

Device and elementary colours of the sRGB colour space for D65,  $Y_w=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 41.24     | 21.26     | 1.93      | 0.64   | 0.33   | 0.03   | 0.1      | 41 606           | 17 486           |
| $Y_{d,sRGB}$ | 76.99     | 92.78     | 13.85     | 0.4193 | 0.5052 | 0.0754 | 58.8     | 33 565           | 11 459           |
| $G_{d,sRGB}$ | 35.75     | 71.51     | 11.91     | 0.3    | 0.6    | 0.0999 | 92.6     | 28 544           | -1 544c          |
| $C_{d,sRGB}$ | 53.8      | 78.73     | 106.95    | 0.2246 | 0.3287 | 0.4465 | 180.1    | 17 486           | 41 606           |
| $B_{d,sRGB}$ | 18.04     | 7.21      | 95.03     | 0.1499 | 0.0599 | 0.7899 | 238.8    | 11 459           | 33 565           |
| $M_{d,sRGB}$ | 59.28     | 28.48     | 96.97     | 0.3209 | 0.1541 | 0.5249 | 272.7    | -1 544c          | 28 544           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 354.9    | 44 623           | 17 487           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 48.6     | 34 570           | 14 470           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 120.7    | 21 508           | -1 508c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 227.2    | 14 471           | 34 570           |

5-000030-L0

TN480-1N\_1

Device and elementary colours of the sRGB colour space for D65,  $Y_w=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 21.26     | 21.02     | 8.48      | 22.67    | 1.9393 | -0.0363 | 21.9     | 41 606           | 17 486           |
| $Y_{d,sRGB}$ | 92.78     | -11.18    | 34.87     | 36.62    | 0.8298 | -0.0597 | 107.7    | 33 565           | 13 467           |
| $G_{d,sRGB}$ | 71.51     | -32.21    | 26.38     | 41.63    | 0.4999 | -0.0666 | 140.6    | 29 545           | -1 545c          |
| $C_{d,sRGB}$ | 78.73     | -21.02    | -8.48     | 22.67    | 0.6833 | -0.5433 | 201.9    | 17 486           | 43 618           |
| $B_{d,sRGB}$ | 7.21      | 11.18     | -34.87    | 36.62    | 2.4999 | -5.2665 | 287.7    | 11 458           | 32 562           |
| $M_{d,sRGB}$ | 28.48     | 32.21     | -26.38    | 41.63    | 2.0814 | -1.3618 | 320.6    | -1 533c          | 26 533           |
| $R_{e,sRGB}$ | 19.19     | 19.19     | 5.78      | 20.04    | 1.9502 | -0.1343 | 16.7     | 44 621           | 17 487           |
| $Y_{e,sRGB}$ | 63.38     | -1.43     | 23.95     | 23.99    | 0.9278 | -0.0576 | 93.4     | 34 570           | 14 474           |
| $G_{e,sRGB}$ | 66.27     | -24.01    | 9.26      | 25.74    | 0.5881 | -0.2957 | 158.8    | 23 518           | -1 518c          |
| $B_{e,sRGB}$ | 27.25     | 0.51      | -23.2     | 23.2     | 0.9694 | -1.2869 | 271.2    | 14 470           | 33 567           |

5-000030-L0

TN480-3N\_1

Device and elementary colours of the sRGB colour space for D65,  $Y_w=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 53.24       | 80.07       | 67.12       | 104.48     | 0.2732 | -0.0376 | 39.9     | -1 479c            | 15 479             |
| $Y_{d,sRGB}$ | 97.14       | -21.55      | 94.46       | 96.88      | 0.2058 | -0.0444 | 102.8    | 32 562             | 14 470             |
| $G_{d,sRGB}$ | 87.74       | -86.16      | 83.16       | 119.75     | 0.1738 | -0.046  | 136.0    | 27 536             | 9 449              |
| $C_{d,sRGB}$ | 91.11       | -48.07      | -14.12      | 50.11      | 0.1929 | -0.0927 | 196.3    | 16 484             | -1 484c            |
| $B_{d,sRGB}$ | 32.32       | 79.14       | -107.82     | 133.75     | 0.2971 | -0.1976 | 306.2    | 12 461             | 28 544             |
| $M_{d,sRGB}$ | 60.33       | 98.22       | -60.82      | 115.52     | 0.2796 | -0.1259 | 328.2    | -1 524c            | 24 524             |
| $R_{e,sRGB}$ | 50.92       | 78.06       | 37.4        | 86.56      | 0.2737 | -0.0582 | 25.5     | -1 481c            | 16 481             |
| $Y_{e,sRGB}$ | 83.64       | -3.43       | 84.22       | 84.29      | 0.2136 | -0.0439 | 92.3     | 33 569             | 14 472             |
| $G_{e,sRGB}$ | 85.14       | -64.44      | 21.1        | 67.81      | 0.1835 | -0.0757 | 161.8    | 22 512             | -1 512c            |
| $B_{e,sRGB}$ | 59.21       | 2.14        | -56.39      | 56.43      | 0.2168 | -0.1236 | 272.1    | 14 472             | 33 569             |

5-000030-L0

TN480-5N\_1

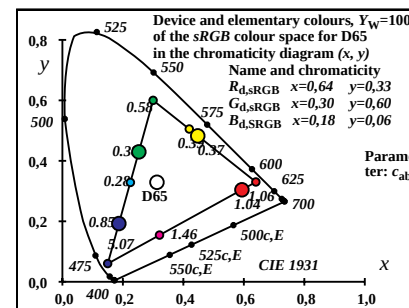
Device and elementary colours of the sRGB colour space for D65,  $Y_w=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 53.24       | 80.09       | 67.2        | 104.55     | 0.2732 | -0.0376 | 39.9     | -1 479c            | 15 479             |
| $Y_{d,sRGB}$ | 97.14       | -21.55      | 94.48       | 96.9       | 0.2059 | -0.0444 | 102.8    | 32 562             | 14 470             |
| $G_{d,sRGB}$ | 87.74       | -86.18      | 83.18       | 119.77     | 0.1739 | -0.046  | 136.0    | 27 536             | 9 449              |
| $C_{d,sRGB}$ | 91.11       | -48.08      | -14.12      | 50.11      | 0.1929 | -0.0927 | 196.3    | 16 484             | -1 484c            |
| $B_{d,sRGB}$ | 32.32       | 79.19       | -107.85     | 133.8      | 0.2972 | -0.1976 | 306.2    | 12 461             | 28 544             |
| $M_{d,sRGB}$ | 60.33       | 98.23       | -60.82      | 115.54     | 0.2797 | -0.1259 | 328.2    | -1 524c            | 24 524             |
| $R_{e,sRGB}$ | 50.92       | 78.08       | 37.42       | 86.59      | 0.2737 | -0.0582 | 25.6     | -1 481c            | 16 481             |
| $Y_{e,sRGB}$ | 83.64       | -3.43       | 84.24       | 84.31      | 0.2137 | -0.0439 | 92.3     | 33 569             | 14 472             |
| $G_{e,sRGB}$ | 85.14       | -64.45      | 21.11       | 67.82      | 0.1835 | -0.0757 | 161.8    | 22 512             | -1 512c            |
| $B_{e,sRGB}$ | 59.21       | 2.14        | -56.4       | 56.44      | 0.2168 | -0.1236 | 272.1    | 14 472             | 33 569             |

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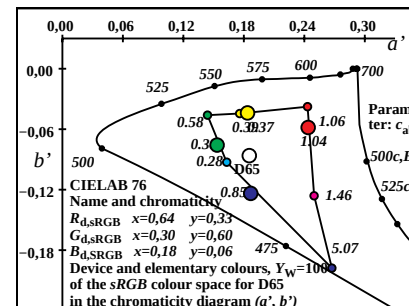
TN480-7N\_1

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



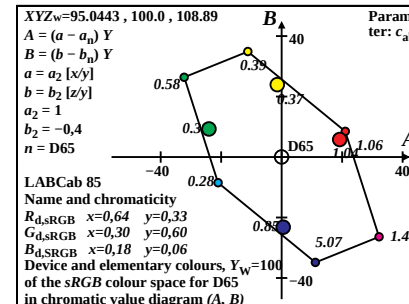
5-000030-L0

TN481-1N\_1



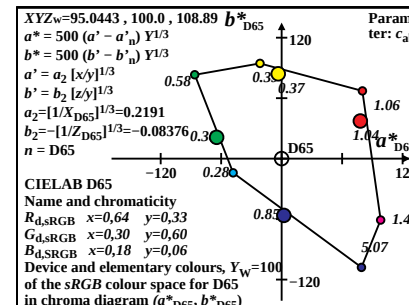
5-000030-L0

TN481-3N\_1



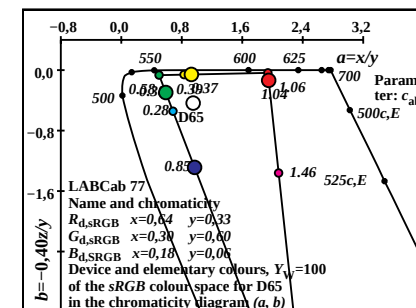
5-000030-L0

TN481-5N\_1



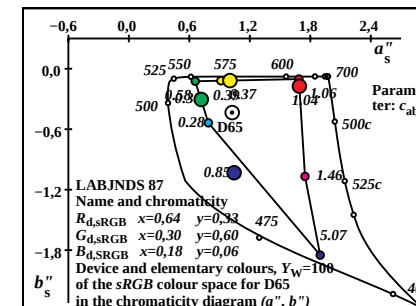
5-000030-L0

TN481-7N\_1



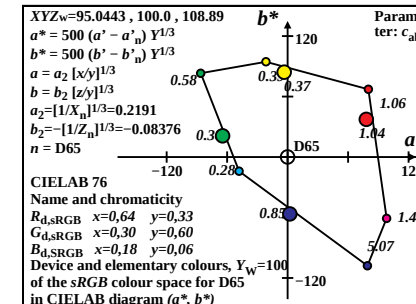
5-000030-L0

TN481-2N\_1



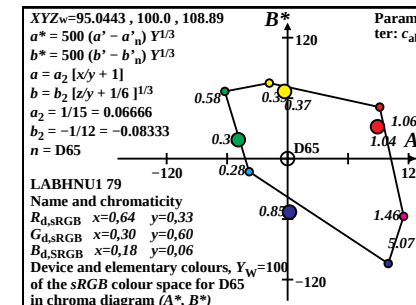
5-000030-L0

TN481-4N\_1



5-000030-L0

TN481-6N\_1



5-000030-L0

TN481-8N\_1

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for D50, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 48.51     | 25.01     | 2.27      | 0.64   | 0.3299 | 0.03   | 354.4    | 41 607           | 17 489           |  |
| $Y_{d,sRGB}$                                                              | 83.39     | 94.79     | 13.9      | 0.4341 | 0.4934 | 0.0723 | 56.7     | 33 567           | 11 459           |  |
| $G_{d,sRGB}$                                                              | 34.88     | 69.77     | 11.62     | 0.3    | 0.6    | 0.0999 | 100.6    | 28 541           | -1 541c          |  |
| $C_{d,sRGB}$                                                              | 47.91     | 74.98     | 80.22     | 0.2358 | 0.3691 | 0.3949 | 174.4    | 17 489           | 41 607           |  |
| $B_{d,sRGB}$                                                              | 13.02     | 5.2       | 68.59     | 0.1499 | 0.0599 | 0.7899 | 236.7    | 11 459           | 33 567           |  |
| $M_{d,sRGB}$                                                              | 61.53     | 30.22     | 70.86     | 0.3783 | 0.1858 | 0.4357 | 280.7    | -1 541c          | 28 541           |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 347.6    | 48 641           | 18 490           |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 50.5     | 33 569           | 13 468           |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 142.5    | 19 498           | -1 498c          |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 226.2    | 14 472           | 34 571           |  |

5-000130-L0

TN480-1N\_2

| Device and elementary colours of the sRGB colour space for D50, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 25.01     | 24.39     | 7.34      | 25.47    | 1.9393 | -0.0363 | 16.7     | 41 609           | 18 491           |  |
| $Y_{d,sRGB}$                                                              | 94.79     | -8.0      | 25.71     | 26.93    | 0.8798 | -0.0586 | 107.2    | 33 567           | 12 464           |  |
| $G_{d,sRGB}$                                                              | 69.77     | -32.39    | 18.37     | 37.24    | 0.4999 | -0.0666 | 150.4    | 27 539           | -1 539c          |  |
| $C_{d,sRGB}$                                                              | 74.98     | -24.39    | -7.34     | 25.47    | 0.6389 | -0.4279 | 196.7    | 17 486           | 37 585           |  |
| $B_{d,sRGB}$                                                              | 5.2       | 8.0       | -25.71    | 26.93    | 2.4999 | -5.2665 | 287.2    | 11 459           | 33 566           |  |
| $M_{d,sRGB}$                                                              | 30.22     | 32.39     | -18.37    | 37.24    | 2.036  | -0.9379 | 330.4    | -1 549c          | 29 549           |  |
| $R_{e,sRGB}$                                                              | 19.19     | 18.92     | 3.75      | 19.29    | 1.9502 | -0.1343 | 11.2     | -1 493c          | 18 493           |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -2.3      | 17.26     | 17.41    | 0.9278 | -0.0576 | 97.6     | 34 570           | 14 472           |  |
| $G_{e,sRGB}$                                                              | 66.27     | -24.92    | 2.26      | 25.03    | 0.5881 | -0.2957 | 174.7    | 18 494           | -1 494c          |  |
| $B_{e,sRGB}$                                                              | 27.25     | 0.14      | -26.07    | 26.07    | 0.9694 | -1.2869 | 270.3    | 14 471           | 33 569           |  |

5-000130-L0

TN480-3N\_2

| Device and elementary colours of the sRGB colour space for D50, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 57.09       | 82.61       | 65.54       | 105.45     | 0.2732 | -0.0376 | 38.4     | -1 480c            | 16 480             |  |
| $Y_{d,sRGB}$                                                              | 97.95       | -14.77      | 85.97       | 87.23      | 0.2099 | -0.0441 | 99.7     | 33 565             | 14 470             |  |
| $G_{d,sRGB}$                                                              | 86.89       | -87.17      | 73.28       | 113.89     | 0.1738 | -0.046  | 139.9    | 27 536             | 6 433              |  |
| $C_{d,sRGB}$                                                              | 89.39       | -58.21      | -16.44      | 60.49      | 0.1886 | -0.0856 | 195.7    | 17 485             | -1 485c            |  |
| $B_{d,sRGB}$                                                              | 27.35       | 69.74       | -113.33     | 133.07     | 0.2971 | -0.1976 | 301.6    | 12 463             | 30 550             |  |
| $M_{d,sRGB}$                                                              | 61.85       | 94.91       | -55.89      | 110.15     | 0.2776 | -0.1112 | 329.5    | -1 527c            | 25 527             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 76.31       | 29.85       | 81.94      | 0.2737 | -0.0582 | 21.3     | -1 483c            | 16 483             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -5.47       | 75.74       | 75.93      | 0.2136 | -0.0439 | 94.1     | 33 569             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -66.22      | 6.25        | 66.52      | 0.1835 | -0.0757 | 174.6    | 20 502             | -1 502c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | 0.58        | -74.42      | 74.43      | 0.2168 | -0.1236 | 270.4    | 14 472             | 34 571             |  |

5-000130-L0

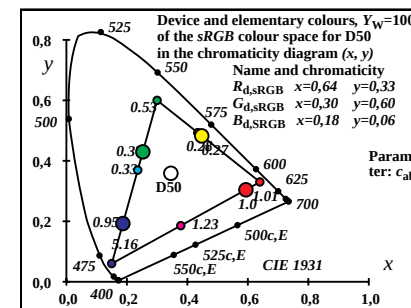
TN480-5N\_2

| Device and elementary colours of the sRGB colour space for D50, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 57.09       | 83.03       | 59.8        | 102.32     | 0.2732 | -0.0376 | 35.7     | -1 480c            | 16 480             |  |
| $Y_{d,sRGB}$                                                              | 97.95       | -14.84      | 78.39       | 79.78      | 0.2099 | -0.0441 | 100.7    | 33 565             | 14 470             |  |
| $G_{d,sRGB}$                                                              | 86.89       | -87.61      | 66.82       | 110.18     | 0.1739 | -0.046  | 142.6    | 26 533             | -1 533c            |  |
| $C_{d,sRGB}$                                                              | 89.39       | -58.5       | -14.99      | 60.39      | 0.1887 | -0.0856 | 194.3    | 17 486             | -1 486c            |  |
| $B_{d,sRGB}$                                                              | 27.35       | 70.13       | -103.35     | 124.9      | 0.2972 | -0.1976 | 304.1    | 12 461             | 29 549             |  |
| $M_{d,sRGB}$                                                              | 61.85       | 95.39       | -50.96      | 108.15     | 0.2776 | -0.1112 | 331.8    | -1 525c            | 25 525             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 76.7        | 27.22       | 81.39      | 0.2737 | -0.0582 | 19.5     | -1 484c            | 16 484             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -5.5        | 69.06       | 69.28      | 0.2137 | -0.0439 | 94.5     | 33 568             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -66.55      | 5.69        | 66.79      | 0.1835 | -0.0757 | 175.1    | 20 501             | -1 501c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | 0.58        | -67.85      | 67.86      | 0.2168 | -0.1236 | 270.4    | 14 472             | 34 571             |  |

5-000130-L0

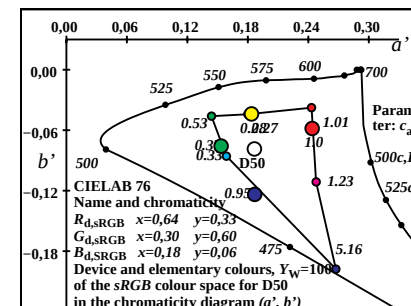
TN480-7N\_2

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



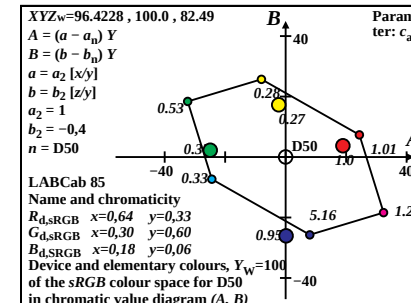
5-000130-L0

TN481-1N\_2



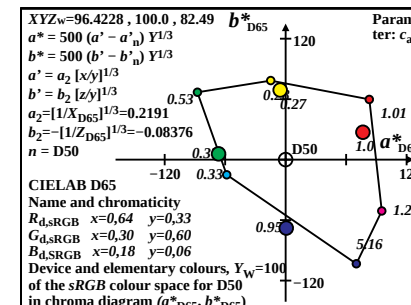
5-000130-L0

TN481-3N\_2



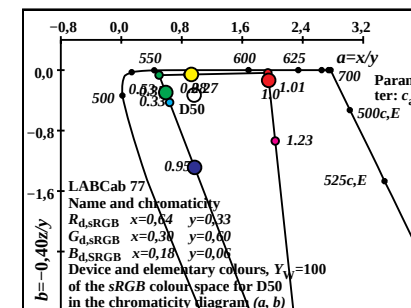
5-000130-L0

TN481-5N\_2



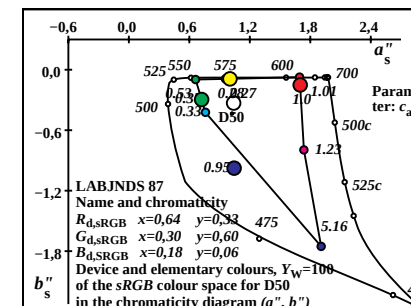
5-000130-L0

TN481-7N\_2



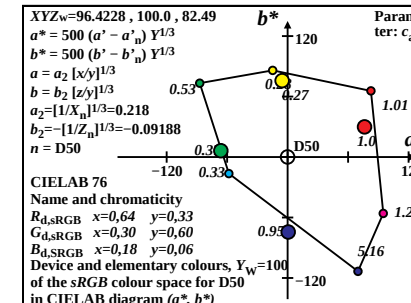
5-000130-L0

TN481-2N\_2



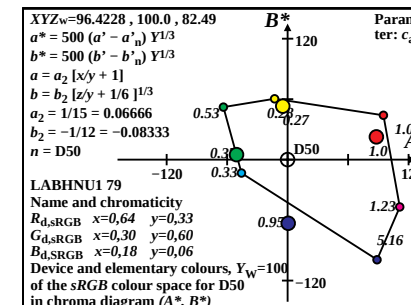
5-000130-L0

TN481-4N\_2



5-000130-L0

TN481-6N\_2



5-000130-L0

TN481-8N\_2

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared



| Device and elementary colours of the sRGB colour space for A00, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|--|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |  |  |
| $R_{d,sRGB}$                                                              | 76.1      | 39.23     | 3.56      | 0.64   | 0.33   | 0.03   | 338.0    | 42 614           | 19 496           |  |  |  |
| $Y_{d,sRGB}$                                                              | 105.63    | 98.31     | 13.41     | 0.4859 | 0.4523 | 0.0617 | 49.3     | 35 575           | 12 460           |  |  |  |
| $G_{d,sRGB}$                                                              | 29.53     | 59.07     | 9.84      | 0.3    | 0.6    | 0.0999 | 127.4    | 24 522           | -1 522c          |  |  |  |
| $C_{d,sRGB}$                                                              | 33.74     | 60.76     | 32.01     | 0.2667 | 0.4802 | 0.253  | 158.0    | 19 496           | 42 614           |  |  |  |
| $B_{d,sRGB}$                                                              | 4.2       | 1.68      | 22.16     | 0.15   | 0.06   | 0.79   | 229.4    | 12 460           | 35 575           |  |  |  |
| $M_{d,sRGB}$                                                              | 80.31     | 40.92     | 25.73     | 0.5464 | 0.2784 | 0.1751 | 307.4    | -1 522c          | 24 522           |  |  |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 324.7    | -1 503c          | 20 503           |  |  |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 89.7     | 33 565           | -1 565c          |  |  |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 173.4    | 18 491           | 38 591           |  |  |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 219.4    | 14 473           | 35 577           |  |  |  |

