595           | 183.4            | 17 487 38 591      |
| 380              | 770              | 100.93 | 100.0 | 64.68 | 0.3799 | 0.3764 | 0.2435 | 0.0      |                  |                  |                    |

TUB-Prüfvorlage BG28; CIE (x, y) und Farbarten ( $a_i, b_i$ )

Ostwald-Optimalfarben für Lichtart P40; Diagramm für Lichtart P40,  $Y_w=100$



TUB-Registrierung: 20170801-BG28/BG28L0NA.TXT / .PS  
Anwendung für Messung von Offsetdruck-Ausgabe

TUB-Material: Code=rh4ta

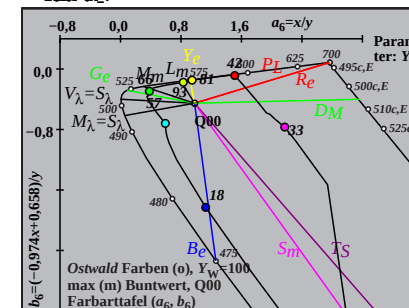
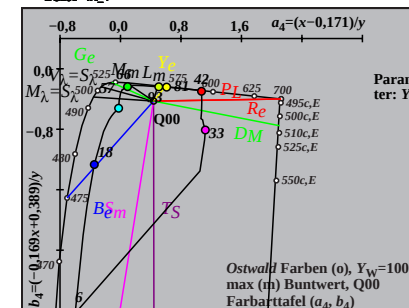
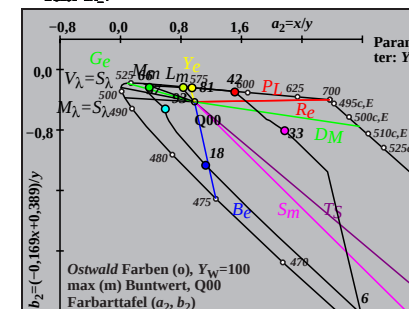
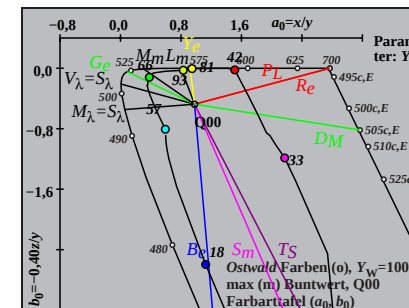
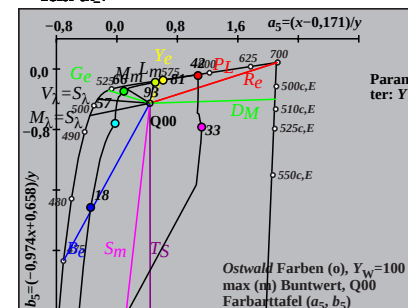
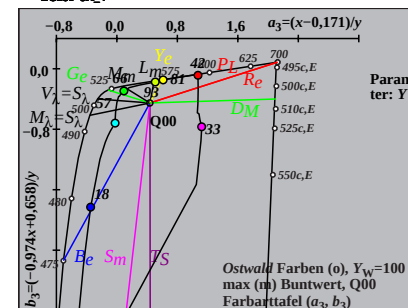
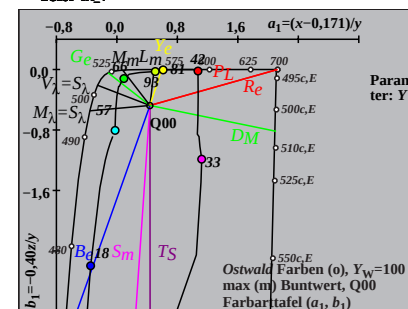
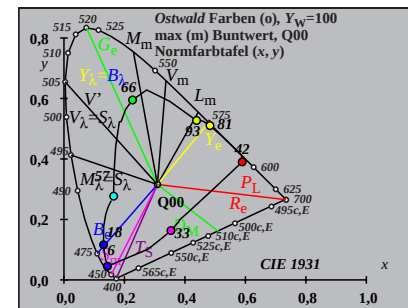
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Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für A00,  $Y_w=100$ ,  $Y_m=520,770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X      | Y     | Z      | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code           |     |
|------------------|------------------|--------|-------|--------|--------|--------|--------|----------|------------------|------------------|----------------|-----|
| 1                | 405              | 34     | 574   | 27.6   | 54.67  | 35.28  | 0.2347 | 0.465    | 0.3001           | 164.8            | 18 494 39 599  | Cm  |
| 6                | 435              | 34     | 574   | 26.83  | 54.85  | 30.55  | 0.239  | 0.4887   | 0.2722           | 158.6            | 19 496 42 611  |     |
| 9                | 450              | 34     | 574   | 25.76  | 55.12  | 23.32  | 0.2472 | 0.5289   | 0.2238           | 148.7            | 20 501 -1 501c |     |
| 12               | 460              | 35     | 575   | 24.7   | 55.33  | 14.75  | 0.2606 | 0.5837   | 0.1556           | 136.6            | 21 508 -1 508c |     |
| 13               | 465              | 35     | 575   | 24.73  | 55.6   | 12.04  | 0.2677 | 0.6018   | 0.1303           | 132.7            | 22 512 -1 512c |     |
| 13               | 470              | 35     | 576   | 25.43  | 56.26  | 12.04  | 0.2712 | 0.6001   | 0.1285           | 132.4            | 22 513 -1 513c |     |
| 14               | 475              | 35     | 577   | 26.19  | 57.11  | 9.67   | 0.2817 | 0.6142   | 0.104            | 128.7            | 23 519 -1 519c | Gm  |
| 16               | 480              | 35     | 579   | 27.57  | 58.19  | 6.02   | 0.3003 | 0.6339   | 0.0656           | 123.0            | 26 532 -1 532c |     |
| 17               | 485              | 36     | 582   | 30.76  | 60.55  | 4.72   | 0.3202 | 0.6305   | 0.0491           | 119.6            | 28 540 -1 540c |     |
| 18               | 490              | 37     | 588   | 37.17  | 64.98  | 3.68   | 0.3512 | 0.6139   | 0.0348           | 114.9            | 29 548 -1 548c | max |
| 19               | 495              | 40     | 601   | 53.48  | 74.48  | 2.85   | 0.4088 | 0.5693   | 0.0218           | 103.4            | 31 559 -1 559c |     |
| 20               | 500              | -1     | 500c  | 104.46 | 95.67  | 2.17   | 0.5163 | 0.4728   | 0.0107           | 43.5             | 35 576 13 469  |     |
| 21               | 510              | -1     | 509c  | 104.44 | 94.31  | 1.62   | 0.5212 | 0.4706   | 0.0081           | 40.5             | 35 576 14 472  |     |
| 24               | 520              | -1     | 520c  | 103.93 | 87.81  | 0.66   | 0.5401 | 0.4563   | 0.0034           | 27.8             | 35 579 16 480  | Ym  |
| 26               | 530              | -1     | 530c  | 102.7  | 81.5   | 0.35   | 0.5564 | 0.4416   | 0.0019           | 17.4             | 36 582 16 484  |     |
| 28               | 540              | -1     | 540c  | 100.37 | 73.92  | 0.18   | 0.5752 | 0.4236   | 0.001            | 7.2              | 37 585 17 487  |     |
| 28               | 545              | -1     | 544c  | 100.37 | 73.92  | 0.18   | 0.5752 | 0.4236   | 0.001            | 7.2              | 37 585 17 487  |     |