5-000330-L0

TN480-1N\_4

| Device and elementary colours of the sRGB colour space for A00, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|--|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |  |  |
| $R_{d,sRGB}$                                                              | 39.23     | 32.99     | 4.15      | 33.25    | 1.9393 | -0.0363 | 7.1      | -1 597c          | 39 597           |  |  |  |
| $Y_{d,sRGB}$                                                              | 98.31     | -2.35     | 8.62      | 8.94     | 1.0744 | -0.0545 | 105.2    | 16 482           | 35 577           |  |  |  |
| $G_{d,sRGB}$                                                              | 59.07     | -35.35    | 4.46      | 35.63    | 0.4999 | -0.0666 | 172.7    | 20 500           | 32 562           |  |  |  |
| $C_{d,sRGB}$                                                              | 60.76     | -32.99    | -4.15     | 33.25    | 0.5554 | -0.2107 | 187.1    | 18 491           | 34 571           |  |  |  |
| $B_{d,sRGB}$                                                              | 1.68      | 2.35      | -8.62     | 8.94     | 2.4998 | -5.2663 | 285.2    | 12 461           | 36 580           |  |  |  |
| $M_{d,sRGB}$                                                              | 40.92     | 35.35     | -4.46     | 35.63    | 1.9624 | -0.2515 | 352.7    | -1 587c          | 37 587           |  |  |  |
| $R_{e,sRGB}$                                                              | 19.19     | 16.34     | 0.15      | 16.34    | 1.9502 | -0.1343 | 0.5      | -1 590c          | 38 590           |  |  |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -10.81    | 5.36      | 12.07    | 0.9278 | -0.0576 | 153.6    | 17 488           | 34 573           |  |  |  |
| $G_{e,sRGB}$                                                              | 66.27     | -33.82    | -10.16    | 35.32    | 0.5881 | -0.2957 | 196.7    | 17 488           | 34 573           |  |  |  |
| $B_{e,sRGB}$                                                              | 27.25     | -3.51     | -31.19    | 31.39    | 0.9694 | -1.2869 | 263.5    | 14 474           | 35 579           |  |  |  |

5-000330-L0

TN480-3N\_4

| Device and elementary colours of the sRGB colour space for A00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |  |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|--|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |  |  |
| $R_{d,sRGB}$                                                              | 68.93       | 76.35       | 53.49       | 93.23      | 0.2732 | -0.0376 | 35.0     | -1 482c            | 16 482             |  |  |  |
| $Y_{d,sRGB}$                                                              | 99.34       | -3.64       | 54.38       | 54.51      | 0.2243 | -0.0431 | 93.8     | 34 574             | 14 470             |  |  |  |
| $G_{d,sRGB}$                                                              | 81.33       | -96.79      | 37.48       | 103.8      | 0.1738 | -0.046  | 158.8    | 26 531             | -1 531c            |  |  |  |
| $C_{d,sRGB}$                                                              | 82.25       | -86.09      | -23.68      | 89.29      | 0.18   | -0.0676 | 195.3    | 17 488             | -1 488c            |  |  |  |
| $B_{d,sRGB}$                                                              | 13.79       | 40.3        | -119.46     | 126.08     | 0.2971 | -0.1976 | 288.6    | 13 466             | 33 568             |  |  |  |
| $M_{d,sRGB}$                                                              | 70.12       | 79.2        | -31.03      | 85.06      | 0.2742 | -0.0717 | 338.6    | -1 531c            | 26 531             |  |  |  |
| $R_{e,sRGB}$                                                              | 50.92       | 60.8        | 2.2         | 60.84      | 0.2737 | -0.0582 | 2.0      | -1 500c            | 20 500             |  |  |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -23.5       | 44.68       | 50.48      | 0.2136 | -0.0439 | 117.7    | 32 563             | 12 462             |  |  |  |
| $G_{e,sRGB}$                                                              | 85.14       | -81.94      | -48.13      | 95.03      | 0.1835 | -0.0757 | 210.4    | 16 483             | -1 483c            |  |  |  |
| $B_{e,sRGB}$                                                              | 59.21       | -13.22      | -140.46     | 141.08     | 0.2168 | -0.1236 | 264.6    | 14 472             | 35 578             |  |  |  |

5-000330-L0

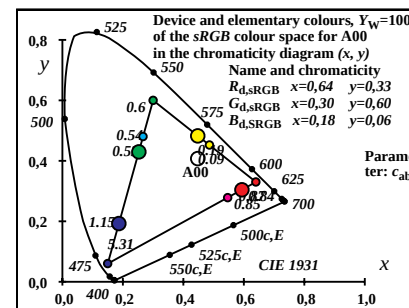
TN480-5N\_4

| Device and elementary colours of the sRGB colour space for A00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |  |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|--|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |  |  |
| $R_{d,sRGB}$                                                              | 68.93       | 80.14       | 36.85       | 88.21      | 0.2732 | -0.0376 | 24.6     | -1 485c            | 17 485             |  |  |  |
| $Y_{d,sRGB}$                                                              | 99.34       | -3.82       | 37.46       | 37.66      | 0.2244 | -0.0431 | 95.8     | 34 574             | 13 469             |  |  |  |
| $G_{d,sRGB}$                                                              | 81.33       | -101.6      | 25.82       | 104.83     | 0.1739 | -0.046  | 165.7    | 24 522             | -1 522c            |  |  |  |
| $C_{d,sRGB}$                                                              | 82.25       | -90.36      | -16.31      | 91.82      | 0.1801 | -0.0676 | 190.2    | 18 491             | -1 491c            |  |  |  |
| $B_{d,sRGB}$                                                              | 13.79       | 42.41       | -82.34      | 92.62      | 0.2972 | -0.1976 | 297.2    | 12 462             | 32 563             |  |  |  |
| $M_{d,sRGB}$                                                              | 70.12       | 83.13       | -21.38      | 85.83      | 0.2743 | -0.0717 | 345.5    | -1 522c            | 24 522             |  |  |  |
| $R_{e,sRGB}$                                                              | 50.92       | 63.82       | 1.52        | 63.84      | 0.2737 | -0.0582 | 1.3      | -1 501c            | 20 501             |  |  |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -24.66      | 30.78       | 39.44      | 0.2137 | -0.0439 | 128.7    | 31 557             | 10 452             |  |  |  |
| $G_{e,sRGB}$                                                              | 85.14       | -86.0       | -33.15      | 92.18      | 0.1835 | -0.0757 | 201.0    | 17 486             | -1 486c            |  |  |  |
| $B_{e,sRGB}$                                                              | 59.21       | -13.88      | -96.75      | 97.74      | 0.2168 | -0.1236 | 261.8    | 14 472             | 36 580             |  |  |  |

5-000330-L0

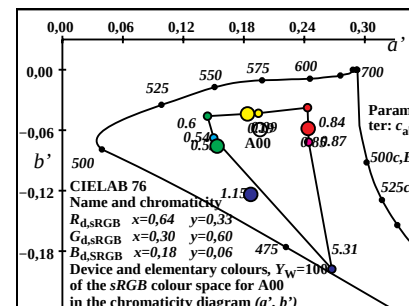
TN480-7N\_4

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



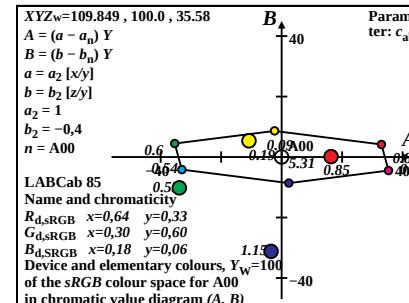
5-000330-L0

TN481-1N\_4



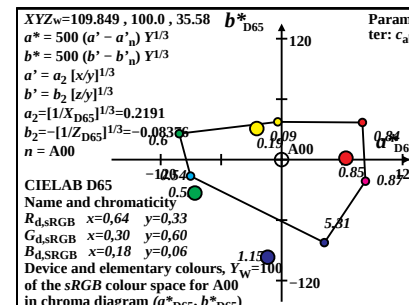
5-000330-L0

TN481-3N\_4



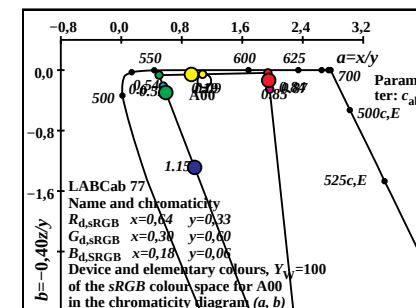
5-000330-L0

TN481-5N\_4



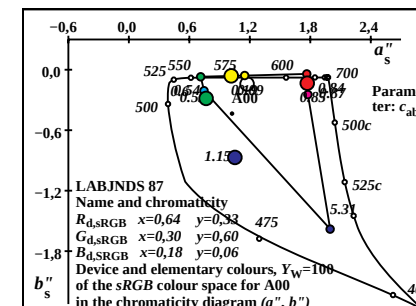
5-000330-L0

TN481-7N\_4



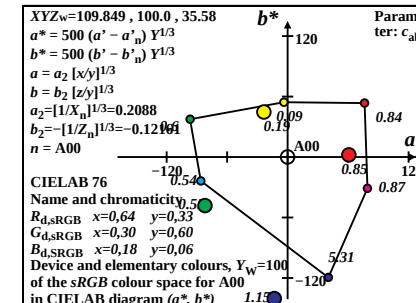
5-000330-L0

TN481-2N\_4



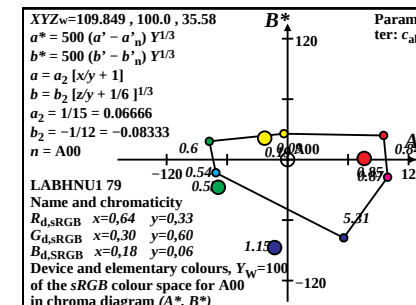
5-000330-L0

TN481-4N\_4



5-000330-L0

TN481-6N\_4



5-000330-L0

TN481-8N\_4

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for E00, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 49.69     | 25.62     | 2.32      | 0.64   | 0.33   | 0.03   | 359.3    | 41 606           | 17 486           |  |
| $Y_{d,sRGB}$                                                              | 83.6      | 93.44     | 13.63     | 0.4384 | 0.49   | 0.0714 | 56.1     | 33 568           | 11 459           |  |
| $G_{d,sRGB}$                                                              | 33.9      | 67.81     | 11.3      | 0.3    | 0.6    | 0.0999 | 97.1     | 28 542           | -1 542c          |  |
| $C_{d,sRGB}$                                                              | 50.3      | 74.37     | 97.67     | 0.2262 | 0.3344 | 0.4392 | 179.3    | 17 486           | 41 606           |  |
| $B_{d,sRGB}$                                                              | 16.39     | 6.55      | 86.36     | 0.15   | 0.06   | 0.7899 | 236.1    | 11 459           | 33 568           |  |
| $M_{d,sRGB}$                                                              | 66.09     | 32.18     | 88.69     | 0.3534 | 0.1721 | 0.4743 | 277.1    | -1 542c          | 28 542           |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 353.6    | 45 625           | 17 488           |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 52.4     | 33 569           | 13 465           |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 129.9    | 20 503           | -1 503c          |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 223.8    | 14 472           | 34 573           |  |

5-000430-L0

TN480-1N\_5

| Device and elementary colours of the sRGB colour space for E00, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 25.62     | 24.06     | 9.31      | 25.81    | 1.9393 | -0.0363 | 21.1     | 41 606           | 17 486           |  |
| $Y_{d,sRGB}$                                                              | 93.44     | -9.83     | 31.92     | 33.4     | 0.8947 | -0.0583 | 107.1    | 33 568           | 11 459           |  |
| $G_{d,sRGB}$                                                              | 67.81     | -33.9     | 22.6      | 40.75    | 0.4999 | -0.0666 | 146.3    | 28 542           | -1 542c          |  |
| $C_{d,sRGB}$                                                              | 74.37     | -24.06    | -9.31     | 25.81    | 0.6763 | -0.5252 | 201.1    | 17 486           | 41 606           |  |
| $B_{d,sRGB}$                                                              | 6.55      | 9.83      | -31.92    | 33.4     | 2.4999 | -5.2665 | 287.1    | 11 459           | 33 568           |  |
| $M_{d,sRGB}$                                                              | 32.18     | 33.9      | -22.6     | 40.75    | 2.0536 | -1.1024 | 326.3    | -1 542c          | 28 542           |  |
| $R_{e,sRGB}$                                                              | 19.19     | 18.23     | 5.09      | 18.93    | 1.9502 | -0.1343 | 15.6     | 45 625           | 17 488           |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -4.57     | 21.7      | 22.17    | 0.9278 | -0.0576 | 101.9    | 33 569           | 13 465           |  |
| $G_{e,sRGB}$                                                              | 66.27     | -27.29    | 6.9       | 28.16    | 0.5881 | -0.2957 | 165.7    | 20 503           | -1 503c          |  |
| $B_{e,sRGB}$                                                              | 27.25     | -0.83     | -24.17    | 24.18    | 0.9694 | -1.2869 | 268.0    | 14 472           | 34 573           |  |

5-000430-L0

TN480-3N\_5

| Device and elementary colours of the sRGB colour space for E00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 57.68       | 78.44       | 69.84       | 105.03     | 0.2732 | -0.0376 | 41.6     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 97.41       | -17.79      | 92.57       | 94.27      | 0.2111 | -0.044  | 100.8    | 33 565             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 85.92       | -90.61      | 78.99       | 120.21     | 0.1738 | -0.046  | 138.9    | 27 535             | 7 439              |  |
| $C_{d,sRGB}$                                                              | 89.1        | -55.35      | -17.22      | 57.96      | 0.1923 | -0.0917 | 197.2    | 16 483             | -1 483c            |  |
| $B_{d,sRGB}$                                                              | 30.8        | 71.98       | -109.77     | 131.26     | 0.2971 | -0.1976 | 303.2    | 12 462             | 29 549             |  |
| $M_{d,sRGB}$                                                              | 63.5        | 92.87       | -55.09      | 107.98     | 0.2784 | -0.1174 | 329.3    | -1 525c            | 25 525             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 71.91       | 35.15       | 80.04      | 0.2737 | -0.0582 | 26.0     | -1 481c            | 16 481             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -10.59      | 81.7        | 82.38      | 0.2136 | -0.0439 | 97.3     | 33 568             | 14 470             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -70.68      | 16.69       | 72.63      | 0.1835 | -0.0757 | 166.7    | 21 508             | -1 508c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -3.33       | -61.74      | 61.83      | 0.2168 | -0.1236 | 266.9    | 14 472             | 35 575             |  |

5-000430-L0

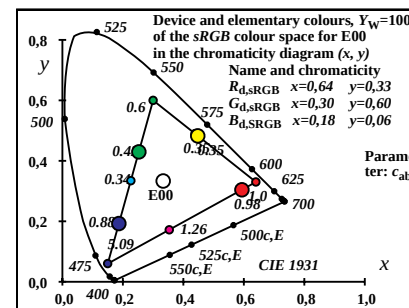
TN480-5N\_5

| Device and elementary colours of the sRGB colour space for E00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 57.68       | 79.8        | 67.95       | 104.81     | 0.2732 | -0.0376 | 40.4     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 97.41       | -18.1       | 90.0        | 91.8       | 0.2111 | -0.044  | 101.3    | 33 565             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 85.92       | -92.17      | 76.8        | 119.98     | 0.1739 | -0.046  | 140.1    | 26 534             | 6 434              |  |
| $C_{d,sRGB}$                                                              | 89.1        | -56.3       | -16.74      | 58.74      | 0.1923 | -0.0917 | 196.5    | 16 484             | -1 484c            |  |
| $B_{d,sRGB}$                                                              | 30.8        | 73.26       | -106.73     | 129.45     | 0.2972 | -0.1976 | 304.4    | 12 461             | 29 548             |  |
| $M_{d,sRGB}$                                                              | 63.5        | 94.47       | -53.56      | 108.6      | 0.2784 | -0.1174 | 330.4    | -1 524c            | 24 524             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 73.15       | 34.19       | 80.75      | 0.2737 | -0.0582 | 25.0     | -1 481c            | 16 481             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -10.77      | 79.44       | 80.16      | 0.2137 | -0.0439 | 97.7     | 33 567             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -71.9       | 16.22       | 73.71      | 0.1835 | -0.0757 | 167.2    | 21 508             | -1 508c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -3.39       | -60.02      | 60.12      | 0.2168 | -0.1236 | 266.7    | 14 472             | 35 575             |  |

5-000430-L0

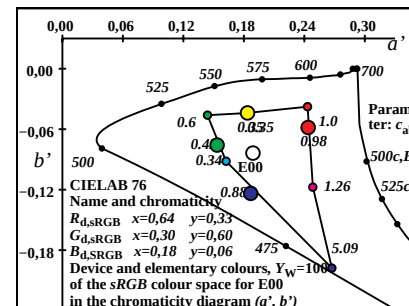
TN480-7N\_5

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



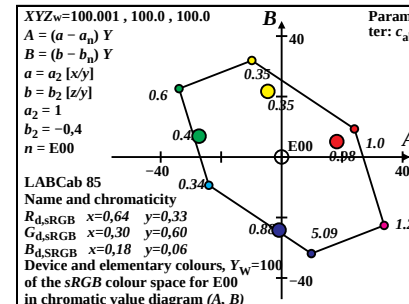
5-000430-L0

TN481-1N\_5



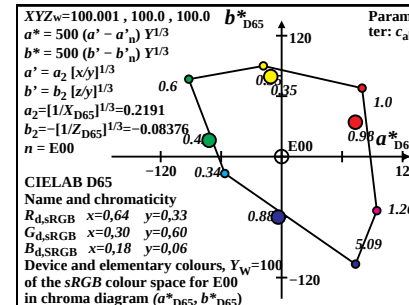
5-000430-L0

TN481-3N\_5



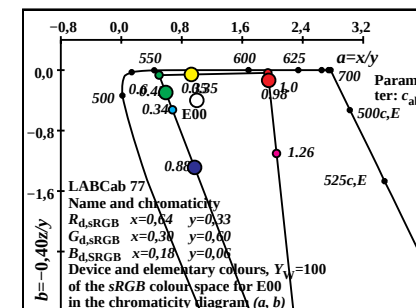
5-000430-L0

TN481-5N\_5



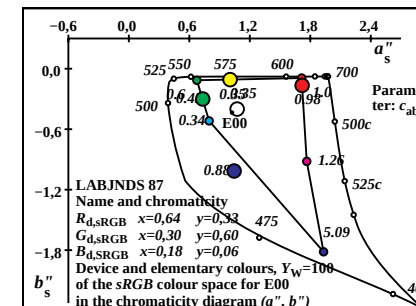
5-000430-L0

TN481-7N\_5



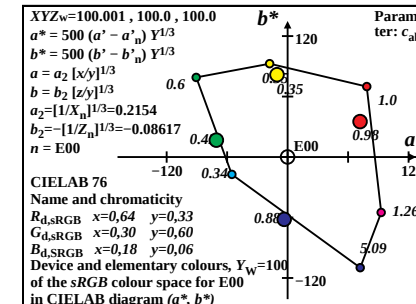
5-000430-L0

TN481-2N\_5



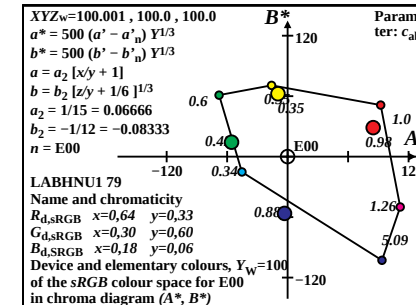
5-000430-L0

TN481-4N\_5



5-000430-L0

TN481-6N\_5



5-000430-L0

TN481-8N\_5

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for C00, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 43.36     | 22.36     | 2.03      | 0.64   | 0.33   | 0.03   | 2.4      | 41 605           | 17 485           |  |
| $Y_{d,sRGB}$                                                              | 78.21     | 92.05     | 13.64     | 0.4252 | 0.5005 | 0.0742 | 57.9     | 33 566           | 11 459           |  |
| $G_{d,sRGB}$                                                              | 34.84     | 69.69     | 11.61     | 0.3    | 0.6    | 0.0999 | 92.0     | 28 544           | -1 544c          |  |
| $C_{d,sRGB}$                                                              | 54.7      | 77.63     | 116.19    | 0.2201 | 0.3123 | 0.4675 | 182.4    | 17 485           | 41 605           |  |
| $B_{d,sRGB}$                                                              | 19.85     | 7.94      | 104.57    | 0.1499 | 0.0599 | 0.7899 | 238.0    | 11 459           | 33 566           |  |
| $M_{d,sRGB}$                                                              | 63.22     | 30.3      | 106.6     | 0.3159 | 0.1514 | 0.5326 | 272.0    | -1 544c          | 28 544           |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 357.6    | 43 619           | 17 486           |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 50.3     | 34 570           | 13 468           |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 116.7    | 22 512           | -1 512c          |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 225.0    | 14 472           | 34 572           |  |

5-000530-L0

TN480-1N\_6

| Device and elementary colours of the sRGB colour space for C00, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 22.36     | 21.43     | 9.76      | 23.55    | 1.9393 | -0.0363 | 24.4     | 41 605           | 16 484           |  |
| $Y_{d,sRGB}$                                                              | 92.05     | -12.06    | 38.07     | 39.94    | 0.8496 | -0.0593 | 107.5    | 33 566           | 13 465           |  |
| $G_{d,sRGB}$                                                              | 69.69     | -33.5     | 28.31     | 43.86    | 0.4999 | -0.0666 | 139.8    | 29 545           | -1 545c          |  |
| $C_{d,sRGB}$                                                              | 77.63     | -21.43    | -9.76     | 23.55    | 0.7046 | -0.5986 | 204.4    | 17 487           | -1 487c          |  |
| $B_{d,sRGB}$                                                              | 7.94      | 12.06     | -38.07    | 39.94    | 2.4999 | -5.2666 | 287.5    | 11 459           | 32 564           |  |
| $M_{d,sRGB}$                                                              | 30.3      | 33.5      | -28.31    | 43.86    | 2.0863 | -1.4072 | 319.8    | -1 531c          | 26 531           |  |
| $R_{e,sRGB}$                                                              | 19.19     | 18.6      | 6.49      | 19.71    | 1.9502 | -0.1343 | 19.2     | 43 616           | 17 485           |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -3.35     | 26.32     | 26.53    | 0.9278 | -0.0576 | 97.2     | 34 570           | 14 470           |  |
| $G_{e,sRGB}$                                                              | 66.27     | -26.02    | 11.74     | 28.54    | 0.5881 | -0.2957 | 155.7    | 24 523           | -1 523c          |  |
| $B_{e,sRGB}$                                                              | 27.25     | -0.3      | -22.18    | 22.18    | 0.9694 | -1.2869 | 269.2    | 14 472           | 34 571           |  |

5-000530-L0

TN480-3N\_6

| Device and elementary colours of the sRGB colour space for C00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{AB}$ | $a'$   | $b'$    | $h_{AB}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 54.41       | 77.42       | 69.69       | 104.17     | 0.2732 | -0.0376 | 41.9     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 96.84       | -22.71      | 97.15       | 99.77      | 0.2075 | -0.0443 | 103.1    | 32 562             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 86.85       | -89.15      | 85.01       | 123.18     | 0.1738 | -0.046  | 136.3    | 27 535             | 9 448              |  |
| $C_{d,sRGB}$                                                              | 90.61       | -47.95      | -15.02      | 50.25      | 0.1949 | -0.0957 | 197.3    | 16 483             | -1 483c            |  |
| $B_{d,sRGB}$                                                              | 33.88       | 78.63       | -105.98     | 131.97     | 0.2971 | -0.1976 | 306.5    | 12 461             | 28 544             |  |
| $M_{d,sRGB}$                                                              | 61.92       | 96.07       | -58.87      | 112.68     | 0.2799 | -0.1273 | 328.4    | -1 524c            | 24 524             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 74.25       | 39.5        | 84.11      | 0.2737 | -0.0582 | 28.0     | -1 480c            | 16 480             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -7.86       | 86.58       | 86.94      | 0.2136 | -0.0439 | 95.1     | 33 568             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -68.3       | 25.25       | 72.82      | 0.1835 | -0.0757 | 159.7    | 22 513             | -1 513c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -1.24       | -51.36      | 51.37      | 0.2168 | -0.1236 | 268.6    | 14 472             | 34 573             |  |

5-000530-L0

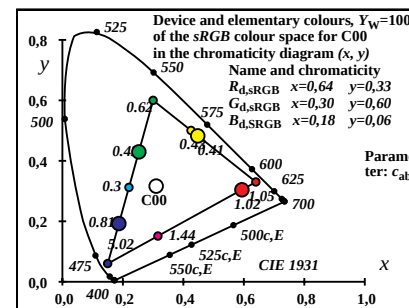
TN480-5N\_6

| Device and elementary colours of the sRGB colour space for C00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{AB}$ | $a'$   | $b'$    | $h_{AB}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 54.41       | 78.25       | 71.71       | 106.14     | 0.2732 | -0.0376 | 42.5     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 96.84       | -22.95      | 99.87       | 102.47     | 0.2075 | -0.0443 | 102.9    | 32 563             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 86.85       | -90.1       | 87.39       | 125.52     | 0.1739 | -0.046  | 135.8    | 27 536             | 9 449              |  |
| $C_{d,sRGB}$                                                              | 90.61       | -48.46      | -15.44      | 50.86      | 0.1949 | -0.0958 | 197.6    | 16 483             | -1 483c            |  |
| $B_{d,sRGB}$                                                              | 33.88       | 79.49       | -108.96     | 134.88     | 0.2972 | -0.1976 | 306.1    | 12 461             | 28 544             |  |
| $M_{d,sRGB}$                                                              | 61.92       | 97.1        | -60.52      | 114.41     | 0.2799 | -0.1273 | 328.0    | -1 524c            | 24 524             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 75.05       | 40.63       | 85.34      | 0.2737 | -0.0582 | 28.4     | -1 480c            | 16 480             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -7.94       | 89.02       | 89.37      | 0.2137 | -0.0439 | 95.1     | 33 568             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -69.03      | 25.95       | 73.75      | 0.1835 | -0.0757 | 159.3    | 22 513             | -1 513c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -1.26       | -52.79      | 52.81      | 0.2168 | -0.1236 | 268.6    | 14 472             | 34 573             |  |

5-000530-L0

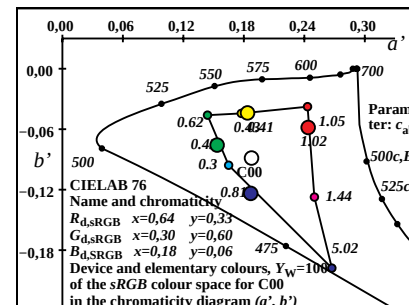
TN480-7N\_6

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



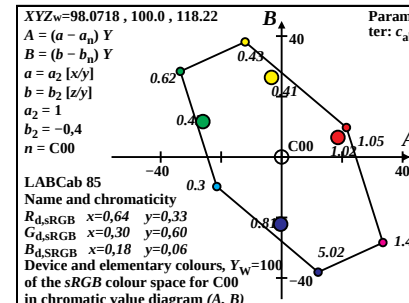
5-000530-L0

TN481-1N\_6



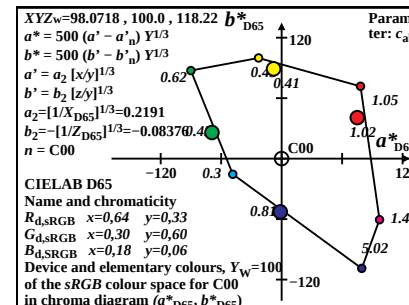
5-000530-L0

TN481-3N\_6



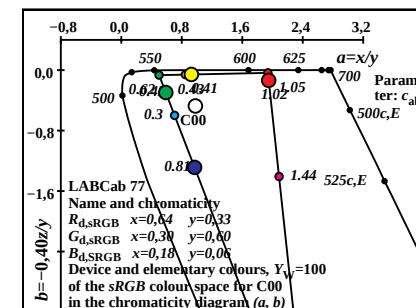
5-000530-L0

TN481-5N\_6



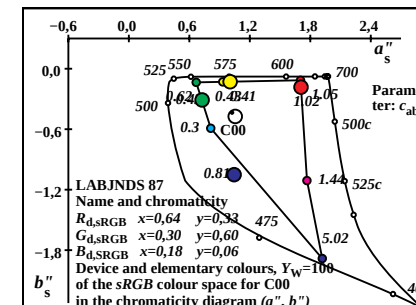
5-000530-L0

TN481-7N\_6



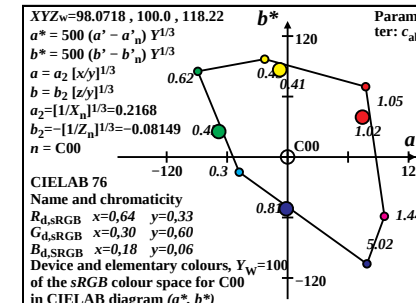
5-000530-L0

TN481-2N\_6



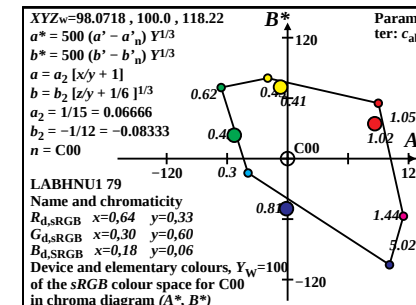
5-000530-L0

TN481-4N\_6



5-000530-L0

TN481-6N\_6



5-000530-L0

TN481-8N\_6

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for P00, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |  |
| $R_{d,sRGB}$                                                              | 56.34     | 29.05     | 2.64      | 0.64   | 0.33   | 0.03   | 355.2    | 41 607           | 17 488           |  |  |
| $Y_{d,sRGB}$                                                              | 89.26     | 94.87     | 13.61     | 0.4513 | 0.4797 | 0.0688 | 54.2     | 34 570           | 11 459           |  |  |
| $G_{d,sRGB}$                                                              | 32.91     | 65.82     | 10.97     | 0.3    | 0.6    | 0.0999 | 103.7    | 28 540           | -1 540c          |  |  |
| $C_{d,sRGB}$                                                              | 45.71     | 70.94     | 78.41     | 0.2343 | 0.3636 | 0.4019 | 175.2    | 17 488           | 41 607           |  |  |
| $B_{d,sRGB}$                                                              | 12.8      | 5.12      | 67.44     | 0.15   | 0.06   | 0.79   | 234.3    | 11 459           | 34 570           |  |  |
| $M_{d,sRGB}$                                                              | 69.15     | 34.17     | 70.09     | 0.3987 | 0.197  | 0.4041 | 283.8    | -1 540c          | 28 540           |  |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 348.1    | 47 639           | 18 490           |  |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 55.9     | 33 569           | 11 455           |  |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 144.6    | 19 497           | -1 497c          |  |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 222.7    | 14 472           | 34 574           |  |  |

5-000630-L0

TN480-1N\_7

| Device and elementary colours of the sRGB colour space for P00, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |  |
| $R_{d,sRGB}$                                                              | 29.05     | 26.69     | 8.36      | 27.97    | 1.9393 | -0.0363 | 17.3     | 41 608           | 18 491           |  |  |
| $Y_{d,sRGB}$                                                              | 94.87     | -7.57     | 25.31     | 26.42    | 0.9407 | -0.0573 | 106.6    | 33 569           | -1 569c          |  |  |
| $G_{d,sRGB}$                                                              | 65.82     | -34.27    | 16.95     | 38.23    | 0.4999 | -0.0666 | 153.6    | 27 536           | -1 536c          |  |  |
| $C_{d,sRGB}$                                                              | 70.94     | -26.69    | -8.36     | 27.97    | 0.6444 | -0.4421 | 197.3    | 17 487           | 38 590           |  |  |
| $B_{d,sRGB}$                                                              | 5.12      | 7.57      | -25.31    | 26.42    | 2.4999 | -5.2665 | 286.6    | 12 460           | 34 571           |  |  |
| $M_{d,sRGB}$                                                              | 34.17     | 34.27     | -16.95    | 38.23    | 2.0234 | -0.8203 | 333.6    | -1 556c          | 31 556           |  |  |
| $R_{e,sRGB}$                                                              | 19.19     | 17.84     | 3.64      | 18.21    | 1.9502 | -0.1343 | 11.5     | -1 493c          | 18 493           |  |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -5.88     | 16.89     | 17.89    | 0.9278 | -0.0576 | 109.2    | 33 568           | -1 568c          |  |  |
| $G_{e,sRGB}$                                                              | 66.27     | -28.66    | 1.88      | 28.73    | 0.5881 | -0.2957 | 176.2    | 18 494           | -1 494c          |  |  |
| $B_{e,sRGB}$                                                              | 27.25     | -1.39     | -26.23    | 26.27    | 0.9694 | -1.2869 | 266.9    | 14 473           | 35 575           |  |  |

5-000630-L0

TN480-3N\_7

| Device and elementary colours of the sRGB colour space for P00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |  |
| $R_{d,sRGB}$                                                              | 60.83       | 78.99       | 68.53       | 104.58     | 0.2732 | -0.0376 | 40.9     | -1 479c            | 15 479             |  |  |
| $Y_{d,sRGB}$                                                              | 97.98       | -13.16      | 86.17       | 87.17      | 0.2146 | -0.0438 | 98.6     | 33 568             | 14 470             |  |  |
| $G_{d,sRGB}$                                                              | 84.91       | -92.06      | 71.27       | 116.42     | 0.1738 | -0.046  | 142.2    | 27 535             | 2 412              |  |  |
| $C_{d,sRGB}$                                                              | 87.46       | -63.36      | -19.42      | 66.28      | 0.1892 | -0.0865 | 197.0    | 16 484             | -1 484c            |  |  |
| $B_{d,sRGB}$                                                              | 27.1        | 64.56       | -113.79     | 130.83     | 0.2971 | -0.1976 | 299.5    | 12 463             | 30 554             |  |  |
| $M_{d,sRGB}$                                                              | 65.11       | 89.55       | -50.69      | 102.91     | 0.277  | -0.1063 | 330.4    | -1 527c            | 25 527             |  |  |
| $R_{e,sRGB}$                                                              | 50.92       | 69.46       | 29.35       | 75.41      | 0.2737 | -0.0582 | 22.9     | -1 483c            | 16 483             |  |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -13.43      | 75.17       | 76.36      | 0.2136 | -0.0439 | 100.1    | 33 567             | 13 469             |  |  |
| $G_{e,sRGB}$                                                              | 85.14       | -73.16      | 5.26        | 73.35      | 0.1835 | -0.0757 | 175.8    | 20 501             | -1 501c            |  |  |
| $B_{e,sRGB}$                                                              | 59.21       | -5.51       | -75.62      | 75.82      | 0.2168 | -0.1236 | 265.8    | 14 472             | 35 576             |  |  |

5-000630-L0

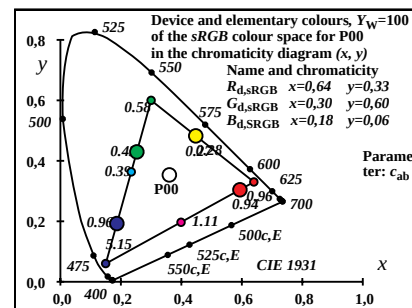
TN480-5N\_7

| Device and elementary colours of the sRGB colour space for P00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |  |
| $R_{d,sRGB}$                                                              | 60.83       | 80.91       | 62.15       | 102.03     | 0.2732 | -0.0376 | 37.5     | -1 479c            | 15 479             |  |  |
| $Y_{d,sRGB}$                                                              | 97.98       | -13.48      | 78.11       | 79.26      | 0.2147 | -0.0438 | 99.7     | 33 567             | 13 469             |  |  |
| $G_{d,sRGB}$                                                              | 84.91       | -94.28      | 64.61       | 114.3      | 0.1739 | -0.046  | 145.5    | 26 532             | -1 532c            |  |  |
| $C_{d,sRGB}$                                                              | 87.46       | -64.9       | -17.6       | 67.24      | 0.1892 | -0.0866 | 195.1    | 17 485             | -1 485c            |  |  |
| $B_{d,sRGB}$                                                              | 27.1        | 66.17       | -103.16     | 122.56     | 0.2972 | -0.1976 | 302.6    | 12 461             | 30 552             |  |  |
| $M_{d,sRGB}$                                                              | 65.11       | 91.72       | -45.95      | 102.59     | 0.2771 | -0.1064 | 333.3    | -1 524c            | 24 524             |  |  |
| $R_{e,sRGB}$                                                              | 50.92       | 71.15       | 26.61       | 75.96      | 0.2737 | -0.0582 | 20.5     | -1 483c            | 16 483             |  |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -13.76      | 68.15       | 69.52      | 0.2137 | -0.0439 | 101.4    | 33 566             | 13 469             |  |  |
| $G_{e,sRGB}$                                                              | 85.14       | -74.94      | 4.77        | 75.09      | 0.1835 | -0.0757 | 176.3    | 20 500             | -1 500c            |  |  |
| $B_{e,sRGB}$                                                              | 59.21       | -5.65       | -68.54      | 68.78      | 0.2168 | -0.1236 | 265.2    | 14 472             | 35 576             |  |  |