| 29               | 550              | -1     | 549c  | 98.69  | 69.75  | 0.13   | 0.5854 | 0.4137   | 0.0008           | 2.6              | 37 586 17 489  |     |
| 31               | 555              | -1     | 555c  | 94.09  | 60.83  | 0.08   | 0.6069 | 0.3924   | 0.0005           | 354.6            | 38 590 18 491  |     |
| 32               | 560              | -1     | 560c  | 91.08  | 56.18  | 0.06   | 0.6182 | 0.3813   | 0.0004           | 351.3            | 38 593 18 492  |     |
| 34               | 574              | 1      | 405   | 82.24  | 45.32  | 0.3    | 0.6431 | 0.3544   | 0.0023           | 344.8            | 39 599 18 494  | Rm  |
| 34               | 574              | 6      | 435   | 83.01  | 45.14  | 5.02   | 0.6233 | 0.3389   | 0.0377           | 338.7            | 42 611 19 496  |     |
| 34               | 574              | 9      | 450   | 84.08  | 44.87  | 12.26  | 0.5954 | 0.3177   | 0.0868           | 328.7            | -1 501c 20 501 |     |
| 35               | 575              | 12     | 460   | 85.14  | 44.66  | 20.83  | 0.5651 | 0.2965   | 0.1382           | 316.7            | -1 508c 21 508 |     |
| 35               | 575              | 13     | 465   | 85.11  | 44.39  | 23.53  | 0.5561 | 0.29     | 0.1537           | 312.7            | -1 512c 22 512 |     |
| 35               | 576              | 13     | 470   | 84.41  | 43.73  | 23.53  | 0.5565 | 0.2883   | 0.1551           | 312.4            | -1 513c 22 513 |     |
| 35               | 577              | 14     | 475   | 83.64  | 42.88  | 25.91  | 0.5487 | 0.2813   | 0.1699           | 308.7            | -1 519c 23 519 | Mm  |
| 35               | 579              | 16     | 480   | 82.27  | 41.8   | 29.55  | 0.5355 | 0.272    | 0.1923           | 303.0            | -1 532c 26 532 |     |
| 36               | 582              | 17     | 485   | 79.08  | 39.44  | 30.85  | 0.5294 | 0.264    | 0.2065           | 299.7            | -1 540c 28 540 |     |
| 37               | 588              | 18     | 490   | 72.67  | 35.01  | 31.89  | 0.5206 | 0.2508   | 0.2285           | 295.0            | -1 548c 29 548 | min |
| 40               | 601              | 19     | 495   | 56.36  | 25.51  | 32.72  | 0.4917 | 0.2226   | 0.2855           | 283.4            | -1 559c 31 559 |     |
| -1               | 500c             | 20     | 500   | 5.38   | 4.32   | 33.4   | 0.1248 | 0.1002   | 0.7748           | 223.5            | 13 469 35 576  |     |
| -1               | 509c             | 21     | 510   | 5.39   | 5.68   | 33.95  | 0.1198 | 0.1262   | 0.7538           | 220.6            | 14 472 35 576  |     |
| -1               | 520c             | 24     | 520   | 5.91   | 12.18  | 34.91  | 0.1115 | 0.2298   | 0.6586           | 207.8            | 16 480 35 579  | Bm  |
| -1               | 530c             | 26     | 530   | 7.14   | 18.49  | 35.23  | 0.1173 | 0.3037   | 0.5788           | 197.4            | 16 484 36 582  |     |
| -1               | 540c             | 28     | 540   | 9.47   | 26.07  | 35.39  | 0.1335 | 0.3674   | 0.4989           | 187.2            | 17 487 37 585  |     |
| -1               | 544c             | 28     | 545   | 9.47   | 26.07  | 35.39  | 0.1335 | 0.3674   | 0.4989           | 187.2            | 17 487 37 585  |     |
| -1               | 549c             | 29     | 550   | 11.15  | 30.24  | 35.44  | 0.1451 | 0.3935   | 0.4612           | 182.6            | 17 489 37 586  |     |
| -1               | 555c             | 31     | 555   | 15.75  | 39.16  | 35.49  | 0.1742 | 0.4331   | 0.3926           | 174.6            | 18 491 38 590  |     |
| -1               | 560c             | 32     | 560   | 18.75  | 43.81  | 35.51  | 0.1912 | 0.4466   | 0.362            | 171.2            | 18 492 38 593  |     |
| 380              | 770              | 109.84 | 99.99 | 35.58  | 0.4475 | 0.4074 | 0.1449 | 0.0      |                  |                  |                |     |