5-000630-L0

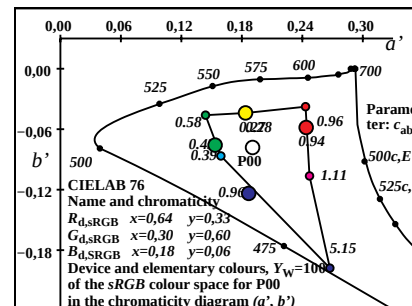
TN480-7N\_7

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



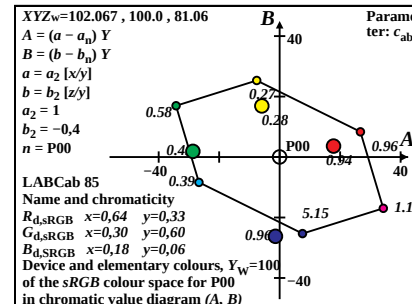
5-000630-L0

TN481-1N\_7



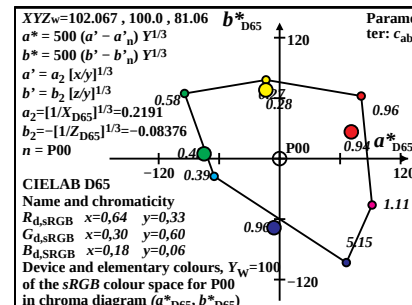
5-000630-L0

TN481-3N\_7



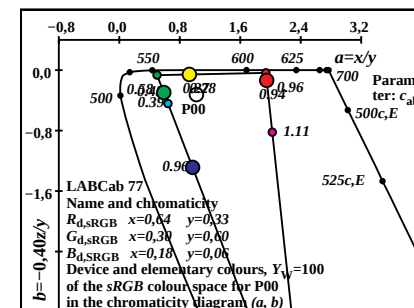
5-000630-L0

TN481-5N\_7



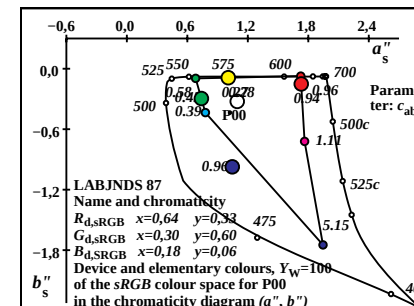
5-000630-L0

TN481-7N\_7



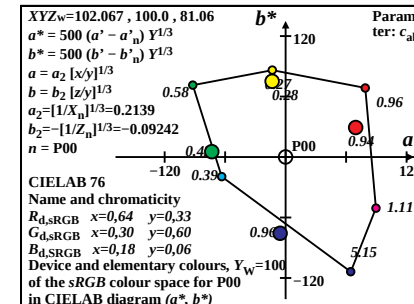
5-000630-L0

TN481-2N\_7



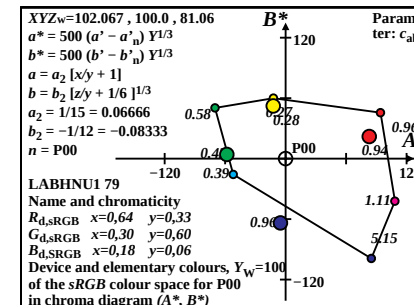
5-000630-L0

TN481-4N\_7



5-000630-L0

TN481-6N\_7



5-000630-L0

TN481-8N\_7

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for Q00, $Y_w=100$ |           |           |           |        |        |        |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|--|
| Code                                                                      | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 43.03     | 22.18     | 2.01      | 0.64   | 0.33   | 0.03   | 2.4      | 41 605           | 17 485           |  |
| $Y_{d,sRGB}$                                                              | 77.93     | 92.0      | 13.65     | 0.4245 | 0.5011 | 0.0743 | 58.0     | 33 566           | 11 459           |  |
| $G_{d,sRGB}$                                                              | 34.9      | 69.81     | 11.63     | 0.3    | 0.6    | 0.0999 | 91.8     | 28 544           | -1 544c          |  |
| $C_{d,sRGB}$                                                              | 54.9      | 77.81     | 116.93    | 0.2199 | 0.3116 | 0.4684 | 182.4    | 17 485           | 41 605           |  |
| $B_{d,sRGB}$                                                              | 19.99     | 7.99      | 105.3     | 0.15   | 0.06   | 0.79   | 238.1    | 11 459           | 33 566           |  |
| $M_{d,sRGB}$                                                              | 63.02     | 30.18     | 107.31    | 0.3142 | 0.1505 | 0.5351 | 271.8    | -1 544c          | 28 544           |  |
| $R_{e,sRGB}$                                                              | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 357.7    | 43 619           | 17 486           |  |
| $Y_{e,sRGB}$                                                              | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 50.2     | 34 570           | 13 468           |  |
| $G_{e,sRGB}$                                                              | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 116.2    | 22 512           | -1 512c          |  |
| $B_{e,sRGB}$                                                              | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 225.1    | 14 472           | 34 572           |  |

5-000730-L0

TN480-1N\_8

| Device and elementary colours of the sRGB colour space for Q00, $Y_w=100$ |           |           |           |          |        |         |          |                  |                  |  |
|---------------------------------------------------------------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|--|
| Code                                                                      | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| $R_{d,sRGB}$                                                              | 22.18     | 21.3      | 9.75      | 23.42    | 1.9393 | -0.0363 | 24.5     | 41 605           | 16 484           |  |
| $Y_{d,sRGB}$                                                              | 92.0      | -12.16    | 38.31     | 40.19    | 0.8471 | -0.0593 | 107.6    | 33 566           | 13 465           |  |
| $G_{d,sRGB}$                                                              | 69.81     | -33.46    | 28.56     | 43.99    | 0.4999 | -0.0666 | 139.5    | 29 545           | -1 545c          |  |
| $C_{d,sRGB}$                                                              | 77.81     | -21.3     | -9.75     | 23.42    | 0.7055 | -0.6011 | 204.5    | 17 487           | -1 487c          |  |
| $B_{d,sRGB}$                                                              | 7.99      | 12.16     | -38.31    | 40.19    | 2.4999 | -5.2666 | 287.6    | 11 459           | 32 564           |  |
| $M_{d,sRGB}$                                                              | 30.18     | 33.46     | -28.56    | 43.99    | 2.0879 | -1.422  | 319.5    | -1 531c          | 26 531           |  |
| $R_{e,sRGB}$                                                              | 19.19     | 18.63     | 6.55      | 19.75    | 1.9502 | -0.1343 | 19.3     | 43 616           | 17 485           |  |
| $Y_{e,sRGB}$                                                              | 63.38     | -3.26     | 26.5      | 26.7     | 0.9278 | -0.0576 | 97.0     | 34 570           | 14 470           |  |
| $G_{e,sRGB}$                                                              | 66.27     | -25.92    | 11.93     | 28.54    | 0.5881 | -0.2957 | 155.2    | 24 524           | -1 524c          |  |
| $B_{e,sRGB}$                                                              | 27.25     | -0.27     | -22.1     | 22.1     | 0.9694 | -1.2869 | 269.3    | 14 472           | 34 571           |  |

5-000730-L0

TN480-3N\_8

| Device and elementary colours of the sRGB colour space for Q00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| Code                                                                      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 54.23       | 77.4        | 69.61       | 104.1      | 0.2732 | -0.0376 | 41.9     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 96.82       | -22.94      | 97.3        | 99.97      | 0.2072 | -0.0443 | 103.2    | 32 562             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 86.91       | -89.03      | 85.24       | 123.26     | 0.1738 | -0.046  | 136.2    | 27 535             | 9 449              |  |
| $C_{d,sRGB}$                                                              | 90.69       | -47.6       | -14.9       | 49.88      | 0.195  | -0.0959 | 197.3    | 16 483             | -1 483c            |  |
| $B_{d,sRGB}$                                                              | 33.99       | 78.95       | -105.83     | 132.04     | 0.2971 | -0.1976 | 306.7    | 12 461             | 28 544             |  |
| $M_{d,sRGB}$                                                              | 61.82       | 96.26       | -59.08      | 112.94     | 0.2799 | -0.1278 | 328.4    | -1 524c            | 24 524             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 74.42       | 39.66       | 84.33      | 0.2737 | -0.0582 | 28.0     | -1 480c            | 16 480             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -7.66       | 86.76       | 87.1       | 0.2136 | -0.0439 | 95.0     | 33 568             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -68.13      | 25.55       | 72.77      | 0.1835 | -0.0757 | 159.4    | 22 513             | -1 513c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -1.09       | -50.99      | 51.0       | 0.2168 | -0.1236 | 268.7    | 14 472             | 34 573             |  |

5-000730-L0

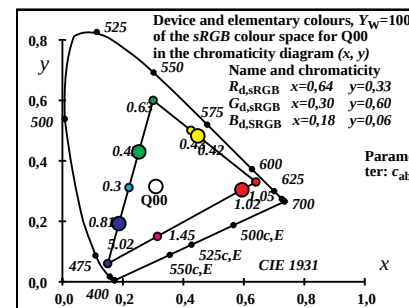
TN480-5N\_8

| Device and elementary colours of the sRGB colour space for Q00, $Y_w=100$ |             |             |             |            |        |         |          |                    |                    |  |
|---------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|--|
| CodeD65                                                                   | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| $R_{d,sRGB}$                                                              | 54.23       | 78.2        | 71.78       | 106.15     | 0.2732 | -0.0376 | 42.5     | -1 478c            | 15 478             |  |
| $Y_{d,sRGB}$                                                              | 96.82       | -23.17      | 100.23      | 102.87     | 0.2073 | -0.0443 | 103.0    | 32 563             | 13 469             |  |
| $G_{d,sRGB}$                                                              | 86.91       | -89.94      | 87.82       | 125.7      | 0.1739 | -0.046  | 135.6    | 27 536             | 10 450             |  |
| $C_{d,sRGB}$                                                              | 90.69       | -48.09      | -15.35      | 50.48      | 0.195  | -0.0959 | 197.7    | 16 483             | -1 483c            |  |
| $B_{d,sRGB}$                                                              | 33.99       | 79.78       | -109.03     | 135.1      | 0.2972 | -0.1976 | 306.1    | 12 461             | 28 544             |  |
| $M_{d,sRGB}$                                                              | 61.82       | 97.24       | -60.85      | 114.71     | 0.28   | -0.1278 | 327.9    | -1 524c            | 24 524             |  |
| $R_{e,sRGB}$                                                              | 50.92       | 75.19       | 40.87       | 85.58      | 0.2737 | -0.0582 | 28.5     | -1 480c            | 16 480             |  |
| $Y_{e,sRGB}$                                                              | 83.64       | -7.74       | 89.38       | 89.72      | 0.2137 | -0.0439 | 94.9     | 33 568             | 14 471             |  |
| $G_{e,sRGB}$                                                              | 85.14       | -68.83      | 26.32       | 73.69      | 0.1835 | -0.0757 | 159.0    | 22 513             | -1 513c            |  |
| $B_{e,sRGB}$                                                              | 59.21       | -1.1        | -52.52      | 52.53      | 0.2168 | -0.1236 | 268.7    | 14 472             | 34 573             |  |

5-000730-L0

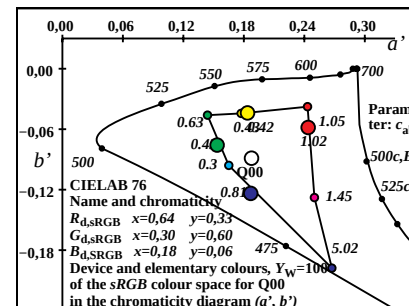
TN480-7N\_8

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



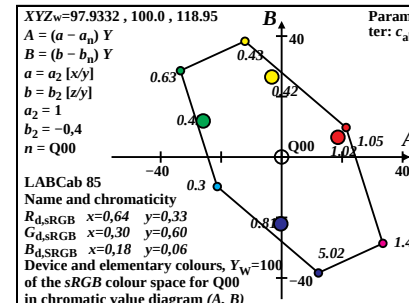
5-000730-L0

TN481-1N\_8



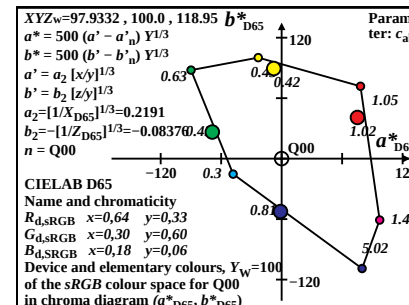
5-000730-L0

TN481-3N\_8



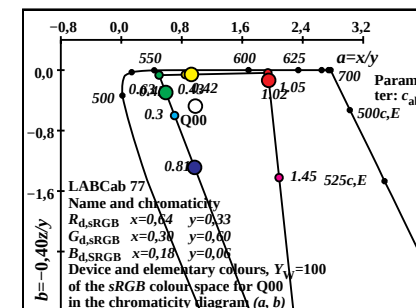
5-000730-L0

TN481-5N\_8



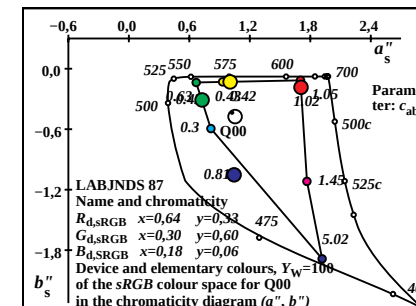
5-000730-L0

TN481-7N\_8



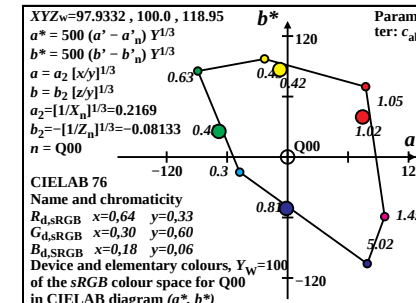
5-000730-L0

TN481-2N\_8



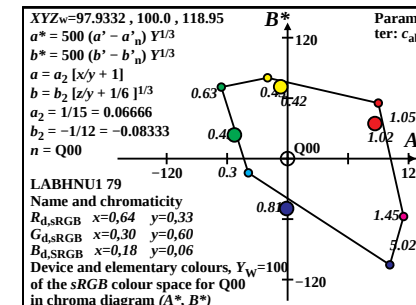
5-000730-L0

TN481-4N\_8



5-000730-L0

TN481-6N\_8



5-000730-L0

TN481-8N\_8

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for D65,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 41.25     | 21.27     | 1.93      | 0.64   | 0.3299 | 0.03   | 359.8    | 41 608           | 16 480           |
| $Y_{d,sRGB}$ | 77.06     | 92.9      | 13.87     | 0.4192 | 0.5053 | 0.0754 | 58.8     | 32 560           | 10 451           |
| $G_{d,sRGB}$ | 35.81     | 71.63     | 11.93     | 0.3    | 0.6    | 0.0999 | 92.9     | 27 537           | -1 537c          |
| $C_{d,sRGB}$ | 53.56     | 78.72     | 105.4     | 0.2253 | 0.3312 | 0.4434 | 179.8    | 16 480           | 41 608           |
| $B_{d,sRGB}$ | 17.74     | 7.09      | 93.46     | 0.1499 | 0.06   | 0.7899 | 238.8    | 10 451           | 32 560           |
| $M_{d,sRGB}$ | 58.99     | 28.36     | 95.39     | 0.3228 | 0.1552 | 0.5219 | 272.9    | -1 537c          | 27 537           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 354.5    | 47 635           | 16 481           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 48.5     | 33 565           | 12 464           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 121.7    | 20 502           | -1 502c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 227.4    | 13 465           | 33 565           |

Device and elementary colours of the sRGB colour space for D65,  $Y_{w,10}=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 21.27     | 21.08     | 8.35      | 22.68    | 1.9393 | -0.0363 | 21.6     | 41 608           | 16 480           |
| $Y_{d,sRGB}$ | 92.9      | -11.01    | 34.33     | 36.06    | 0.8295 | -0.0597 | 107.7    | 32 560           | 12 461           |
| $G_{d,sRGB}$ | 71.63     | -32.1     | 25.97     | 41.29    | 0.4999 | -0.0666 | 141.0    | 27 538           | -1 538c          |
| $C_{d,sRGB}$ | 78.72     | -21.08    | -8.35     | 22.68    | 0.6803 | -0.5355 | 201.6    | 16 480           | 43 617           |
| $B_{d,sRGB}$ | 7.09      | 11.01     | -34.33    | 36.06    | 2.4999 | -5.2665 | 287.7    | 10 451           | 31 556           |
| $M_{d,sRGB}$ | 28.36     | 32.1      | -25.97    | 41.29    | 2.0796 | -1.345  | 321.0    | -1 527c          | 25 527           |
| $R_{e,sRGB}$ | 19.19     | 19.23     | 5.66      | 20.05    | 1.9502 | -0.1343 | 16.4     | 46 633           | 16 481           |
| $Y_{e,sRGB}$ | 63.38     | -1.28     | 23.55     | 23.59    | 0.9278 | -0.0576 | 93.1     | 33 565           | 13 468           |
| $G_{e,sRGB}$ | 66.27     | -23.86    | 8.85      | 25.45    | 0.5881 | -0.2957 | 159.6    | 22 510           | -1 510c          |
| $B_{e,sRGB}$ | 27.25     | 0.58      | -23.37    | 23.37    | 0.9694 | -1.2869 | 271.4    | 12 464           | 32 562           |

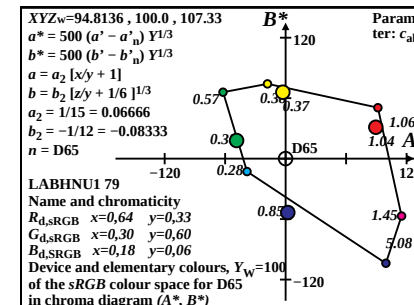
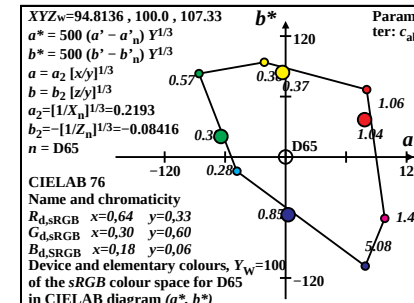
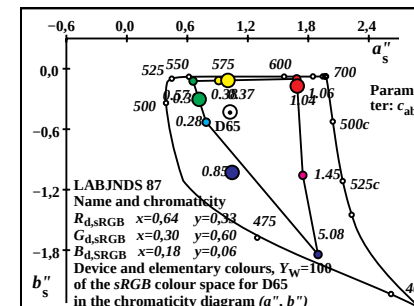
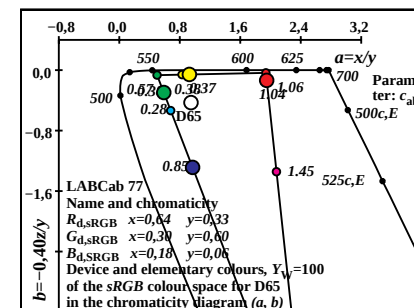
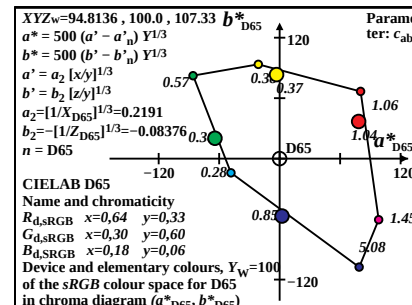
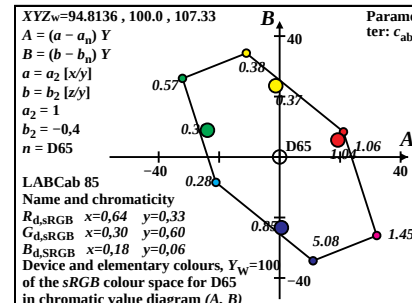
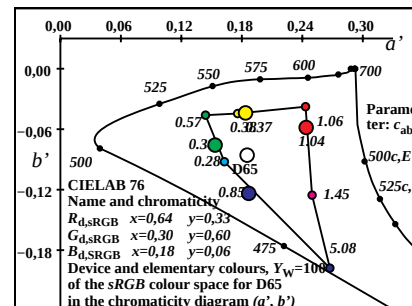
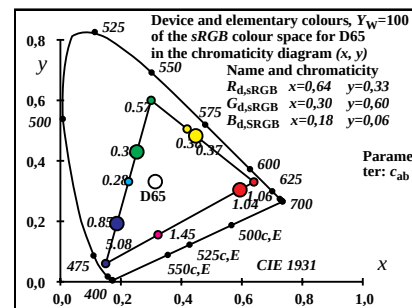
Device and elementary colours of the sRGB colour space for D65,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{AB}$ | $a'$   | $b'$    | $h_{AB}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 53.25       | 80.38       | 66.87       | 104.57     | 0.2732 | -0.0376 | 39.7     | -1 473c            | 14 473             |
| $Y_{d,sRGB}$ | 97.19       | -21.24      | 94.01       | 96.38      | 0.2058 | -0.0444 | 102.7    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 87.79       | -85.92      | 82.74       | 119.28     | 0.1738 | -0.046  | 136.0    | 25 529             | 7 435              |
| $C_{d,sRGB}$ | 91.11       | -48.35      | -14.11      | 50.37      | 0.1926 | -0.0923 | 196.2    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 32.05       | 78.93       | -108.14     | 133.88     | 0.2971 | -0.1976 | 306.1    | 10 453             | 27 538             |
| $M_{d,sRGB}$ | 60.22       | 98.31       | -60.86      | 115.63     | 0.2796 | -0.1254 | 328.2    | -1 519c            | 23 519             |
| $R_{e,sRGB}$ | 50.92       | 78.36       | 37.02       | 86.67      | 0.2737 | -0.0582 | 25.2     | -1 475c            | 15 475             |
| $Y_{e,sRGB}$ | 83.64       | -3.08       | 83.8        | 83.85      | 0.2136 | -0.0439 | 92.1     | 32 564             | 13 465             |
| $G_{e,sRGB}$ | 85.14       | -64.14      | 20.37       | 67.3       | 0.1835 | -0.0757 | 162.3    | 21 506             | -1 506c            |
| $B_{e,sRGB}$ | 59.21       | 2.4         | -57.28      | 57.33      | 0.2168 | -0.1236 | 272.4    | 13 465             | 32 564             |

Device and elementary colours of the sRGB colour space for D65,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{AB}$ | $a'$   | $b'$    | $h_{AB}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 53.25       | 80.34       | 66.63       | 104.38     | 0.2732 | -0.0376 | 39.6     | -1 473c            | 14 473             |
| $Y_{d,sRGB}$ | 97.19       | -21.23      | 93.58       | 95.96      | 0.2058 | -0.0444 | 102.7    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 87.79       | -85.86      | 82.37       | 118.98     | 0.1739 | -0.046  | 136.1    | 25 529             | 6 434              |
| $C_{d,sRGB}$ | 91.11       | -48.31      | -14.04      | 50.32      | 0.1927 | -0.0923 | 196.2    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 32.05       | 78.92       | -107.65     | 133.48     | 0.2972 | -0.1976 | 306.2    | 10 453             | 27 538             |
| $M_{d,sRGB}$ | 60.22       | 98.25       | -60.58      | 115.42     | 0.2796 | -0.1254 | 328.3    | -1 519c            | 23 519             |
| $R_{e,sRGB}$ | 50.92       | 78.32       | 36.87       | 86.56      | 0.2737 | -0.0582 | 25.2     | -1 475c            | 15 475             |
| $Y_{e,sRGB}$ | 83.64       | -3.08       | 83.42       | 83.48      | 0.2137 | -0.0439 | 92.1     | 32 564             | 13 465             |
| $G_{e,sRGB}$ | 85.14       | -64.1       | 20.27       | 67.23      | 0.1835 | -0.0757 | 162.4    | 21 506             | -1 506c            |
| $B_{e,sRGB}$ | 59.21       | 2.4         | -57.02      | 57.07      | 0.2168 | -0.1236 | 272.4    | 13 465             | 32 564             |

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for D50,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 49.13     | 25.33     | 2.3       | 0.64   | 0.3299 | 0.03   | 354.2    | 42 610           | 16 482           |
| $Y_{d,sRGB}$ | 83.9      | 94.87     | 13.89     | 0.4354 | 0.4924 | 0.0721 | 56.5     | 32 562           | 10 451           |
| $G_{d,sRGB}$ | 34.76     | 69.53     | 11.58     | 0.3    | 0.6    | 0.0999 | 101.2    | 26 534           | -1 534c          |
| $C_{d,sRGB}$ | 47.58     | 74.66     | 79.1      | 0.2363 | 0.3707 | 0.3928 | 174.2    | 16 482           | 42 610           |
| $B_{d,sRGB}$ | 12.82     | 5.12      | 67.51     | 0.1499 | 0.0599 | 0.7899 | 236.5    | 10 451           | 32 562           |
| $M_{d,sRGB}$ | 61.95     | 30.46     | 69.82     | 0.3818 | 0.1877 | 0.4303 | 281.2    | -1 534c          | 26 534           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 347.3    | 58 692           | 16 484           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 50.8     | 32 564           | 12 461           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 143.5    | 18 492           | -1 492c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 226.0    | 13 465           | 33 567           |

5-001130-L0

TN480-1N\_2

Device and elementary colours of the sRGB colour space for D50,  $Y_{w,10}=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 25.33     | 24.63     | 7.32      | 25.69    | 1.9393 | -0.0363 | 16.5     | 42 612           | 17 486           |
| $Y_{d,sRGB}$ | 94.87     | -7.86     | 25.33     | 26.52    | 0.8844 | -0.0585 | 107.2    | 32 562           | 11 456           |
| $G_{d,sRGB}$ | 69.53     | -32.49    | 18.0      | 37.14    | 0.4999 | -0.0666 | 151.0    | 26 532           | -1 532c          |
| $C_{d,sRGB}$ | 74.66     | -24.63    | -7.32     | 25.69    | 0.6373 | -0.4238 | 196.5    | 16 480           | 36 582           |
| $B_{d,sRGB}$ | 5.12      | 7.85      | -25.33    | 26.52    | 2.4999 | -5.2665 | 287.2    | 10 451           | 32 562           |
| $M_{d,sRGB}$ | 30.46     | 32.49     | -18.0     | 37.14    | 2.0337 | -0.9167 | 331.0    | -1 544c          | 28 544           |
| $R_{e,sRGB}$ | 19.19     | 18.86     | 3.67      | 19.22    | 1.9502 | -0.1343 | 11.0     | -1 488c          | 17 488           |
| $Y_{e,sRGB}$ | 63.38     | -2.49     | 16.98     | 17.16    | 0.9278 | -0.0576 | 98.3     | 33 565           | 13 465           |
| $G_{e,sRGB}$ | 66.27     | -25.12    | 1.98      | 25.2     | 0.5881 | -0.2957 | 175.4    | 17 488           | -1 488c          |
| $B_{e,sRGB}$ | 27.25     | 0.05      | -26.19    | 26.19    | 0.9694 | -1.2869 | 270.1    | 13 465           | 33 565           |

5-001130-L0

TN480-3N\_2

Device and elementary colours of the sRGB colour space for D50,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 57.41       | 82.55       | 65.55       | 105.41     | 0.2732 | -0.0376 | 38.4     | -1 473c            | 14 473             |
| $Y_{d,sRGB}$ | 97.98       | -14.44      | 85.57       | 86.78      | 0.2102 | -0.0441 | 99.5     | 31 559             | 12 463             |
| $G_{d,sRGB}$ | 86.77       | -87.44      | 72.74       | 113.74     | 0.1738 | -0.046  | 140.2    | 25 529             | -1 529c            |
| $C_{d,sRGB}$ | 89.23       | -58.87      | -16.65      | 61.18      | 0.1885 | -0.0853 | 195.7    | 15 479             | -1 479c            |
| $B_{d,sRGB}$ | 27.12       | 69.11       | -113.56     | 132.93     | 0.2971 | -0.1976 | 301.3    | 11 455             | 28 544             |
| $M_{d,sRGB}$ | 62.06       | 94.56       | -55.43      | 109.61     | 0.2775 | -0.1104 | 329.6    | -1 521c            | 24 521             |
| $R_{e,sRGB}$ | 50.92       | 75.93       | 29.47       | 81.45      | 0.2737 | -0.0582 | 21.2     | -1 477c            | 15 477             |
| $Y_{e,sRGB}$ | 83.64       | -5.91       | 75.31       | 75.54      | 0.2136 | -0.0439 | 94.4     | 32 563             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -66.61      | 5.5         | 66.83      | 0.1835 | -0.0757 | 175.2    | 19 495             | -1 495c            |
| $B_{e,sRGB}$ | 59.21       | 0.24        | -75.33      | 75.33      | 0.2168 | -0.1236 | 270.1    | 13 465             | 33 566             |

5-001130-L0

TN480-5N\_2

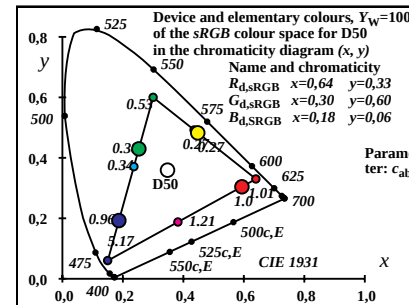
Device and elementary colours of the sRGB colour space for D50,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 57.41       | 83.05       | 59.55       | 102.19     | 0.2732 | -0.0376 | 35.6     | -1 474c            | 14 474             |
| $Y_{d,sRGB}$ | 97.98       | -14.53      | 77.68       | 79.02      | 0.2103 | -0.0441 | 100.5    | 31 558             | 12 463             |
| $G_{d,sRGB}$ | 86.77       | -87.97      | 66.03       | 110.0      | 0.1739 | -0.046  | 143.1    | 25 527             | -1 527c            |
| $C_{d,sRGB}$ | 89.23       | -59.22      | -15.11      | 61.12      | 0.1885 | -0.0853 | 194.3    | 15 479             | -1 479c            |
| $B_{d,sRGB}$ | 27.12       | 69.57       | -103.1      | 124.38     | 0.2972 | -0.1976 | 304.0    | 10 453             | 28 542             |
| $M_{d,sRGB}$ | 62.06       | 95.13       | -50.32      | 107.62     | 0.2775 | -0.1104 | 332.1    | -1 519c            | 23 519             |
| $R_{e,sRGB}$ | 50.92       | 76.39       | 26.76       | 80.95      | 0.2737 | -0.0582 | 19.3     | -1 478c            | 15 478             |
| $Y_{e,sRGB}$ | 83.64       | -5.95       | 68.37       | 68.63      | 0.2137 | -0.0439 | 94.9     | 32 563             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -67.01      | 4.99        | 67.19      | 0.1835 | -0.0757 | 175.7    | 18 494             | -1 494c            |
| $B_{e,sRGB}$ | 59.21       | 0.24        | -68.38      | 68.38      | 0.2168 | -0.1236 | 270.2    | 13 465             | 33 566             |

5-001130-L0

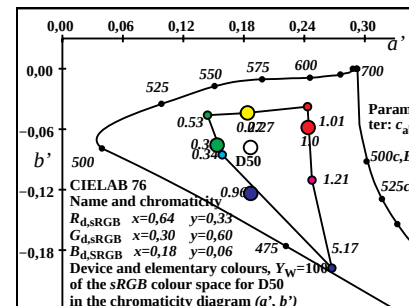
TN480-7N\_2

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



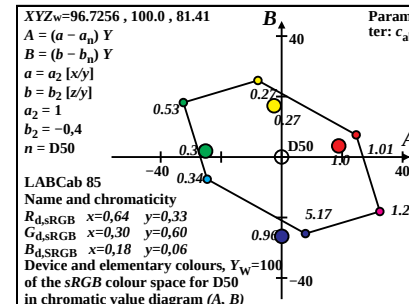
5-001130-L0

TN481-1N\_2



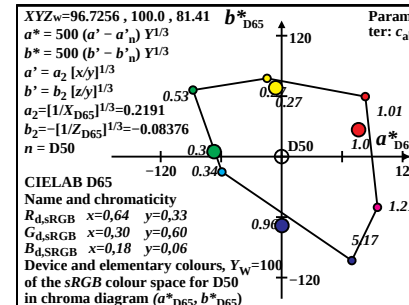
5-001130-L0

TN481-3N\_2



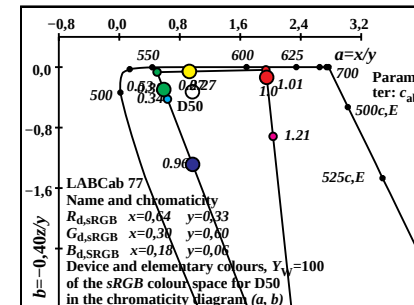
5-001130-L0

TN481-5N\_2



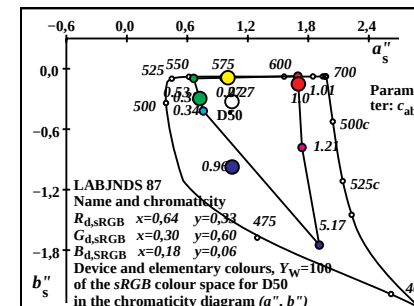
5-001130-L0

TN481-7N\_2



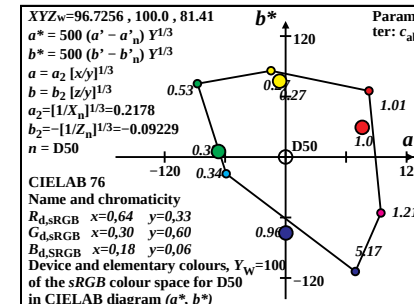
5-001130-L0

TN481-2N\_2



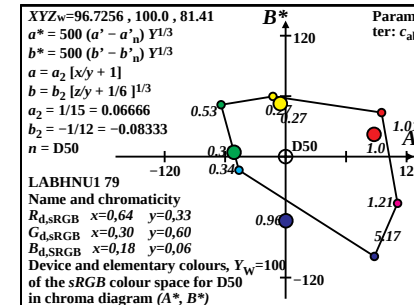
5-001130-L0

TN481-4N\_2



5-001130-L0

TN481-6N\_2



5-001130-L0

TN481-8N\_2

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for P40,  $Y_{w,10}=100$ 

| <i>Code</i>         | <i>X</i> <sub>100</sub> | <i>Y</i> <sub>100</sub> | <i>Z</i> <sub>100</sub> | <i>x</i> | <i>y</i> | <i>z</i> | <i>h</i> <sub>xy</sub> | <i>i</i> <sub>d</sub> , <i>λ</i> <sub>d</sub> | <i>i</i> <sub>c</sub> , <i>λ</i> <sub>c</sub> |
|---------------------|-------------------------|-------------------------|-------------------------|----------|----------|----------|------------------------|-----------------------------------------------|-----------------------------------------------|
| R <sub>d,sRGB</sub> | 59.34                   | 30.59                   | 2.78                    | 0.6399   | 0.3299   | 0.0299   | 349.9                  | 42 611                                        | 16 484                                        |
| Y <sub>d,sRGB</sub> | 92.11                   | 96.14                   | 13.7                    | 0.456    | 0.476    | 0.0678   | 53.6                   | 33 565                                        | 10 452                                        |
| G <sub>d,sRGB</sub> | 32.77                   | 65.54                   | 10.92                   | 0.3      | 0.6      | 0.0999   | 110.1                  | 26 531                                        | −1 531c                                       |
| C <sub>d,sRGB</sub> | 42.4                    | 69.4                    | 61.66                   | 0.2444   | 0.4      | 0.3554   | 169.9                  | 16 484                                        | 42 611                                        |
| B <sub>d,sRGB</sub> | 9.63                    | 3.85                    | 50.74                   | 0.15     | 0.0599   | 0.79     | 233.6                  | 10 452                                        | 33 565                                        |
| M <sub>d,sRGB</sub> | 68.97                   | 34.45                   | 53.52                   | 0.4394   | 0.2195   | 0.341    | 290.1                  | −1 531c                                       | 26 531                                        |
| R <sub>e,sRGB</sub> | 37.43                   | 19.19                   | 6.44                    | 0.5935   | 0.3043   | 0.1021   | 341.3                  | −1 487c                                       | 17 487                                        |
| Y <sub>e,sRGB</sub> | 58.8                    | 63.38                   | 9.13                    | 0.4478   | 0.4826   | 0.0695   | 58.4                   | 32 564                                        | 5 425                                         |
| G <sub>e,sRGB</sub> | 38.98                   | 66.27                   | 49.0                    | 0.2526   | 0.4296   | 0.3176   | 157.3                  | 17 488                                        | −1 488c                                       |
| B <sub>e,sRGB</sub> | 26.41                   | 27.25                   | 87.68                   | 0.1868   | 0.1927   | 0.6203   | 223.1                  | 13 466                                        | 33 569                                        |

5-001230-L0

TN480-1N\_3

Device and elementary colours of the sRGB colour space for P40,  $Y_{w,10}=100$ 

| <i>Code</i>  | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 30.59     | 28.2      | 6.77      | 29.01    | 1.9393 | -0.0363 | 13.5     | 46 630           | 18 494           |
| $Y_{d,sRGB}$ | 96.14     | -5.71     | 19.3      | 20.13    | 0.958  | -0.057  | 106.4    | 32 563           | -1 563c          |
| $G_{d,sRGB}$ | 65.54     | -33.92    | 12.52     | 36.16    | 0.4999 | -0.0666 | 159.7    | 22 514           | -1 514c          |
| $C_{d,sRGB}$ | 69.4      | -28.2     | -6.77     | 29.01    | 0.611  | -0.3554 | 193.5    | 16 481           | 35 577           |
| $B_{d,sRGB}$ | 3.85      | 5.71      | -19.3     | 20.13    | 2.4999 | -5.2665 | 286.4    | 10 452           | 33 568           |
| $M_{d,sRGB}$ | 34.45     | 33.92     | -12.52    | 36.16    | 2.002  | -0.6214 | 339.7    | -1 560c          | 32 560           |
| $R_{e,sRGB}$ | 19.19     | 17.9      | 2.36      | 18.05    | 1.9502 | -0.1343 | 7.5      | -1 502c          | 20 502           |
| $Y_{e,sRGB}$ | 63.38     | -5.68     | 12.68     | 13.9     | 0.9278 | -0.0576 | 114.1    | 32 560           | -1 560c          |
| $G_{e,sRGB}$ | 66.27     | -28.46    | -2.51     | 28.57    | 0.5881 | -0.2957 | 185.0    | 16 484           | 36 580           |
| $B_{e,sRGB}$ | 27.25     | -1.31     | -28.04    | 28.07    | 0.9694 | -1.2869 | 267.3    | 13 466           | 34 570           |

5-001230-L0

TN480-3N\_3

Device and elementary colours of the sRGB colour space for P40,  $Y_{w,10}=100$ 

| <i>Code</i>         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|---------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| R <sub>d,sRGB</sub> | 62.17       | 80.8        | 64.57       | 103.43     | 0.2732 | -0.0376 | 38.6     | -1 474c            | 14 474             |
| Y <sub>d,sRGB</sub> | 98.49       | -9.79       | 78.0        | 78.61      | 0.2159 | -0.0437 | 97.1     | 32 563             | 12 463             |
| G <sub>d,sRGB</sub> | 84.77       | -91.57      | 63.03       | 111.17     | 0.1738 | -0.046  | 145.4    | 25 529             | -1 529c            |
| C <sub>d,sRGB</sub> | 86.7        | -69.18      | -20.0       | 72.02      | 0.1859 | -0.0805 | 196.1    | 16 480             | -1 480c            |
| B <sub>d,sRGB</sub> | 23.21       | 58.93       | -117.07     | 131.07     | 0.2971 | -0.1976 | 296.7    | 11 456             | 30 550             |
| M <sub>d,sRGB</sub> | 65.32       | 88.69       | -47.77      | 100.74     | 0.2761 | -0.0969 | 331.6    | -1 523c            | 24 523             |
| R <sub>e,sRGB</sub> | 50.92       | 69.83       | 22.52       | 73.37      | 0.2737 | -0.0582 | 17.8     | -1 479c            | 15 479             |
| Y <sub>e,sRGB</sub> | 83.64       | -13.0       | 67.5        | 68.74      | 0.2136 | -0.0439 | 100.9    | 32 561             | 12 462             |
| G <sub>e,sRGB</sub> | 85.14       | -72.79      | -8.17       | 73.25      | 0.1835 | -0.0757 | 186.4    | 17 485             | -1 485c            |
| B <sub>e,sRGB</sub> | 59.21       | -5.18       | -91.93      | 92.08      | 0.2168 | -0.1236 | 266.7    | 13 465             | 34 571             |