TUB-Prüfvorlage BG28; CIE (x, y) und Farbarten ( $a_i, b_i$ )

Ostwald-Optimalfarben für Lichtart A00; Diagramm für Lichtart A00,  $Y_w=100$



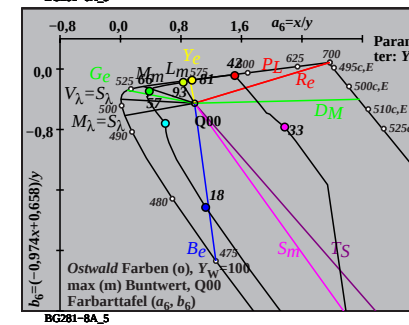
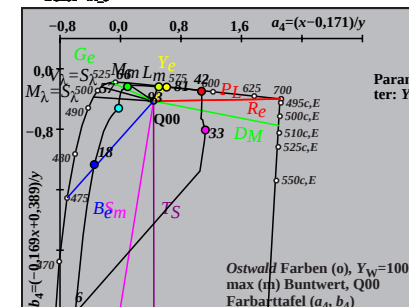
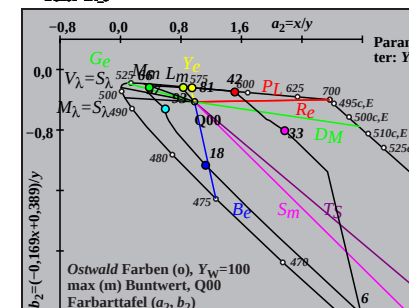
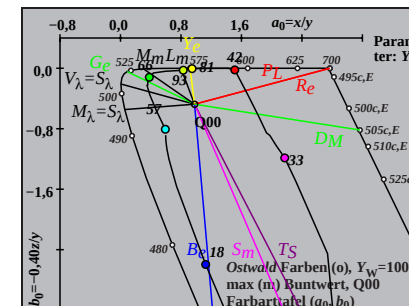
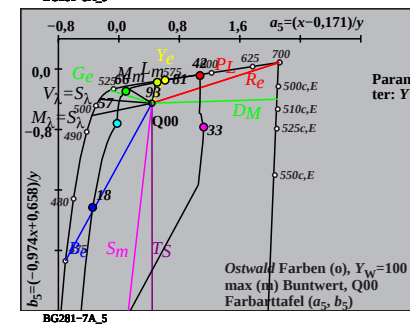
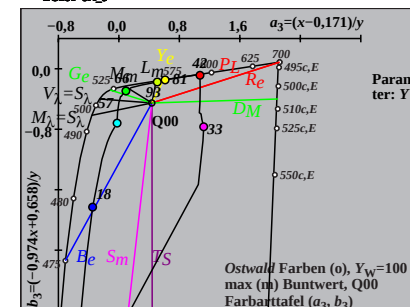
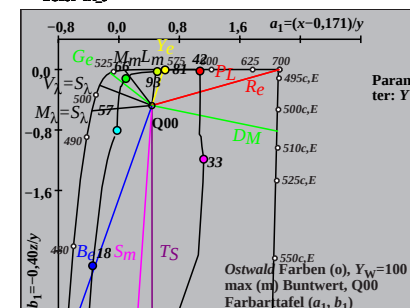
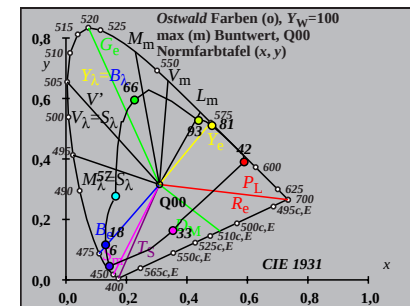
Eingabe: w/rgb/cmyk -> rgb

**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für E00,  $Y_w=100$ ,  $Y_m=520\_770$**

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X     | Y     | Z     | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|-------|-------|-------|--------|--------|--------|----------|------------------|------------------|------|
| 1 405            | 32 564           | 32.46 | 57.42 | 98.28 | 0.1725 | 0.3051 | 0.5222 | 189.9    | 16 484           | 38 592           | Cm   |
| 6 435            | 33 565           | 28.76 | 57.91 | 77.9  | 0.1747 | 0.3518 | 0.4733 | 173.3    | 17 488           | 45 627           |      |
| 10 450           | 33 566           | 23.31 | 58.44 | 45.21 | 0.1835 | 0.4603 | 0.3561 | 139.6    | 19 498           | -1 498c          |      |
| 12 460           | 33 568           | 21.73 | 59.28 | 29.75 | 0.1962 | 0.5351 | 0.2686 | 124.1    | 21 507           | -1 507c          |      |
| 13 465           | 33 569           | 21.68 | 60.14 | 23.17 | 0.2065 | 0.5727 | 0.2206 | 117.8    | 22 514           | -1 514c          |      |
| 14 470           | 34 571           | 22.57 | 61.52 | 17.72 | 0.2217 | 0.6041 | 0.174  | 112.3    | 24 522           | -1 522c          |      |
| 14 475           | 35 575           | 25.39 | 64.53 | 17.73 | 0.2358 | 0.5994 | 0.1646 | 110.0    | 25 525           | -1 525c          | Gm   |
| 16 480           | 36 581           | 29.91 | 68.21 | 10.05 | 0.2765 | 0.6305 | 0.0929 | 100.8    | 27 538           | -1 538c          |      |
| 17 485           | 39 595           | 42.54 | 76.7  | 7.54  | 0.3355 | 0.6049 | 0.0594 | 89.5     | 29 549           | -1 549c          |      |
| 18 490           | -1 490c          | 83.34 | 94.54 | 5.63  | 0.4541 | 0.5151 | 0.0307 | 56.3     | 33 568           | 11 459           | max  |
| 19 495           | -1 495c          | 83.29 | 93.18 | 4.17  | 0.461  | 0.5157 | 0.0231 | 54.9     | 33 568           | 12 461           |      |
| 19 500           | -1 499c          | 83.29 | 93.18 | 4.17  | 0.461  | 0.5157 | 0.0231 | 54.9     | 33 568           | 12 461           |      |
| 22 510           | -1 510c          | 83.16 | 86.74 | 1.54  | 0.485  | 0.5059 | 0.0089 | 48.6     | 34 571           | 13 469           |      |
| 24 520           | -1 520c          | 82.54 | 80.14 | 0.78  | 0.5049 | 0.4902 | 0.0047 | 42.4     | 34 574           | 14 473           | Ym   |
| 26 530           | -1 530c          | 80.98 | 72.11 | 0.37  | 0.5276 | 0.4698 | 0.0024 | 35.0     | 35 577           | 15 477           |      |
| 28 540           | -1 540c          | 78.25 | 63.21 | 0.18  | 0.5524 | 0.4462 | 0.0012 | 27.2     | 36 581           | 15 479           |      |
| 29 545           | -1 545c          | 76.4  | 58.59 | 0.13  | 0.5654 | 0.4336 | 0.0009 | 23.3     | 36 583           | 16 480           |      |
| 29 550           | -1 549c          | 76.4  | 58.59 | 0.13  | 0.5654 | 0.4336 | 0.0009 | 23.3     | 36 583           | 16 480           |      |
| 30 555           | -1 554c          | 74.18 | 53.92 | 0.09  | 0.5786 | 0.4205 | 0.0007 | 19.5     | 37 585           | 16 482           |      |
| 32 560           | -1 560c          | 68.62 | 44.64 | 0.05  | 0.6055 | 0.3939 | 0.0005 | 12.5     | 38 590           | 16 483           |      |
| 32 564           | 1 405            | 67.53 | 42.57 | 1.71  | 0.6039 | 0.3807 | 0.0153 | 9.9      | 38 592           | 16 484           | Rm   |
| 33 565           | 6 435            | 71.23 | 42.08 | 22.09 | 0.526  | 0.3107 | 0.1632 | 353.3    | 45 627           | 17 488           |      |
| 33 566           | 10 450           | 76.68 | 41.55 | 54.78 | 0.4432 | 0.2401 | 0.3166 | 319.7    | -1 498c          | 19 498           |      |
| 33 568           | 12 460           | 78.26 | 40.71 | 70.24 | 0.4135 | 0.2151 | 0.3712 | 304.2    | -1 507c          | 21 507           |      |
| 33 569           | 13 465           | 78.31 | 39.85 | 76.83 | 0.4015 | 0.2043 | 0.394  | 297.9    | -1 514c          | 22 514           |      |
| 34 571           | 14 470           | 77.42 | 38.47 | 82.27 | 0.3906 | 0.1941 | 0.4151 | 292.4    | -1 522c          | 24 522           |      |
| 35 575           | 14 475           | 74.61 | 35.46 | 82.27 | 0.3878 | 0.1843 | 0.4277 | 290.1    | -1 525c          | 25 525           | Mm   |
| 36 581           | 16 480           | 70.08 | 31.78 | 89.94 | 0.3653 | 0.1656 | 0.4689 | 280.8    | -1 538c          | 27 538           |      |
| 39 595           | 17 485           | 57.45 | 23.29 | 92.46 | 0.3317 | 0.1344 | 0.5337 | 269.5    | -1 549c          | 29 549           |      |
| -1 490c          | 18 490           | 16.65 | 5.45  | 94.36 | 0.1429 | 0.0468 | 0.8101 | 236.4    | 11 459           | 33 568           | min  |
| -1 495c          | 19 495           | 16.7  | 6.81  | 95.82 | 0.1399 | 0.0571 | 0.8029 | 235.0    | 12 461           | 33 568           |      |
| -1 499c          | 19 500           | 16.7  | 6.81  | 95.82 | 0.1399 | 0.0571 | 0.8029 | 235.0    | 12 461           | 33 568           |      |
| -1 510c          | 22 510           | 16.83 | 13.25 | 98.45 | 0.1309 | 0.1031 | 0.7659 | 228.6    | 13 469           | 34 571           |      |
| -1 520c          | 24 520           | 17.45 | 19.85 | 99.22 | 0.1278 | 0.1454 | 0.7267 | 222.4    | 14 473           | 34 574           | Bm   |
| -1 530c          | 26 530           | 19.01 | 27.88 | 99.62 | 0.1297 | 0.1903 | 0.6798 | 215.1    | 15 477           | 35 577           |      |
| -1 540c          | 28 540           | 21.74 | 36.78 | 99.81 | 0.1373 | 0.2323 | 0.6303 | 207.2    | 15 479           | 36 581           |      |
| -1 545c          | 29 545           | 23.59 | 41.4  | 99.86 | 0.1431 | 0.2511 | 0.6057 | 203.3    | 16 480           | 36 583           |      |
| -1 549c          | 29 550           | 23.59 | 41.4  | 99.86 | 0.1431 | 0.2511 | 0.6057 | 203.3    | 16 480           | 36 583           |      |
| -1 554c          | 30 555           | 25.81 | 46.07 | 99.9  | 0.1502 | 0.2682 | 0.5815 | 199.5    | 16 482           | 37 585           |      |
| -1 560c          | 32 560           | 31.37 | 55.35 | 99.94 | 0.168  | 0.2965 | 0.5353 | 192.5    | 16 483           | 38 590           |      |
| 380              | 770              | 100.0 | 100.0 | 100.0 | 0.3333 | 0.3333 | 0.3333 | 0.0      |                  |                  |      |