5-001230-L0

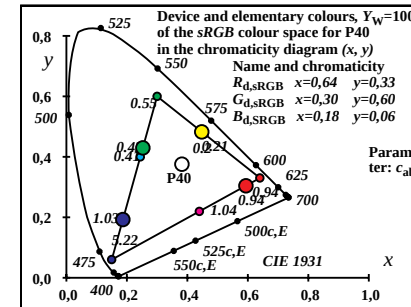
TN480-5N\_3

Device and elementary colours of the sRGB colour space for P40,  $Y_{w,10}=100$ 

| <i>CodeD65</i>      | <i>L*</i> <sub>100</sub> | <i>a*</i> <sub>100</sub> | <i>b*</i> <sub>100</sub> | <i>C</i> <sub>ab</sub> | <i>a'</i> | <i>b'</i> | <i>h</i> <sub>ab</sub> | <i>i</i> <sub>d</sub> , $\lambda^*_{\text{d}}$ | <i>i</i> <sub>c</sub> , $\lambda^*_{\text{c}}$ |
|---------------------|--------------------------|--------------------------|--------------------------|------------------------|-----------|-----------|------------------------|------------------------------------------------|------------------------------------------------|
| R <sub>d,sRGB</sub> | 62.17                    | 82.67                    | 54.25                    | 98.88                  | 0.2732    | -0.0376   | 33.2                   | -1 475c                                        | 15 475                                         |
| Y <sub>d,sRGB</sub> | 98.49                    | -10.02                   | 65.5                     | 66.26                  | 0.216     | -0.0437   | 98.7                   | 32 562                                         | 12 463                                         |
| G <sub>d,sRGB</sub> | 84.77                    | -93.69                   | 52.93                    | 107.61                 | 0.1739    | -0.046    | 150.5                  | 24 524                                         | -1 524c                                        |
| C <sub>d,sRGB</sub> | 86.7                     | -70.78                   | -16.79                   | 72.75                  | 0.1859    | -0.0805   | 193.3                  | 16 481                                         | -1 481c                                        |
| B <sub>d,sRGB</sub> | 23.21                    | 60.36                    | -98.33                   | 115.38                 | 0.2972    | -0.1976   | 301.5                  | 10 453                                         | 29 547                                         |
| M <sub>d,sRGB</sub> | 65.32                    | 90.75                    | -40.12                   | 99.22                  | 0.2761    | -0.0969   | 336.1                  | -1 519c                                        | 23 519                                         |
| R <sub>e,sRGB</sub> | 50.92                    | 71.45                    | 18.91                    | 73.91                  | 0.2737    | -0.0582   | 14.8                   | -1 480c                                        | 16 480                                         |
| Y <sub>e,sRGB</sub> | 83.64                    | -13.3                    | 56.69                    | 58.23                  | 0.2137    | -0.0439   | 103.2                  | 31 559                                         | 12 462                                         |
| G <sub>e,sRGB</sub> | 85.14                    | -74.47                   | -6.86                    | 74.79                  | 0.1835    | -0.0757   | 185.2                  | 17 486                                         | -1 486c                                        |
| B <sub>e,sRGB</sub> | 59.21                    | -5.3                     | -77.19                   | 77.38                  | 0.2168    | -0.1236   | 266.0                  | 13 466                                         | 34 571                                         |

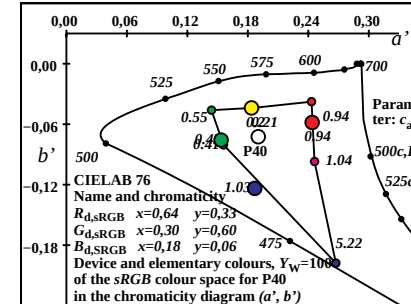
5-001230-L0

TN480-7N\_3



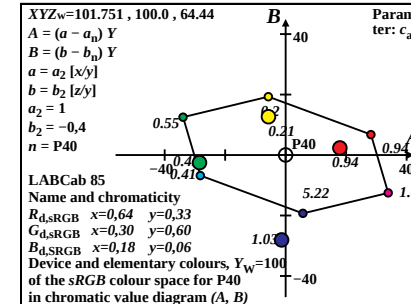
5-001230-

TN481-1N\_3



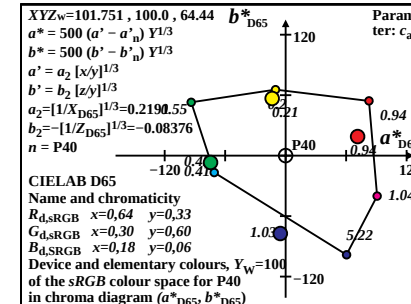
5-001230-

TN481-3N\_3



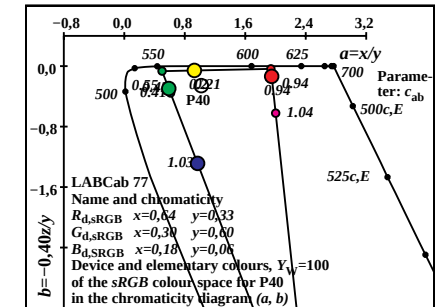
5-001230-

TN481-5N\_3



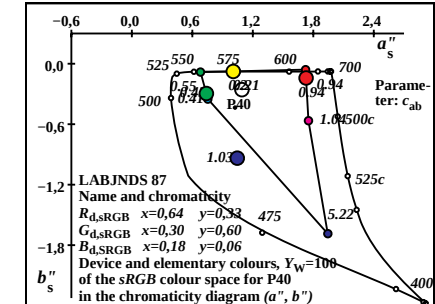
5-001230-

TN481-7N\_3



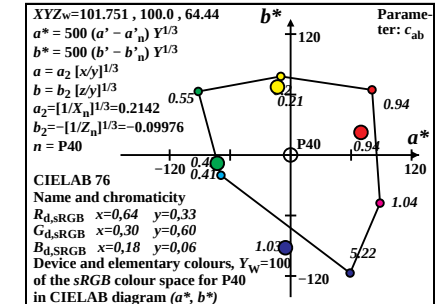
5-001230-

TN481-2N\_3



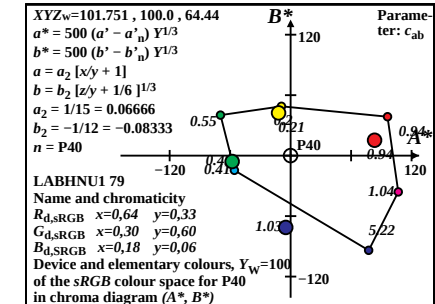
5-001230-

TN481-4N\_3



5-001230-

TN481-6N\_3



5-001230-

TN481-8N\_3

TUB-test chart TN48; *sRGB*: Basic and mixture colours  
*XYZ*, *YABCh*, *LabCh\** data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for A00,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 77.91     | 40.17     | 3.65      | 0.64   | 0.33   | 0.03   | 338.1    | 44 620           | 18 490           |
| $Y_{d,sRGB}$ | 107.0     | 98.34     | 13.34     | 0.4892 | 0.4496 | 0.061  | 48.8     | 34 571           | 10 452           |
| $G_{d,sRGB}$ | 29.08     | 58.16     | 9.69      | 0.3    | 0.6    | 0.0999 | 127.9    | 23 516           | -1 516c          |
| $C_{d,sRGB}$ | 33.23     | 59.82     | 31.54     | 0.2666 | 0.4801 | 0.2531 | 158.0    | 18 490           | 44 620           |
| $B_{d,sRGB}$ | 4.14      | 1.65      | 21.85     | 0.1499 | 0.0599 | 0.79   | 228.9    | 10 452           | 34 571           |
| $M_{d,sRGB}$ | 82.06     | 41.83     | 25.5      | 0.5492 | 0.28   | 0.1707 | 307.9    | -1 516c          | 23 516           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 324.4    | -1 497c          | 19 497           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 92.4     | 31 559           | -1 559c          |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 173.1    | 17 485           | 38 590           |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 218.8    | 13 467           | 34 573           |

Device and elementary colours of the sRGB colour space for A00,  $Y_{w,10}=100$

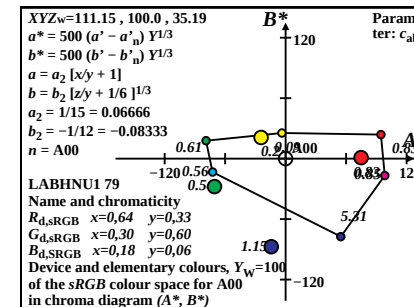
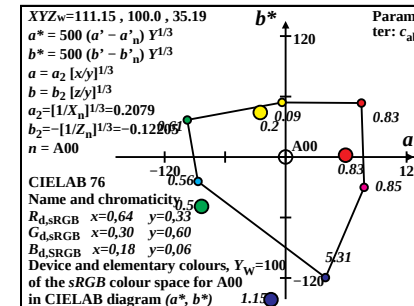
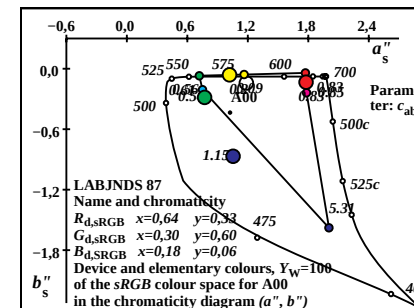
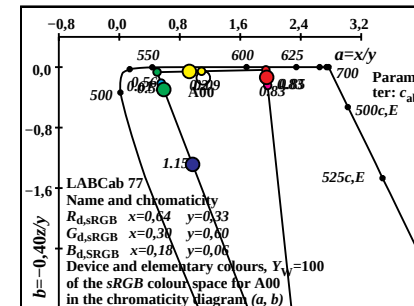
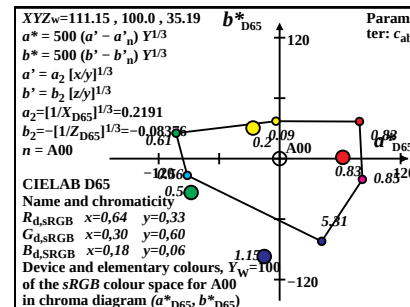
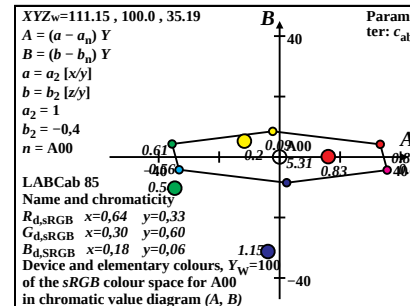
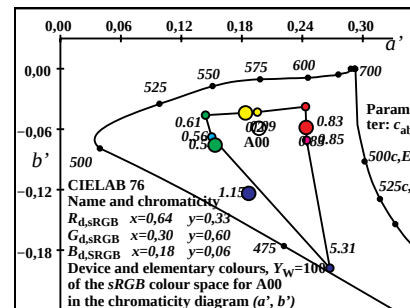
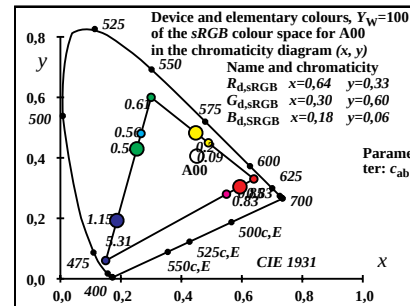
| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 40.17     | 33.26     | 4.19      | 33.52    | 1.9393 | -0.0363 | 7.1      | -1 597c          | 39 597           |
| $Y_{d,sRGB}$ | 98.34     | -2.3      | 8.5       | 8.81     | 1.088  | -0.0542 | 105.1    | 15 476           | 34 573           |
| $G_{d,sRGB}$ | 58.16     | -35.56    | 4.31      | 35.82    | 0.4999 | -0.0666 | 173.0    | 18 494           | 31 557           |
| $C_{d,sRGB}$ | 59.82     | -33.26    | -4.19     | 33.52    | 0.5554 | -0.2109 | 187.1    | 17 485           | 33 567           |
| $B_{d,sRGB}$ | 1.65      | 2.3       | -8.5      | 8.81     | 2.4998 | -5.2663 | 285.1    | 10 452           | 35 578           |
| $M_{d,sRGB}$ | 41.83     | 35.56     | -4.31     | 35.82    | 1.9616 | -0.2438 | 353.0    | -1 585c          | 37 585           |
| $R_{e,sRGB}$ | 19.19     | 16.09     | 0.12      | 16.09    | 1.9502 | -0.1343 | 0.4      | -1 589c          | 37 589           |
| $Y_{e,sRGB}$ | 63.38     | -11.64    | 5.27      | 12.77    | 0.9278 | -0.0576 | 155.6    | 16 483           | 33 569           |
| $G_{e,sRGB}$ | 66.27     | -34.68    | -10.27    | 36.17    | 0.5881 | -0.2957 | 196.4    | 16 482           | 34 570           |
| $B_{e,sRGB}$ | 27.25     | -3.87     | -31.23    | 31.47    | 0.9694 | -1.2869 | 262.9    | 13 467           | 35 576           |

Device and elementary colours of the sRGB colour space for A00,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 69.6        | 75.21       | 53.57       | 92.34      | 0.2732 | -0.0376 | 35.4     | -1 475c            | 15 475             |
| $Y_{d,sRGB}$ | 99.35       | -3.51       | 54.12       | 54.23      | 0.2253 | -0.043  | 93.7     | 34 570             | 12 463             |
| $G_{d,sRGB}$ | 80.83       | -97.55      | 36.81       | 104.27     | 0.1738 | -0.046  | 159.3    | 25 525             | -1 525c            |
| $C_{d,sRGB}$ | 81.74       | -86.95      | -24.3       | 90.28      | 0.18   | -0.0676 | 195.6    | 16 482             | -1 482c            |
| $B_{d,sRGB}$ | 13.64       | 39.45       | -119.5      | 125.85     | 0.2971 | -0.1976 | 288.2    | 11 458             | 32 561             |
| $M_{d,sRGB}$ | 70.76       | 77.94       | -30.05      | 83.54      | 0.2742 | -0.071  | 338.9    | -1 525c            | 25 525             |
| $R_{e,sRGB}$ | 50.92       | 59.43       | 1.79        | 59.46      | 0.2737 | -0.0582 | 1.7      | -1 495c            | 19 495             |
| $Y_{e,sRGB}$ | 83.64       | -25.09      | 44.22       | 50.84      | 0.2136 | -0.0439 | 119.5    | 30 554             | 10 451             |
| $G_{e,sRGB}$ | 85.14       | -83.33      | -48.94      | 96.64      | 0.1835 | -0.0757 | 210.4    | 15 477             | -1 477c            |
| $B_{e,sRGB}$ | 59.21       | -14.44      | -141.43     | 142.17     | 0.2168 | -0.1236 | 264.1    | 13 465             | 35 576             |

Device and elementary colours of the sRGB colour space for A00,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 69.6        | 79.25       | 36.78       | 87.37      | 0.2732 | -0.0376 | 24.8     | -1 478c            | 15 478             |
| $Y_{d,sRGB}$ | 99.35       | -3.7        | 37.15       | 37.33      | 0.2253 | -0.043  | 95.6     | 33 569             | 12 463             |
| $G_{d,sRGB}$ | 80.83       | -102.8      | 25.27       | 105.86     | 0.1739 | -0.046  | 166.1    | 23 517             | -1 517c            |
| $C_{d,sRGB}$ | 81.74       | -91.62      | -16.68      | 93.13      | 0.1801 | -0.0676 | 190.3    | 17 485             | -1 485c            |
| $B_{d,sRGB}$ | 13.64       | 41.68       | -82.08      | 92.05      | 0.2972 | -0.1976 | 296.9    | 10 453             | 31 555             |
| $M_{d,sRGB}$ | 70.76       | 82.13       | -20.62      | 84.68      | 0.2742 | -0.071  | 345.9    | -1 517c            | 23 517             |
| $R_{e,sRGB}$ | 50.92       | 62.63       | 1.23        | 62.65      | 0.2737 | -0.0582 | 1.1      | -1 496c            | 19 496             |
| $Y_{e,sRGB}$ | 83.64       | -26.44      | 30.35       | 40.25      | 0.2137 | -0.0439 | 131.0    | 29 548             | 6 433              |
| $G_{e,sRGB}$ | 85.14       | -87.8       | -33.59      | 94.01      | 0.1835 | -0.0757 | 200.9    | 16 480             | -1 480c            |
| $B_{e,sRGB}$ | 59.21       | -15.22      | -97.07      | 98.26      | 0.2168 | -0.1236 | 261.0    | 13 466             | 35 578             |



Device and elementary colours of the sRGB colour space for E00,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 49.67     | 25.61     | 2.32      | 0.64   | 0.3299 | 0.0299 | 359.3    | 41 608           | 16 480           |
| $Y_{d,sRGB}$ | 83.59     | 93.43     | 13.63     | 0.4384 | 0.49   | 0.0715 | 56.1     | 32 563           | 10 452           |
| $G_{d,sRGB}$ | 33.91     | 67.82     | 11.3      | 0.3    | 0.6    | 0.0999 | 97.0     | 27 536           | -1 536c          |
| $C_{d,sRGB}$ | 50.31     | 74.38     | 97.68     | 0.2262 | 0.3344 | 0.4392 | 179.3    | 16 480           | 41 608           |
| $B_{d,sRGB}$ | 16.4      | 6.56      | 86.37     | 0.15   | 0.06   | 0.79   | 236.1    | 10 452           | 32 563           |
| $M_{d,sRGB}$ | 66.07     | 32.17     | 88.7      | 0.3534 | 0.172  | 0.4744 | 277.1    | -1 536c          | 27 536           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 353.6    | 47 637           | 16 481           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 52.4     | 32 564           | 11 458           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 129.8    | 19 497           | -1 497c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 223.8    | 13 466           | 33 568           |

Device and elementary colours of the sRGB colour space for E00,  $Y_{w,10}=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 25.61     | 24.06     | 9.31      | 25.8     | 1.9393 | -0.0363 | 21.1     | 41 608           | 16 480           |
| $Y_{d,sRGB}$ | 93.43     | -9.84     | 31.92     | 33.4     | 0.8945 | -0.0583 | 107.1    | 32 563           | 10 452           |
| $G_{d,sRGB}$ | 67.82     | -33.9     | 22.61     | 40.75    | 0.4999 | -0.0666 | 146.3    | 27 536           | -1 536c          |
| $C_{d,sRGB}$ | 74.38     | -24.06    | -9.31     | 25.8     | 0.6763 | -0.5252 | 201.1    | 16 480           | 41 608           |
| $B_{d,sRGB}$ | 6.56      | 9.84      | -31.92    | 33.4     | 2.4999 | -5.2665 | 287.1    | 10 452           | 32 563           |
| $M_{d,sRGB}$ | 32.17     | 33.9      | -22.61    | 40.75    | 2.0536 | -1.1027 | 326.3    | -1 536c          | 27 536           |
| $R_{e,sRGB}$ | 19.19     | 18.24     | 5.1       | 18.94    | 1.9502 | -0.1343 | 15.6     | 47 637           | 16 481           |
| $Y_{e,sRGB}$ | 63.38     | -4.56     | 21.7      | 22.17    | 0.9278 | -0.0576 | 101.8    | 32 564           | 11 458           |
| $G_{e,sRGB}$ | 66.27     | -27.29    | 6.91      | 28.15    | 0.5881 | -0.2957 | 165.7    | 19 497           | -1 497c          |
| $B_{e,sRGB}$ | 27.25     | -0.83     | -24.17    | 24.18    | 0.9694 | -1.2869 | 268.0    | 13 466           | 33 568           |