TUB-Prüfvorlage BG28; CIE (x, y) und Farbarten ( $a_i, b_i$ )

Ostwald-Optimalfarben für Lichtart E00; Diagramm für Lichtart E00,  $Y_w=100$



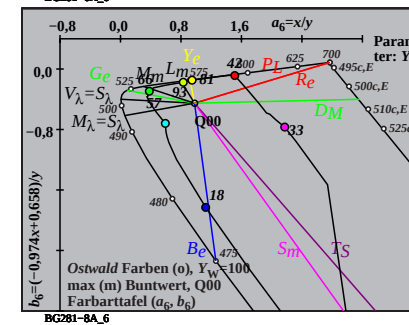
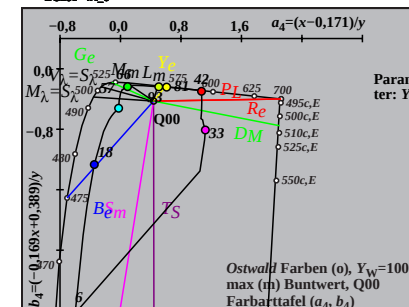
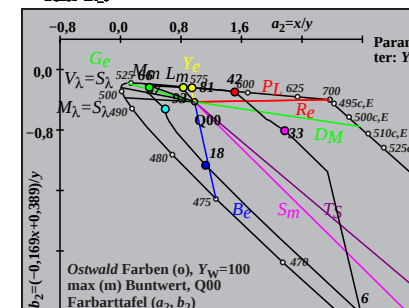
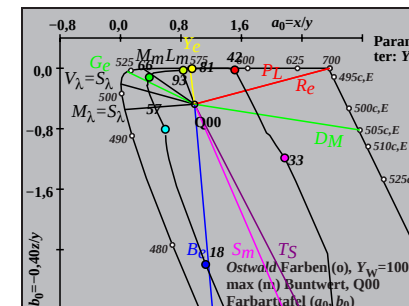
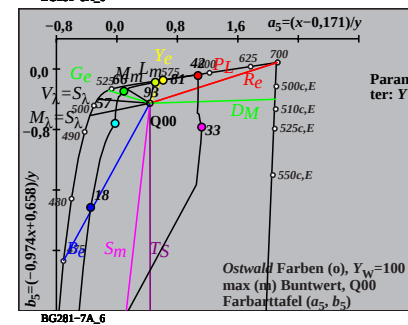
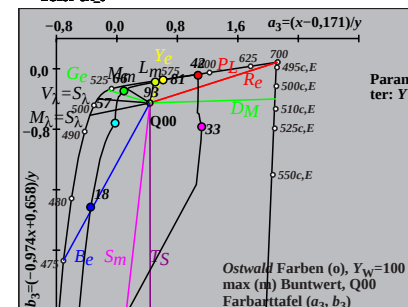
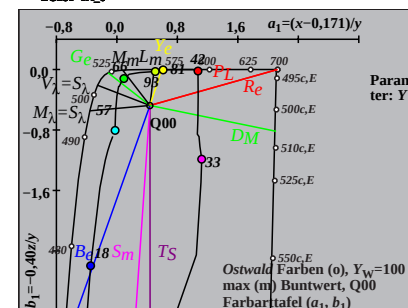
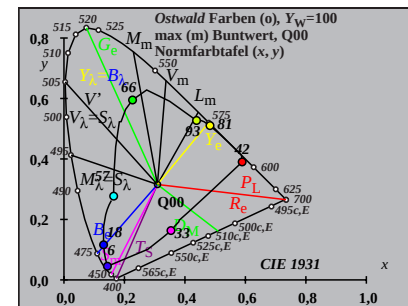
Eingabe: w/rgb/cmyk -> rgb

**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für C00,  $Y_w=100$ ,  $Y_m=520_770$**

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X     | Y     | Z      | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|-------|-------|--------|--------|--------|--------|----------|------------------|------------------|------|
| 1 405            | 32 562           | 34.5  | 57.68 | 117.03 | 0.1649 | 0.2756 | 0.5593 | 195.5    | 16 482           | 37 589           | Cm   |
| 6 435            | 32 563           | 30.59 | 58.35 | 95.14  | 0.1661 | 0.3169 | 0.5168 | 179.6    | 17 486           | 42 612           |      |
| 10 450           | 32 564           | 23.8  | 59.09 | 54.97  | 0.1726 | 0.4286 | 0.3987 | 140.6    | 19 496           | -1 496c          |      |
| 11 460           | 33 566           | 23.39 | 60.53 | 45.09  | 0.1813 | 0.4691 | 0.3494 | 130.0    | 20 501           | -1 501c          |      |
| 13 465           | 33 568           | 21.76 | 61.21 | 27.67  | 0.1967 | 0.5531 | 0.2501 | 115.5    | 22 513           | -1 513c          |      |
| 14 470           | 34 570           | 22.73 | 62.96 | 20.9   | 0.2132 | 0.5906 | 0.1961 | 109.4    | 24 522           | -1 522c          |      |
| 15 475           | 35 575           | 25.45 | 65.92 | 15.51  | 0.2381 | 0.6167 | 0.1451 | 103.4    | 26 530           | -1 530c          | Gm   |
| 16 480           | 36 582           | 31.68 | 71.08 | 11.37  | 0.2775 | 0.6227 | 0.0996 | 96.0     | 28 540           | -1 540c          |      |
| 16 485           | 40 602           | 48.83 | 82.56 | 11.39  | 0.342  | 0.5781 | 0.0798 | 83.0     | 30 551           | -1 551c          |      |
| 18 490           | -1 490c          | 78.39 | 93.33 | 6.01   | 0.441  | 0.525  | 0.0338 | 57.8     | 33 566           | 11 459           | max  |
| 19 495           | -1 495c          | 78.34 | 91.77 | 4.32   | 0.449  | 0.526  | 0.0248 | 56.4     | 33 567           | 12 462           |      |
| 19 500           | -1 499c          | 78.34 | 91.77 | 4.32   | 0.449  | 0.526  | 0.0248 | 56.4     | 33 567           | 12 462           |      |
| 21 510           | -1 509c          | 78.29 | 87.66 | 2.16   | 0.4656 | 0.5214 | 0.0128 | 52.8     | 33 568           | 13 466           |      |
| 24 520           | -1 520c          | 77.6  | 78.6  | 0.78   | 0.4943 | 0.5006 | 0.0049 | 45.0     | 34 572           | 14 472           | Ym   |
| 26 530           | -1 530c          | 76.06 | 70.68 | 0.38   | 0.5169 | 0.4804 | 0.0026 | 38.4     | 35 575           | 15 475           |      |
| 28 540           | -1 540c          | 73.26 | 61.57 | 0.18   | 0.5425 | 0.456  | 0.0013 | 31.0     | 35 579           | 15 478           |      |
| 28 545           | -1 544c          | 73.26 | 61.57 | 0.18   | 0.5425 | 0.456  | 0.0013 | 31.0     | 35 579           | 15 478           |      |
| 29 550           | -1 549c          | 71.31 | 56.72 | 0.13   | 0.5563 | 0.4425 | 0.001  | 27.1     | 36 581           | 15 479           |      |
| 31 555           | -1 555c          | 66.23 | 46.84 | 0.07   | 0.5853 | 0.4139 | 0.0006 | 19.5     | 37 586           | 16 481           |      |
| 31 560           | -1 559c          | 66.23 | 46.84 | 0.07   | 0.5853 | 0.4139 | 0.0006 | 19.5     | 37 586           | 16 481           |      |
| 32 562           | 1 405            | 63.56 | 42.31 | 1.19   | 0.5936 | 0.3952 | 0.0111 | 15.5     | 37 589           | 16 482           | Rm   |
| 32 563           | 6 435            | 67.47 | 41.64 | 23.08  | 0.5104 | 0.315  | 0.1745 | 359.6    | 42 612           | 17 486           |      |
| 32 564           | 10 450           | 74.26 | 40.9  | 63.25  | 0.4162 | 0.2292 | 0.3544 | 320.7    | -1 496c          | 19 496           |      |
| 33 566           | 11 460           | 74.67 | 39.46 | 73.13  | 0.3987 | 0.2107 | 0.3905 | 310.1    | -1 501c          | 20 501           |      |
| 33 568           | 13 465           | 76.3  | 38.78 | 90.54  | 0.371  | 0.1886 | 0.4403 | 295.5    | -1 513c          | 22 513           |      |
| 34 570           | 14 470           | 75.33 | 37.03 | 97.31  | 0.3592 | 0.1766 | 0.4641 | 289.4    | -1 522c          | 24 522           |      |
| 35 575           | 15 475           | 72.61 | 34.07 | 102.71 | 0.3467 | 0.1627 | 0.4905 | 283.4    | -1 530c          | 26 530           | Mm   |
| 36 582           | 16 480           | 66.38 | 28.91 | 106.84 | 0.3284 | 0.143  | 0.5285 | 276.0    | -1 540c          | 28 540           |      |
| 40 602           | 16 485           | 49.23 | 17.43 | 106.83 | 0.2837 | 0.1005 | 0.6157 | 263.0    | -1 551c          | 30 551           |      |
| -1 490c          | 18 490           | 19.67 | 6.66  | 112.2  | 0.142  | 0.0481 | 0.8098 | 237.9    | 11 459           | 33 566           | min  |
| -1 495c          | 19 495           | 19.72 | 8.22  | 113.89 | 0.139  | 0.0579 | 0.8029 | 236.4    | 12 462           | 33 567           |      |
| -1 499c          | 19 500           | 19.72 | 8.22  | 113.89 | 0.139  | 0.0579 | 0.8029 | 236.4    | 12 462           | 33 567           |      |
| -1 509c          | 21 510           | 19.77 | 12.33 | 116.05 | 0.1334 | 0.0832 | 0.7833 | 232.8    | 13 466           | 33 568           |      |
| -1 520c          | 24 520           | 20.46 | 21.39 | 117.44 | 0.1284 | 0.1342 | 0.7372 | 225.0    | 14 472           | 34 572           | Bm   |
| -1 530c          | 26 530           | 22.0  | 29.31 | 117.83 | 0.1301 | 0.1732 | 0.6966 | 218.4    | 15 475           | 35 575           |      |
| -1 540c          | 28 540           | 24.8  | 38.42 | 118.03 | 0.1368 | 0.2119 | 0.6511 | 211.0    | 15 478           | 35 579           |      |
| -1 544c          | 28 545           | 24.8  | 38.42 | 118.03 | 0.1368 | 0.2119 | 0.6511 | 211.0    | 15 478           | 35 579           |      |
| -1 549c          | 29 550           | 26.75 | 43.27 | 118.09 | 0.1422 | 0.23   | 0.6277 | 207.1    | 15 479           | 36 581           |      |
| -1 555c          | 31 555           | 31.83 | 53.15 | 118.15 | 0.1567 | 0.2616 | 0.5816 | 199.5    | 16 481           | 37 586           |      |
| -1 559c          | 31 560           | 31.83 | 53.15 | 118.15 | 0.1567 | 0.2616 | 0.5816 | 199.5    | 16 481           | 37 586           |      |
| 380              | 770              | 98.07 | 100.0 | 118.22 | 0.31   | 0.3161 | 0.3737 | 0.0      |                  |                  |      |

TUB-Prüfvorlage BG28; CIE (x, y) und Farbarten ( $a_i, b_i$ )

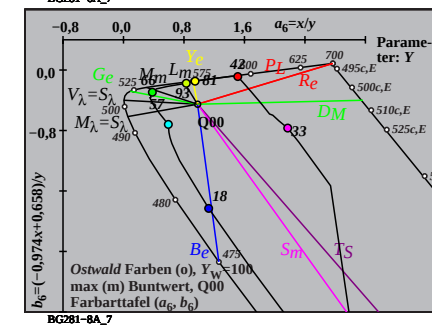
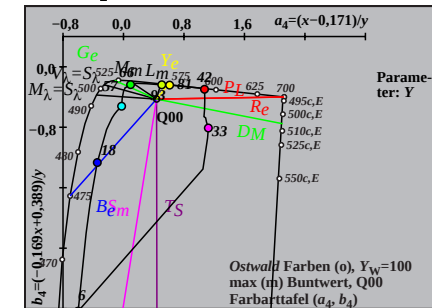
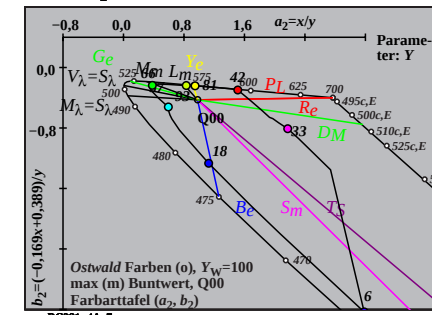
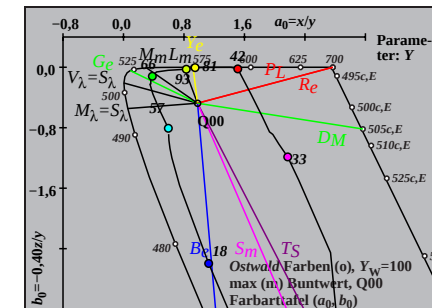
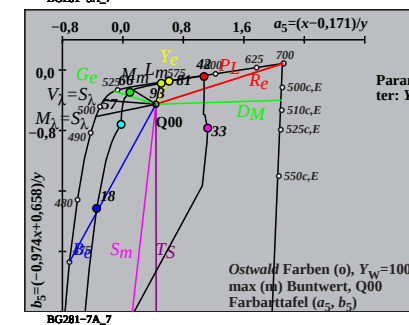
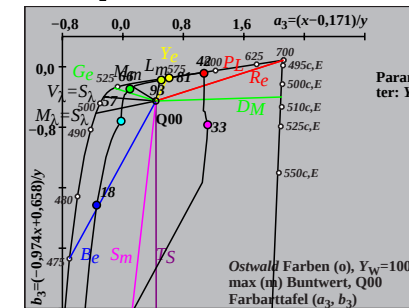
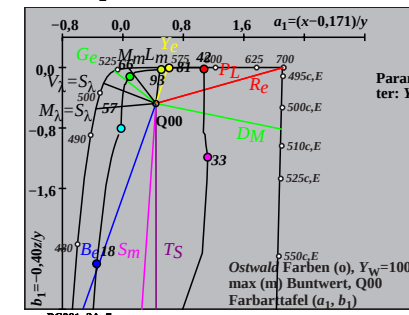
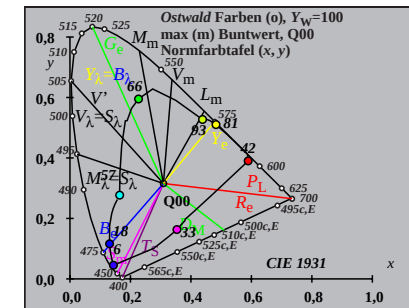
Ostwald-Optimalfarben für Lichtart C00; Diagramm für Lichtart C00,  $Y_w=100$



Eingabe: w/rgb/cmyk -> rgb

von maximalem (m)  $C_{AB}$  für P00,  $Y_w=100$ ,  $Y_m=520\_770$

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | $X$   | $Y$   | $Z$   | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code |
|------------------|------------------|-------|-------|-------|--------|--------|--------|----------|------------------|------------------|------|
| 1 405            | 33 567           | 30.75 | 56.81 | 79.81 | 0.1837 | 0.3394 | 0.4768 | 184.4    | 17 486           | 38 594           | Cm   |
| 7 435            | 33 567           | 26.73 | 57.13 | 58.13 | 0.1882 | 0.4023 | 0.4093 | 164.0    | 18 491           | -1 491c          |      |
| 10 450           | 33 568           | 23.65 | 57.64 | 38.32 | 0.1977 | 0.4818 | 0.3204 | 141.6    | 19 499           | -1 499c          |      |
| 12 460           | 34 570           | 22.35 | 58.3  | 25.63 | 0.2103 | 0.5485 | 0.2411 | 127.5    | 21 507           | -1 507c          |      |
| 13 465           | 34 571           | 22.38 | 58.95 | 20.14 | 0.2205 | 0.5809 | 0.1984 | 121.5    | 22 513           | -1 513c          |      |
| 13 470           | 34 572           | 23.76 | 60.46 | 20.14 | 0.2277 | 0.5792 | 0.1929 | 120.4    | 23 515           | -1 515c          |      |
| 15 475           | 35 575           | 24.94 | 61.97 | 11.85 | 0.2524 | 0.6274 | 0.12   | 111.4    | 25 529           | -1 529c          | Gm   |
| 16 480           | 36 580           | 28.9  | 65.35 | 8.98  | 0.2799 | 0.6329 | 0.087  | 106.0    | 27 537           | -1 537c          |      |
| 17 485           | 37 589           | 37.81 | 71.71 | 6.79  | 0.325  | 0.6164 | 0.0584 | 97.6     | 29 547           | -1 547c          |      |
| 18 490           | 45 625           | 72.2  | 88.93 | 5.13  | 0.4342 | 0.5348 | 0.0308 | 67.8     | 32 564           | -1 564c          | max  |
| 18 495           | -1 494c          | 88.77 | 95.36 | 5.13  | 0.469  | 0.5038 | 0.0271 | 54.2     | 34 570           | 12 460           |      |
| 20 500           | -1 500c          | 88.71 | 92.62 | 2.81  | 0.4817 | 0.5029 | 0.0153 | 50.9     | 34 571           | 13 465           |      |
| 22 510           | -1 510c          | 88.6  | 88.31 | 1.45  | 0.4967 | 0.495  | 0.0081 | 46.1     | 34 573           | 14 470           |      |
| 24 520           | -1 520c          | 88.03 | 82.18 | 0.75  | 0.5148 | 0.4807 | 0.0043 | 39.5     | 35 575           | 14 474           | Ym   |
| 25 530           | -1 529c          | 87.42 | 78.53 | 0.53  | 0.525  | 0.4717 | 0.0032 | 35.7     | 35 577           | 15 476           |      |
| 28 540           | -1 540c          | 83.92 | 66.0  | 0.18  | 0.559  | 0.4397 | 0.0012 | 23.5     | 36 582           | 16 481           |      |
| 28 545           | -1 544c          | 83.92 | 66.0  | 0.18  | 0.559  | 0.4397 | 0.0012 | 23.5     | 36 582           | 16 481           |      |
| 30 550           | -1 550c          | 79.92 | 56.88 | 0.1   | 0.5837 | 0.4155 | 0.0007 | 15.5     | 37 586           | 16 483           |      |
| 30 555           | -1 554c          | 79.92 | 56.88 | 0.1   | 0.5837 | 0.4155 | 0.0007 | 15.5     | 37 586           | 16 483           |      |
| 32 560           | -1 560c          | 74.35 | 47.6  | 0.06  | 0.6093 | 0.3901 | 0.0005 | 8.4      | 38 591           | 17 485           |      |
| 33 567           | 1 405            | 71.3  | 43.18 | 1.24  | 0.6161 | 0.3731 | 0.0107 | 4.4      | 38 594           | 17 486           | Rm   |
| 33 567           | 7 435            | 75.32 | 42.86 | 22.92 | 0.5338 | 0.3037 | 0.1624 | 344.0    | -1 491c          | 18 491           |      |
| 33 568           | 10 450           | 78.41 | 42.35 | 42.73 | 0.4795 | 0.259  | 0.2613 | 321.6    | -1 499c          | 19 499           |      |
| 34 570           | 12 460           | 79.71 | 41.69 | 55.42 | 0.4507 | 0.2357 | 0.3134 | 307.5    | -1 507c          | 21 507           |      |
| 34 571           | 13 465           | 79.68 | 41.04 | 60.91 | 0.4386 | 0.2259 | 0.3353 | 301.5    | -1 513c          | 22 513           |      |
| 34 572           | 13 470           | 78.29 | 39.53 | 60.91 | 0.438  | 0.2211 | 0.3407 | 300.4    | -1 515c          | 23 515           |      |
| 35 575           | 15 475           | 77.12 | 38.02 | 69.2  | 0.4183 | 0.2062 | 0.3753 | 291.5    | -1 529c          | 25 529           | Mm   |
| 36 580           | 16 480           | 73.15 | 34.64 | 72.07 | 0.4067 | 0.1925 | 0.4006 | 286.0    | -1 537c          | 27 537           |      |
| 37 589           | 17 485           | 64.24 | 28.28 | 74.26 | 0.3851 | 0.1695 | 0.4452 | 277.6    | -1 547c          | 29 547           |      |
| 45 625           | 18 490           | 29.85 | 11.06 | 75.92 | 0.2555 | 0.0946 | 0.6497 | 247.9    | -1 564c          | 32 564           | min  |
| -1 494c          | 18 495           | 13.29 | 4.63  | 75.92 | 0.1416 | 0.0493 | 0.809  | 234.2    | 12 460           | 34 570           |      |
| -1 500c          | 20 500           | 13.35 | 7.37  | 78.24 | 0.1349 | 0.0745 | 0.7905 | 231.0    | 13 465           | 34 571           |      |



TUB-Registrierung: 20170801-BG28/BG28L0NA.TXT /.PS  
Anwendung für Messung von Offsetdruck-Ausgabe

TUB-Material: Code=rh4ta

TUB-Prüfvorlage BG28; CIE  $(x, y)$  und Farbarten  $(a_i, b_i)$ 

Ostwald-Optimalfarben für Lichtart P00; Diagramm für Lichtart P00,  $Y_w=100$

Eingabe: w/rgb/cmyk  $\rightarrow$  rgb

**Ostwald-Optimalfarben (o) von maximalem (m)  $C_{AB}$  für Q00,  $Y_w=100$ ,  $Y_m=520_770$**

| $i_1, \lambda_1$ | $i_2, \lambda_2$ | X     | Y     | Z      | x     | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ | Code              |
|------------------|------------------|-------|-------|--------|-------|--------|--------|----------|------------------|------------------|-------------------|
| 1                | 405              | 32    | 562   | 34.3   | 57.89 | 116.76 | 0.1641 | 0.277    | 0.5587           | 194.9            | 16 482 38 590 Cm  |
| 7                | 435              | 32    | 562   | 27.73  | 58.38 | 81.9   | 0.165  | 0.3474   | 0.4874           | 167.4            | 17 488 -1 488c    |
| 10               | 450              | 32    | 564   | 22.97  | 59.19 | 52.11  | 0.171  | 0.4408   | 0.388            | 137.7            | 19 497 -1 497c    |
| 11               | 460              | 33    | 566   | 22.58  | 60.58 | 42.66  | 0.1795 | 0.4814   | 0.339            | 127.9            | 20 502 -1 502c    |
| 12               | 465              | 33    | 568   | 22.28  | 61.7  | 33.88  | 0.189  | 0.5234   | 0.2874           | 119.9            | 21 508 -1 508c    |
| 14               | 470              | 34    | 570   | 22.03  | 62.97 | 19.9   | 0.21   | 0.6002   | 0.1896           | 109.1            | 24 522 -1 522c    |
| 15               | 475              | 35    | 575   | 24.72  | 65.9  | 14.92  | 0.2342 | 0.6243   | 0.1413           | 103.6            | 26 530 -1 530c Gm |
| 16               | 480              | 36    | 582   | 30.96  | 71.11 | 11.12  | 0.2735 | 0.6281   | 0.0982           | 96.4             | 27 539 -1 539c    |
| 17               | 485              | 40    | 602   | 48.5   | 81.95 | 8.28   | 0.3496 | 0.5907   | 0.0596           | 81.5             | 30 552 -1 552c    |
| 17               | 490              | -1    | 489c  | 78.03  | 94.93 | 8.28   | 0.4305 | 0.5237   | 0.0457           | 59.7             | 33 565 11 455 max |
| 18               | 495              | -1    | 494c  | 77.91  | 93.71 | 6.13   | 0.4382 | 0.5271   | 0.0345           | 58.5             | 33 565 11 458     |
| 20               | 500              | -1    | 500c  | 77.84  | 90.31 | 3.26   | 0.4541 | 0.5268   | 0.019            | 55.5             | 33 567 12 463     |
| 21               | 510              | -1    | 509c  | 77.81  | 87.98 | 2.31   | 0.4628 | 0.5233   | 0.0137           | 53.4             | 33 568 13 465     |
| 23               | 520              | -1    | 519c  | 77.48  | 81.84 | 1.14   | 0.4828 | 0.51     | 0.0071           | 48.1             | 34 571 14 470 Ym  |
| 26               | 530              | -1    | 530c  | 75.41  | 69.63 | 0.38   | 0.5185 | 0.4788   | 0.0026           | 37.9             | 35 576 15 475     |
| 27               | 540              | -1    | 539c  | 74.15  | 65.08 | 0.26   | 0.5315 | 0.4665   | 0.0018           | 34.1             | 35 578 15 477     |
| 28               | 545              | -1    | 544c  | 72.59  | 60.41 | 0.18   | 0.545  | 0.4536   | 0.0013           | 30.3             | 36 580 15 478     |
| 29               | 550              | -1    | 549c  | 70.69  | 55.69 | 0.13   | 0.5587 | 0.4402   | 0.001            | 26.5             | 36 582 15 479     |
| 30               | 555              | -1    | 554c  | 68.45  | 50.96 | 0.09   | 0.5727 | 0.4264   | 0.0007           | 22.7             | 36 584 16 480     |
| 31               | 560              | -1    | 559c  | 65.85  | 46.27 | 0.07   | 0.5869 | 0.4124   | 0.0006           | 19.2             | 37 587 16 481     |
| 32               | 562              | 1     | 405   | 63.62  | 42.1  | 2.18   | 0.5895 | 0.3901   | 0.0202           | 14.8             | 38 590 16 482 Rm  |
| 32               | 562              | 7     | 435   | 70.19  | 41.61 | 37.05  | 0.4715 | 0.2795   | 0.2488           | 347.5            | -1 488c 17 488    |
| 32               | 564              | 10    | 450   | 74.95  | 40.8  | 66.84  | 0.4104 | 0.2234   | 0.366            | 317.7            | -1 497c 19 497    |
| 33               | 566              | 11    | 460   | 75.34  | 39.41 | 76.28  | 0.3943 | 0.2062   | 0.3993           | 308.0            | -1 502c 20 502    |
| 33               | 568              | 12    | 465   | 75.64  | 38.29 | 85.07  | 0.3801 | 0.1924   | 0.4274           | 300.0            | -1 508c 21 508    |
| 34               | 570              | 14    | 470   | 75.89  | 37.02 | 99.05  | 0.358  | 0.1746   | 0.4672           | 289.2            | -1 522c 24 522    |
| 35               | 575              | 15    | 475   | 73.2   | 34.09 | 104.03 | 0.3464 | 0.1613   | 0.4922           | 283.6            | -1 530c 26 530 Mm |
| 36               | 582              | 16    | 480   | 66.96  | 28.88 | 107.82 | 0.3287 | 0.1418   | 0.5293           | 276.5            | -1 539c 27 539    |
| 40               | 602              | 17    | 485   | 49.42  | 18.04 | 110.67 | 0.2774 | 0.1012   | 0.6212           | 261.6            | -1 552c 30 552    |
| -1               | 489c             | 17    | 490   | 19.89  | 5.06  | 110.66 | 0.1466 | 0.0373   | 0.8159           | 239.7            | 11 455 33 565 min |
| -1               | 494c             | 18    | 495   | 20.01  | 6.28  | 112.81 | 0.1438 | 0.0451   | 0.8109           | 238.5            | 11 458 33 565     |
| -1               | 500c             | 20    | 500   | 20.08  | 9.68  | 115.69 | 0.138  | 0.0665   | 0.7953           | 235.5            | 12 463 33 567     |
| -1               | 509c             | 21    | 510   | 20.11  | 12.01 | 116.64 | 0.1352 | 0.0807   | 0.784            | 233.5            | 13 465 33 568     |
| -1               | 519c             | 23    | 520   | 20.44  | 18.15 | 117.8  | 0.1307 | 0.116    | 0.7532           | 228.2            | 14 470 34 571 Bm  |
| -1               | 530c             | 26    | 530   | 22.51  | 30.36 | 118.56 | 0.1313 | 0.177    | 0.6915           | 217.9            | 15 475 35 576     |
| -1               | 539c             | 27    | 540   | 23.77  | 34.91 | 118.69 | 0.134  | 0.1968   | 0.6691           | 214.1            | 15 477 35 578     |
| -1               | 544c             | 28    | 545   | 25.34  | 39.58 | 118.77 | 0.1379 | 0.2154   | 0.6465           | 210.3            | 15 478 36 580     |
| -1               | 549c             | 29    | 550   | 27.23  | 44.3  | 118.82 | 0.143  | 0.2327   | 0.6241           | 206.5            | 15 479 36 582     |
| -1               | 554c             | 30    | 555   | 29.48  | 49.03 | 118.85 | 0.1493 | 0.2484   | 0.6021           | 202.8            | 16 480 36 584     |
| -1               | 559c             | 31    | 560   | 32.08  | 53.72 | 118.88 | 0.1567 | 0.2624   | 0.5807           | 199.2            | 16 481 37 587     |
| 380              | 770              | 97.93 | 100.0 | 118.95 | 0.309 | 0.3155 | 0.3753 | 0.0      |                  |                  |                   |

TUB-Prüfvorlage BG28; CIE ( $x, y$ ) und Farbarten ( $a_i, b_i$ )

Ostwald-Optimalfarben für Lichtart Q00; Diagramm für Lichtart Q00,  $Y_w=100$

Eingabe: w/rgb/cmyk -> rgb