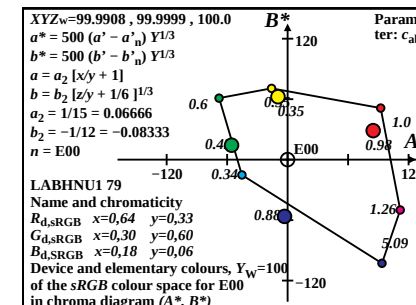
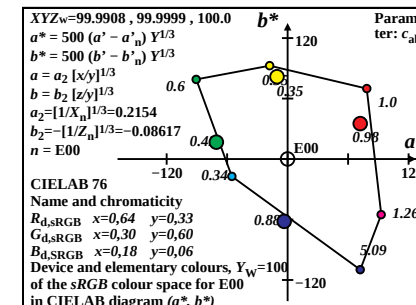
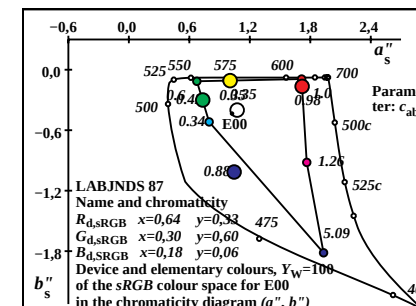
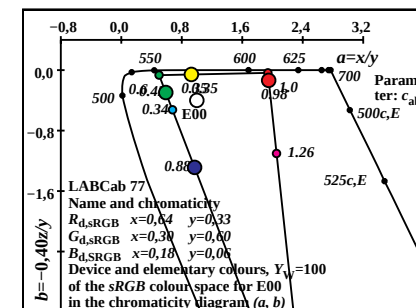
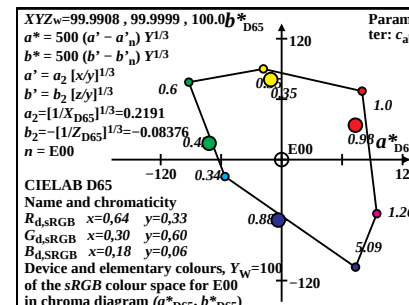
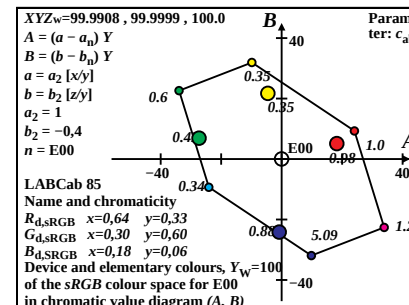
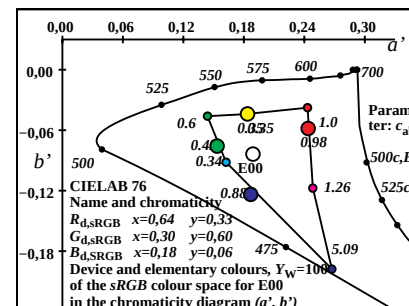
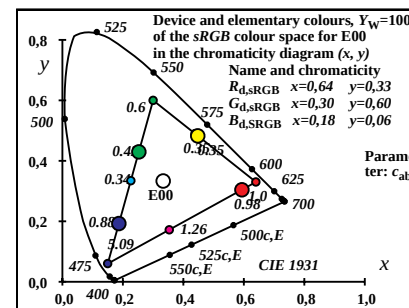
Device and elementary colours of the sRGB colour space for E00,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 57.67       | 78.45       | 69.84       | 105.03     | 0.2732 | -0.0376 | 41.6     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 97.4        | -17.8       | 92.57       | 94.27      | 0.211  | -0.044  | 100.8    | 31 559             | 12 463             |
| $G_{d,sRGB}$ | 85.92       | -90.6       | 79.0        | 120.21     | 0.1738 | -0.046  | 138.9    | 25 529             | 2 413              |
| $C_{d,sRGB}$ | 89.1        | -55.33      | -17.22      | 57.95      | 0.1923 | -0.0917 | 197.2    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 30.8        | 71.99       | -109.76     | 131.27     | 0.2971 | -0.1976 | 303.2    | 10 454             | 28 542             |
| $M_{d,sRGB}$ | 63.49       | 92.88       | -55.1       | 108.0      | 0.2784 | -0.1174 | 329.3    | -1 520c            | 24 520             |
| $R_{e,sRGB}$ | 50.92       | 71.92       | 35.16       | 80.05      | 0.2737 | -0.0582 | 26.0     | -1 475c            | 15 475             |
| $Y_{e,sRGB}$ | 83.64       | -10.57      | 81.7        | 82.38      | 0.2136 | -0.0439 | 97.3     | 32 562             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -70.67      | 16.69       | 72.62      | 0.1835 | -0.0757 | 166.7    | 20 503             | -1 503c            |
| $B_{e,sRGB}$ | 59.21       | -3.32       | -61.74      | 61.83      | 0.2168 | -0.1236 | 266.9    | 13 466             | 34 570             |

Device and elementary colours of the sRGB colour space for E00,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 57.67       | 79.8        | 67.95       | 104.81     | 0.2732 | -0.0376 | 40.4     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 97.4        | -18.1       | 90.0        | 91.81      | 0.2111 | -0.044  | 101.3    | 31 558             | 12 463             |
| $G_{d,sRGB}$ | 85.92       | -92.16      | 76.81       | 119.97     | 0.1739 | -0.046  | 140.1    | 25 528             | -1 528c            |
| $C_{d,sRGB}$ | 89.1        | -56.29      | -16.74      | 58.72      | 0.1923 | -0.0917 | 196.5    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 30.8        | 73.27       | -106.73     | 129.46     | 0.2972 | -0.1976 | 304.4    | 10 453             | 28 541             |
| $M_{d,sRGB}$ | 63.49       | 94.48       | -53.57      | 108.61     | 0.2784 | -0.1174 | 330.4    | -1 519c            | 23 519             |
| $R_{e,sRGB}$ | 50.92       | 73.16       | 34.19       | 80.76      | 0.2737 | -0.0582 | 25.0     | -1 475c            | 15 475             |
| $Y_{e,sRGB}$ | 83.64       | -10.76      | 79.44       | 80.17      | 0.2137 | -0.0439 | 97.7     | 32 562             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -71.89      | 16.23       | 73.7       | 0.1835 | -0.0757 | 167.2    | 20 502             | -1 502c            |
| $B_{e,sRGB}$ | 59.21       | -3.38       | -60.02      | 60.12      | 0.2168 | -0.1236 | 266.7    | 13 466             | 34 571             |

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for C00,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 42.74     | 22.04     | 2.0       | 0.64   | 0.3299 | 0.0299 | 1.9      | 41 608           | 15 479           |
| $Y_{d,sRGB}$ | 77.83     | 92.21     | 13.7      | 0.4235 | 0.5018 | 0.0745 | 58.2     | 32 560           | 10 451           |
| $G_{d,sRGB}$ | 35.08     | 70.17     | 11.69     | 0.3    | 0.6    | 0.0999 | 92.0     | 27 537           | -1 537c          |
| $C_{d,sRGB}$ | 54.54     | 77.95     | 114.14    | 0.2211 | 0.316  | 0.4627 | 181.9    | 15 479           | 41 608           |
| $B_{d,sRGB}$ | 19.45     | 7.78      | 102.44    | 0.15   | 0.06   | 0.79   | 238.2    | 10 451           | 32 560           |
| $M_{d,sRGB}$ | 62.19     | 29.82     | 104.44    | 0.3165 | 0.1517 | 0.5316 | 272.1    | -1 537c          | 27 537           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 357.0    | 46 630           | 16 480           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 49.9     | 33 565           | 12 462           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 117.5    | 21 505           | -1 505c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 225.6    | 13 465           | 33 567           |

5-001530-L0

TN480-1N\_6

Device and elementary colours of the sRGB colour space for C00,  $Y_{w,10}=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 22.04     | 21.3      | 9.43      | 23.3     | 1.9393 | -0.0363 | 23.8     | 41 607           | 15 478           |
| $Y_{d,sRGB}$ | 92.21     | -11.88    | 37.36     | 39.2     | 0.844  | -0.0594 | 107.6    | 32 561           | 11 459           |
| $G_{d,sRGB}$ | 70.17     | -33.18    | 27.92     | 43.37    | 0.4999 | -0.0666 | 139.9    | 27 538           | -1 538c          |
| $C_{d,sRGB}$ | 77.95     | -21.3     | -9.43     | 23.3     | 0.6996 | -0.5856 | 203.8    | 16 480           | -1 480c          |
| $B_{d,sRGB}$ | 7.78      | 11.88     | -37.36    | 39.2     | 2.4999 | -5.2665 | 287.6    | 10 451           | 31 558           |
| $M_{d,sRGB}$ | 29.82     | 33.18     | -27.92    | 43.37    | 2.0856 | -1.4009 | 319.9    | -1 525c          | 25 525           |
| $R_{e,sRGB}$ | 19.19     | 18.76     | 6.33      | 19.8     | 1.9502 | -0.1343 | 18.6     | 45 625           | 15 479           |
| $Y_{e,sRGB}$ | 63.38     | -2.85     | 25.79     | 25.95    | 0.9278 | -0.0576 | 96.3     | 33 565           | 13 465           |
| $G_{e,sRGB}$ | 66.27     | -25.5     | 11.18     | 27.84    | 0.5881 | -0.2957 | 156.3    | 23 517           | -1 517c          |
| $B_{e,sRGB}$ | 27.25     | -0.09     | -22.41    | 22.41    | 0.9694 | -1.2869 | 269.7    | 13 465           | 33 565           |

5-001530-L0

TN480-3N\_6

Device and elementary colours of the sRGB colour space for C00,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 54.08       | 78.07       | 69.05       | 104.22     | 0.2732 | -0.0376 | 41.4     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 96.91       | -22.5       | 96.56       | 99.15      | 0.207  | -0.0443 | 103.1    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 87.08       | -88.4       | 84.65       | 122.4      | 0.1738 | -0.046  | 136.2    | 25 529             | 7 435              |
| $C_{d,sRGB}$ | 90.76       | -47.89      | -14.77      | 50.11      | 0.1944 | -0.0951 | 197.1    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 33.54       | 78.87       | -106.39     | 132.44     | 0.2971 | -0.1976 | 306.5    | 10 452             | 27 537             |
| $M_{d,sRGB}$ | 61.5        | 96.66       | -59.41      | 113.47     | 0.2798 | -0.1271 | 328.4    | -1 518c            | 23 518             |
| $R_{e,sRGB}$ | 50.92       | 75.23       | 39.05       | 84.76      | 0.2737 | -0.0582 | 27.4     | -1 474c            | 14 474             |
| $Y_{e,sRGB}$ | 83.64       | -6.73       | 86.08       | 86.34      | 0.2136 | -0.0439 | 94.4     | 32 563             | 13 465             |
| $G_{e,sRGB}$ | 85.14       | -67.32      | 24.36       | 71.59      | 0.1835 | -0.0757 | 160.1    | 21 507             | -1 507c            |
| $B_{e,sRGB}$ | 59.21       | -0.38       | -52.43      | 52.43      | 0.2168 | -0.1236 | 269.5    | 13 465             | 33 567             |

5-001530-L0

TN480-5N\_6

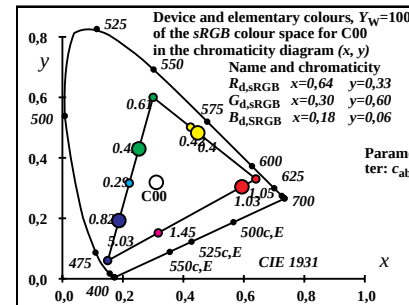
Device and elementary colours of the sRGB colour space for C00,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 54.08       | 78.69       | 70.63       | 105.74     | 0.2732 | -0.0376 | 41.9     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 96.91       | -22.68      | 98.68       | 101.26     | 0.207  | -0.0443 | 102.9    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 87.08       | -89.1       | 86.52       | 124.2      | 0.1739 | -0.046  | 135.8    | 25 529             | 7 436              |
| $C_{d,sRGB}$ | 90.76       | -48.27      | -15.09      | 50.57      | 0.1945 | -0.0951 | 197.3    | 15 477             | -1 477c            |
| $B_{d,sRGB}$ | 33.54       | 79.53       | -108.73     | 134.71     | 0.2972 | -0.1976 | 306.1    | 10 453             | 27 538             |
| $M_{d,sRGB}$ | 61.5        | 97.43       | -60.71      | 114.8      | 0.2799 | -0.1271 | 328.0    | -1 518c            | 23 518             |
| $R_{e,sRGB}$ | 50.92       | 75.83       | 39.93       | 85.7       | 0.2737 | -0.0582 | 27.7     | -1 474c            | 14 474             |
| $Y_{e,sRGB}$ | 83.64       | -6.78       | 87.98       | 88.24      | 0.2137 | -0.0439 | 94.4     | 32 563             | 13 465             |
| $G_{e,sRGB}$ | 85.14       | -67.85      | 24.89       | 72.28      | 0.1835 | -0.0757 | 159.8    | 21 507             | -1 507c            |
| $B_{e,sRGB}$ | 59.21       | -0.38       | -53.58      | 53.58      | 0.2168 | -0.1236 | 269.5    | 13 465             | 33 567             |

5-001530-L0

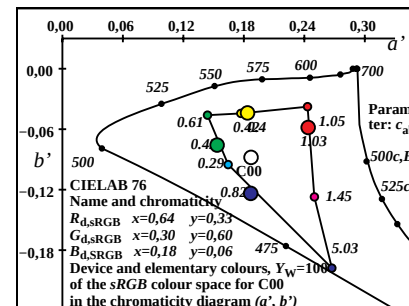
TN480-7N\_6

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



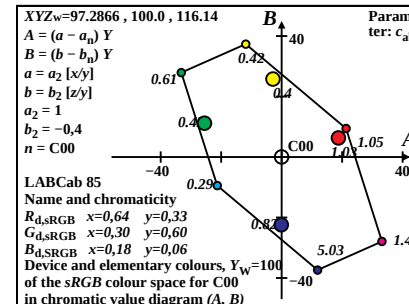
5-001530-L0

TN481-1N\_6



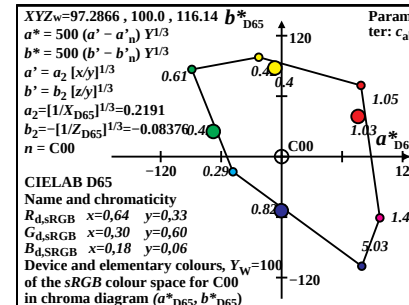
5-001530-L0

TN481-3N\_6



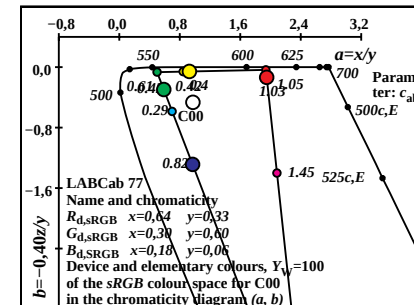
5-001530-L0

TN481-5N\_6



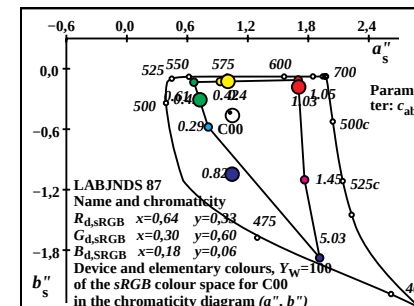
5-001530-L0

TN481-7N\_6



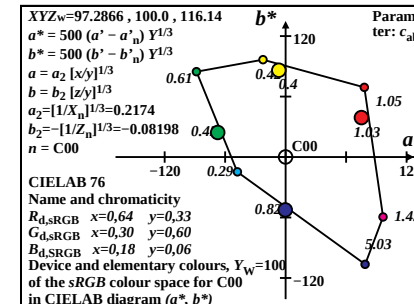
5-001530-L0

TN481-2N\_6



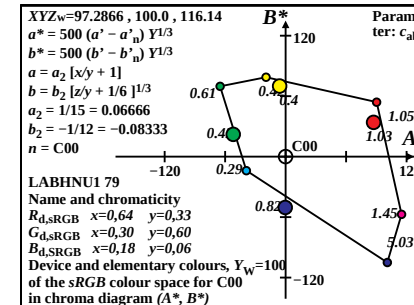
5-001530-L0

TN481-4N\_6



5-001530-L0

TN481-6N\_6



5-001530-L0

TN481-8N\_6

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

| Device and elementary colours of the sRGB colour space for P00, $Y_{w,10}=100$ |           |           |           |        |        |        |          |                  |                  |
|--------------------------------------------------------------------------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| <i>Code</i>                                                                    | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
| R <sub>d,sRGB</sub>                                                            | 56.72     | 29.24     | 2.65      | 0.64   | 0.33   | 0.03   | 355.3    | 41 609           | 16 482           |
| Y <sub>d,sRGB</sub>                                                            | 89.52     | 94.86     | 13.59     | 0.4521 | 0.4791 | 0.0686 | 54.1     | 33 565           | 10 452           |
| G <sub>d,sRGB</sub>                                                            | 32.8      | 65.61     | 10.93     | 0.3    | 0.6    | 0.0999 | 103.8    | 26 533           | -1 533c          |
| C <sub>d,sRGB</sub>                                                            | 45.65     | 70.75     | 78.59     | 0.2341 | 0.3628 | 0.403  | 175.3    | 16 482           | 41 609           |
| B <sub>d,sRGB</sub>                                                            | 12.84     | 5.13      | 67.65     | 0.15   | 0.06   | 0.79   | 234.2    | 10 452           | 33 565           |
| M <sub>d,sRGB</sub>                                                            | 69.56     | 34.38     | 70.31     | 0.3991 | 0.1973 | 0.4034 | 283.8    | -1 533c          | 26 533           |
| R <sub>e,sRGB</sub>                                                            | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 348.2    | 58 691           | 16 484           |
| Y <sub>e,sRGB</sub>                                                            | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 56.2     | 32 564           | 9 445            |
| G <sub>e,sRGB</sub>                                                            | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 144.5    | 18 491           | -1 491c          |
| B <sub>e,sRGB</sub>                                                            | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 222.5    | 13 466           | 34 570           |

TN480-1N 7

| <i>Code</i>         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| R <sub>d,sRGB</sub> | 29.24     | 26.77     | 8.44      | 28.07    | 1.9393 | -0.0363 | 17.4     | 42 611           | 17 485           |
| Y <sub>d,sRGB</sub> | 94.86     | -7.58     | 25.39     | 26.5     | 0.9437 | -0.0573 | 106.6    | 32 564           | -1 564a          |
| G <sub>d,sRGB</sub> | 65.61     | -34.36    | 16.95     | 38.31    | 0.4999 | -0.0666 | 153.7    | 25 529           | -1 529e          |
| C <sub>d,sRGB</sub> | 70.75     | -26.77    | -8.44     | 28.07    | 0.6452 | -0.4443 | 197.4    | 16 481           | 37 589           |
| B <sub>d,sRGB</sub> | 5.13      | 7.58      | -25.39    | 26.5     | 2.4999 | -5.2665 | 286.6    | 10 452           | 33 567           |
| M <sub>d,sRGB</sub> | 34.38     | 34.36     | -16.95    | 38.31    | 2.0231 | -0.8179 | 333.7    | -1 550c          | 30 550           |
| R <sub>e,sRGB</sub> | 19.19     | 17.78     | 3.66      | 18.15    | 1.9502 | -0.1343 | 11.6     | -1 487c          | 17 487           |
| Y <sub>e,sRGB</sub> | 63.38     | -6.08     | 16.94     | 18.0     | 0.9278 | -0.0576 | 109.7    | 32 563           | -1 563b          |
| G <sub>e,sRGB</sub> | 66.27     | -28.87    | 1.93      | 28.93    | 0.5881 | -0.2957 | 176.1    | 17 488           | -1 488e          |
| B <sub>e,sRGB</sub> | 27.25     | -1.48     | -26.21    | 26.25    | 0.9694 | -1.2869 | 266.7    | 13 466           | 34 571           |

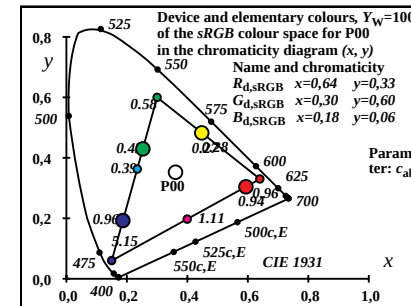
TN480-3N 7

| Device and elementary colours of the sRGB colour space for P00, $Y_{w,10}=100$ |             |             |             |            |        |         |          |                    |                    |
|--------------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| <i>Code</i>                                                                    | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
| R <sub>d,sRGB</sub>                                                            | 61.0        | 78.75       | 68.73       | 104.53     | 0.2732 | -0.0376 | 41.1     | -1 473c            | 14 473             |
| Y <sub>d,sRGB</sub>                                                            | 97.98       | -13.13      | 86.29       | 87.28      | 0.2148 | -0.0438 | 98.6     | 32 562             | 12 463             |
| G <sub>d,sRGB</sub>                                                            | 84.8        | -92.3       | 71.28       | 116.62     | 0.1738 | -0.046  | 142.3    | 25 529             | -1 529p            |
| C <sub>d,sRGB</sub>                                                            | 87.36       | -63.53      | -19.57      | 66.47      | 0.1893 | -0.0867 | 197.1    | 15 478             | -1 478m            |
| B <sub>d,sRGB</sub>                                                            | 27.15       | 64.38       | -113.76     | 130.71     | 0.2971 | -0.1976 | 299.5    | 11 455             | 29 547             |
| M <sub>d,sRGB</sub>                                                            | 65.27       | 89.28       | -50.46      | 102.55     | 0.277  | -0.1062 | 330.5    | -1 522c            | 24 522             |
| R <sub>e,sRGB</sub>                                                            | 50.92       | 69.1        | 29.41       | 75.1       | 0.2737 | -0.0582 | 23.0     | -1 476c            | 15 476             |
| Y <sub>e,sRGB</sub>                                                            | 83.64       | -13.85      | 75.25       | 76.51      | 0.2136 | -0.0439 | 100.4    | 32 561             | 12 463             |
| G <sub>e,sRGB</sub>                                                            | 85.14       | -73.53      | 5.39        | 73.73      | 0.1835 | -0.0757 | 175.8    | 19 495             | -1 495e            |
| B <sub>e,sRGB</sub>                                                            | 59.21       | -5.83       | -75.46      | 75.69      | 0.2168 | -0.1236 | 265.5    | 13 466             | 34 572             |

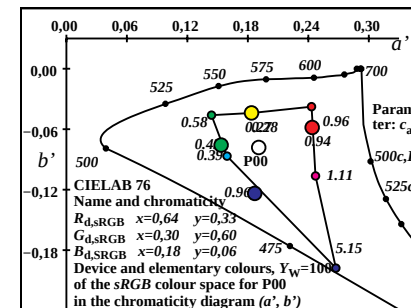
TN480-5N 7

| Device and elementary colours of the sRGB colour space for P00, $Y_{w,10}=100$ |             |             |             |            |        |         |          |                    |                    |
|--------------------------------------------------------------------------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| <i>Code</i> D65                                                                | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
| R <sub>d,sRGB</sub>                                                            | 61.0        | 80.74       | 62.39       | 102.04     | 0.2732 | -0.0376 | 37.6     | -1 473c            | 14 473             |
| Y <sub>d,sRGB</sub>                                                            | 97.98       | -13.46      | 78.28       | 79.43      | 0.2149 | -0.0438 | 99.7     | 32 561             | 12 463             |
| G <sub>d,sRGB</sub>                                                            | 84.8        | -94.63      | 64.66       | 114.62     | 0.1739 | -0.046  | 145.6    | 25 526             | -1 526b            |
| C <sub>d,sRGB</sub>                                                            | 87.36       | -65.13      | -17.75      | 67.5       | 0.1893 | -0.0867 | 195.2    | 15 479             | -1 479c            |
| B <sub>d,sRGB</sub>                                                            | 27.15       | 66.05       | -103.22     | 122.54     | 0.2972 | -0.1976 | 302.6    | 10 453             | 29 545             |
| M <sub>d,sRGB</sub>                                                            | 65.27       | 91.53       | -45.78      | 102.34     | 0.277  | -0.1063 | 333.4    | -1 519c            | 23 519             |
| R <sub>e,sRGB</sub>                                                            | 50.92       | 70.85       | 26.69       | 75.71      | 0.2737 | -0.0582 | 20.6     | -1 477c            | 15 477             |
| Y <sub>e,sRGB</sub>                                                            | 83.64       | -14.2       | 68.27       | 69.73      | 0.2137 | -0.0439 | 101.7    | 32 560             | 12 462             |
| G <sub>e,sRGB</sub>                                                            | 85.14       | -75.38      | 4.89        | 75.54      | 0.1835 | -0.0757 | 176.2    | 18 494             | -1 494a            |
| B <sub>e,sRGB</sub>                                                            | 59.21       | -5.98       | -68.45      | 68.71      | 0.2168 | -0.1236 | 265.0    | 13 466             | 34 573             |

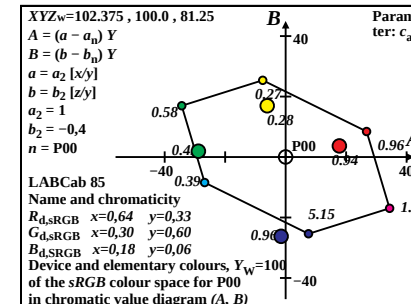
TN480-7N 7



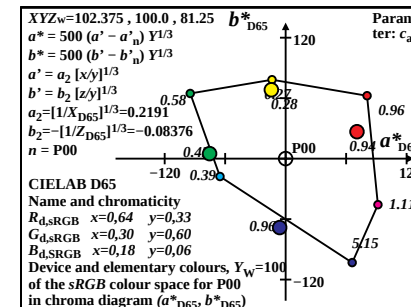
TN481-1N 7



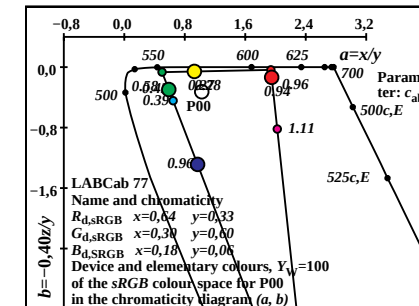
TN481-3N 7



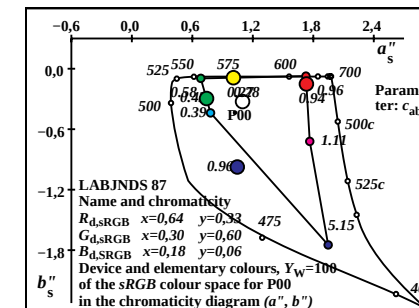
TN481-5N 7



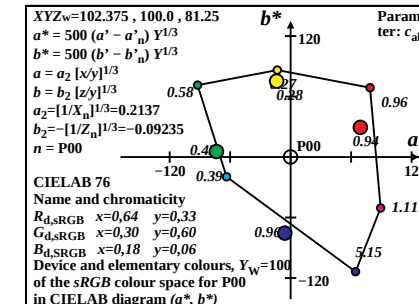
TN481-7N 7



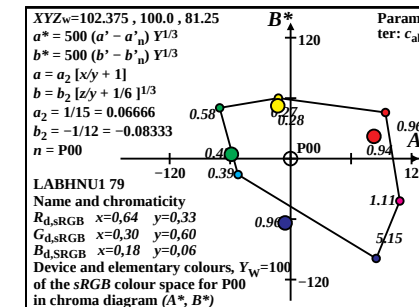
TN481-2N 7



TN481-4N 7



TN481-6N 7



TN481-8N 7

TUB-test chart TN48; *sRGB*: Basic and mixture colours  
*XYZ*, *YABCh*, *LabCh\** data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared

Device and elementary colours of the sRGB colour space for Q00,  $Y_{w,10}=100$

| Code         | $X_{100}$ | $Y_{100}$ | $Z_{100}$ | $x$    | $y$    | $z$    | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|--------|--------|--------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 42.76     | 22.04     | 2.0       | 0.64   | 0.33   | 0.03   | 2.3      | 41 608           | 15 478           |
| $Y_{d,sRGB}$ | 77.75     | 92.04     | 13.67     | 0.4238 | 0.5016 | 0.0745 | 58.1     | 32 560           | 10 451           |
| $G_{d,sRGB}$ | 34.99     | 69.99     | 11.66     | 0.3    | 0.6    | 0.0999 | 91.7     | 27 537           | -1 537c          |
| $C_{d,sRGB}$ | 54.88     | 77.95     | 116.41    | 0.2202 | 0.3127 | 0.467  | 182.3    | 15 478           | 41 608           |
| $B_{d,sRGB}$ | 19.89     | 7.95      | 104.75    | 0.15   | 0.06   | 0.79   | 238.2    | 10 451           | 32 560           |
| $M_{d,sRGB}$ | 62.65     | 30.0      | 106.75    | 0.3141 | 0.1504 | 0.5353 | 271.8    | -1 537c          | 27 537           |
| $R_{e,sRGB}$ | 37.43     | 19.19     | 6.44      | 0.5935 | 0.3043 | 0.1021 | 357.5    | 45 629           | 16 480           |
| $Y_{e,sRGB}$ | 58.8      | 63.38     | 9.13      | 0.4478 | 0.4826 | 0.0695 | 50.1     | 33 565           | 12 462           |
| $G_{e,sRGB}$ | 38.98     | 66.27     | 49.0      | 0.2526 | 0.4296 | 0.3176 | 116.3    | 21 506           | -1 506c          |
| $B_{e,sRGB}$ | 26.41     | 27.25     | 87.68     | 0.1868 | 0.1927 | 0.6203 | 225.3    | 13 465           | 33 567           |

5-001730-L0

TN480-1N\_8

Device and elementary colours of the sRGB colour space for Q00,  $Y_{w,10}=100$

| Code         | $Y_{100}$ | $A_{100}$ | $B_{100}$ | $C_{AB}$ | $a$    | $b$     | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|--------------|-----------|-----------|-----------|----------|--------|---------|----------|------------------|------------------|
| $R_{d,sRGB}$ | 22.04     | 21.23     | 9.64      | 23.31    | 1.9393 | -0.0363 | 24.4     | 41 607           | 15 477           |
| $Y_{d,sRGB}$ | 92.04     | -12.12    | 38.13     | 40.01    | 0.8448 | -0.0594 | 107.6    | 32 561           | 11 459           |
| $G_{d,sRGB}$ | 69.99     | -33.35    | 28.48     | 43.86    | 0.4999 | -0.0666 | 139.4    | 27 538           | -1 538c          |
| $C_{d,sRGB}$ | 77.95     | -21.23    | -9.64     | 23.31    | 0.7041 | -0.5974 | 204.4    | 16 480           | -1 480c          |
| $B_{d,sRGB}$ | 7.95      | 12.12     | -38.13    | 40.01    | 2.4999 | -5.2666 | 287.6    | 10 451           | 31 558           |
| $M_{d,sRGB}$ | 30.0      | 33.35     | -28.48    | 43.86    | 2.088  | -1.4231 | 319.4    | -1 524c          | 24 524           |
| $R_{e,sRGB}$ | 19.19     | 18.69     | 6.51      | 19.79    | 1.9502 | -0.1343 | 19.2     | 44 624           | 15 478           |
| $Y_{e,sRGB}$ | 63.38     | -3.08     | 26.37     | 26.55    | 0.9278 | -0.0576 | 96.6     | 33 565           | 12 464           |
| $G_{e,sRGB}$ | 66.27     | -25.74    | 11.79     | 28.31    | 0.5881 | -0.2957 | 155.3    | 23 518           | -1 518c          |
| $B_{e,sRGB}$ | 27.25     | -0.19     | -22.16    | 22.16    | 0.9694 | -1.2869 | 269.5    | 13 465           | 33 565           |

5-001730-L0

TN480-3N\_8

Device and elementary colours of the sRGB colour space for Q00,  $Y_{w,10}=100$

| Code         | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 54.09       | 77.61       | 69.39       | 104.1      | 0.2732 | -0.0376 | 41.8     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 96.84       | -22.92      | 97.14       | 99.81      | 0.2071 | -0.0443 | 103.2    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 86.99       | -88.76      | 85.18       | 123.03     | 0.1738 | -0.046  | 136.1    | 25 529             | 7 435              |
| $C_{d,sRGB}$ | 90.76       | -47.51      | -14.79      | 49.76      | 0.1949 | -0.0957 | 197.2    | 15 476             | -1 476c            |
| $B_{d,sRGB}$ | 33.91       | 79.09       | -105.93     | 132.21     | 0.2971 | -0.1976 | 306.7    | 10 452             | 27 537             |
| $M_{d,sRGB}$ | 61.66       | 96.49       | -59.3       | 113.26     | 0.2799 | -0.1278 | 328.4    | -1 518c            | 23 518             |
| $R_{e,sRGB}$ | 50.92       | 74.77       | 39.54       | 84.59      | 0.2737 | -0.0582 | 27.8     | -1 474c            | 14 474             |
| $Y_{e,sRGB}$ | 83.64       | -7.25       | 86.63       | 86.93      | 0.2136 | -0.0439 | 94.7     | 32 563             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -67.78      | 25.33       | 72.36      | 0.1835 | -0.0757 | 159.5    | 21 508             | -1 508c            |
| $B_{e,sRGB}$ | 59.21       | -0.78       | -51.25      | 51.26      | 0.2168 | -0.1236 | 269.1    | 13 465             | 33 568             |

5-001730-L0

TN480-5N\_8

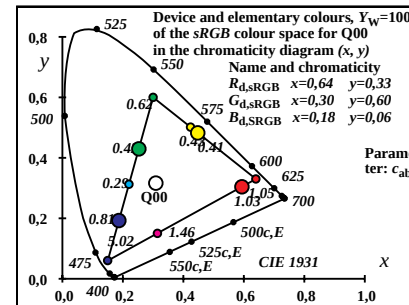
Device and elementary colours of the sRGB colour space for Q00,  $Y_{w,10}=100$

| CodeD65      | $L^*_{100}$ | $a^*_{100}$ | $b^*_{100}$ | $C^*_{ab}$ | $a'$   | $b'$    | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|--------------|-------------|-------------|-------------|------------|--------|---------|----------|--------------------|--------------------|
| $R_{d,sRGB}$ | 54.09       | 78.33       | 71.44       | 106.02     | 0.2732 | -0.0376 | 42.3     | -1 472c            | 14 472             |
| $Y_{d,sRGB}$ | 96.84       | -23.13      | 99.92       | 102.56     | 0.2071 | -0.0443 | 103.0    | 31 555             | 12 463             |
| $G_{d,sRGB}$ | 86.99       | -89.58      | 87.62       | 125.31     | 0.1739 | -0.046  | 135.6    | 25 529             | 7 437              |
| $C_{d,sRGB}$ | 90.76       | -47.95      | -15.22      | 50.31      | 0.1949 | -0.0957 | 197.6    | 15 476             | -1 476c            |
| $B_{d,sRGB}$ | 33.91       | 79.85       | -108.97     | 135.1      | 0.2972 | -0.1976 | 306.2    | 10 453             | 27 538             |
| $M_{d,sRGB}$ | 61.66       | 97.38       | -60.99      | 114.9      | 0.28   | -0.1278 | 327.9    | -1 518c            | 23 518             |
| $R_{e,sRGB}$ | 50.92       | 75.47       | 40.69       | 85.74      | 0.2737 | -0.0582 | 28.3     | -1 474c            | 14 474             |
| $Y_{e,sRGB}$ | 83.64       | -7.32       | 89.12       | 89.42      | 0.2137 | -0.0439 | 94.6     | 32 563             | 12 464             |
| $G_{e,sRGB}$ | 85.14       | -68.4       | 26.05       | 73.2       | 0.1835 | -0.0757 | 159.1    | 21 508             | -1 508c            |
| $B_{e,sRGB}$ | 59.21       | -0.79       | -52.72      | 52.72      | 0.2168 | -0.1236 | 269.1    | 13 465             | 33 568             |

5-001730-L0

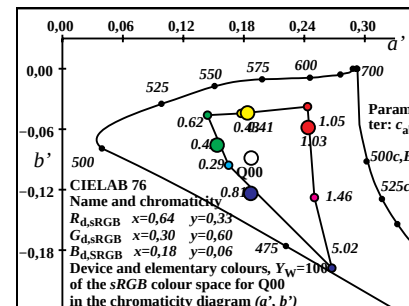
TN480-7N\_8

TUB-test chart TN48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



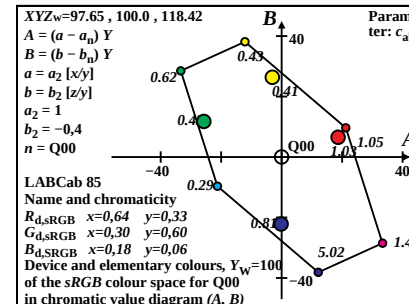
5-001730-L0

TN481-1N\_8



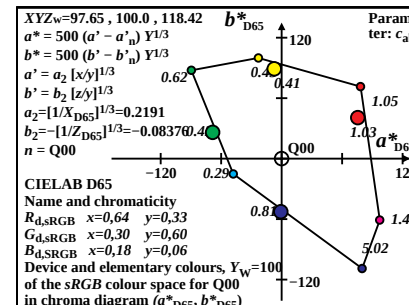
5-001730-L0

TN481-3N\_8



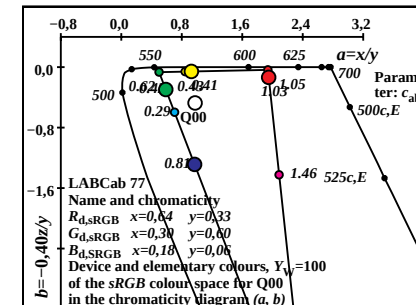
5-001730-L0

TN481-5N\_8



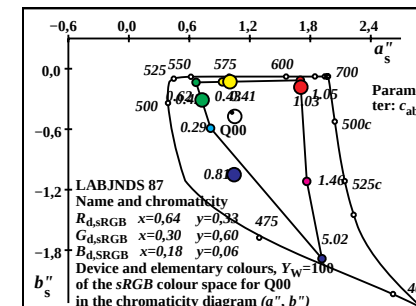
5-001730-L0

TN481-7N\_8



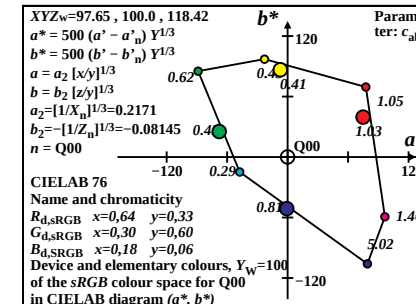
5-001730-L0

TN481-2N\_8



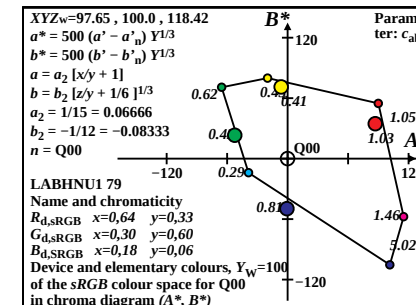
5-001730-L0

TN481-4N\_8



5-001730-L0

TN481-6N\_8



5-001730-L0

TN481-8N\_8

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared