

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |

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TS480-1N\_1

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |

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TS480-3N\_1

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |

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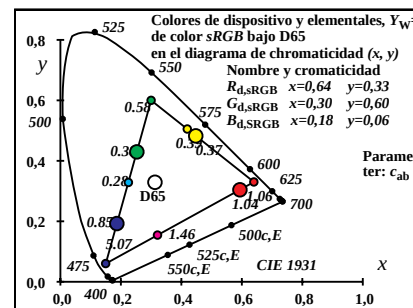
TS480-5N\_1

| Colores de dispositivo y elementales de color sRGB bajo 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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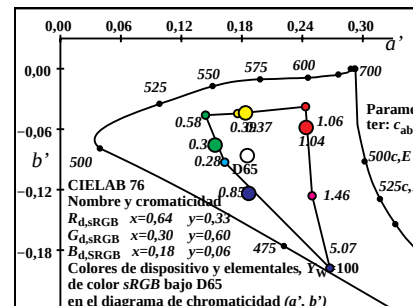
TS480-7N\_1

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



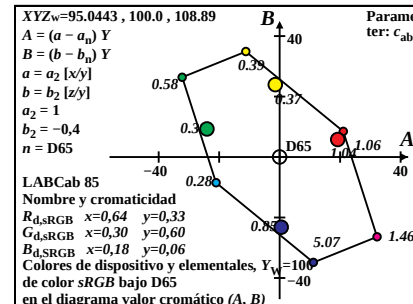
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TS481-1N\_1



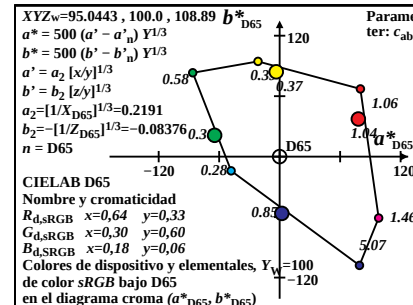
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TS481-3N\_1



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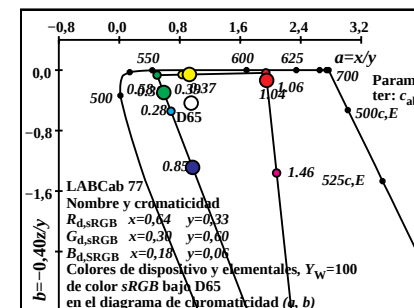
TS481-5N\_1



2-000030-L0

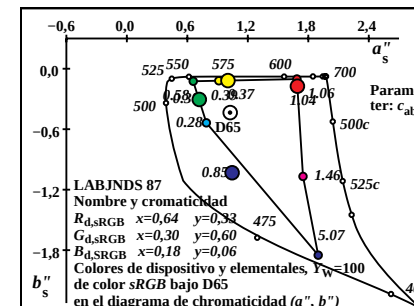
TS481-7N\_1

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio



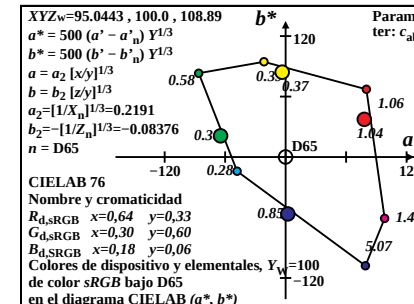
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TS481-2N\_1



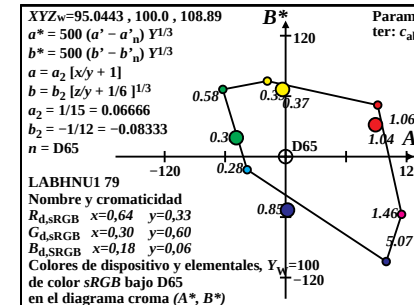
2-000030-L0

TS481-4N\_1



2-000030-L0

TS481-6N\_1



2-000030-L0

TS481-8N\_1

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |  |

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TS480-1N\_2

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |  |

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TS480-3N\_2

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |  |

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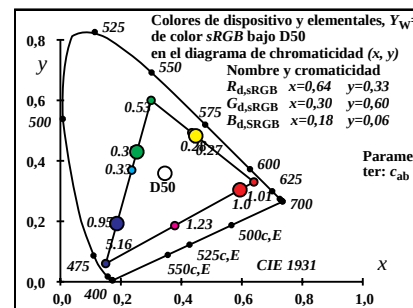
TS480-5N\_2

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |  |

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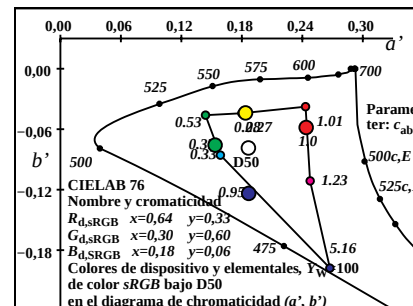
TS480-7N\_2

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



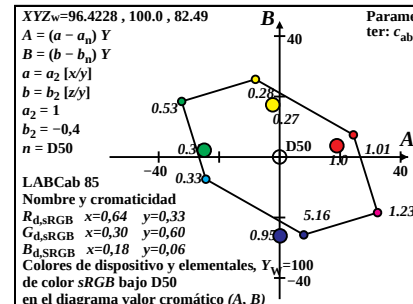
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TS481-1N\_2



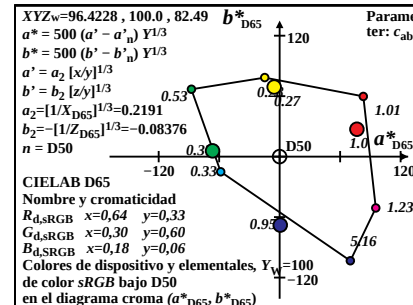
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TS481-3N\_2



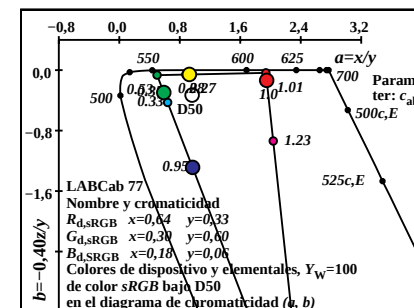
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TS481-5N\_2



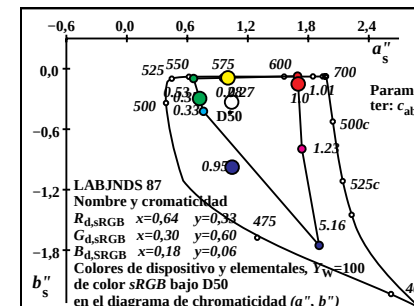
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TS481-7N\_2



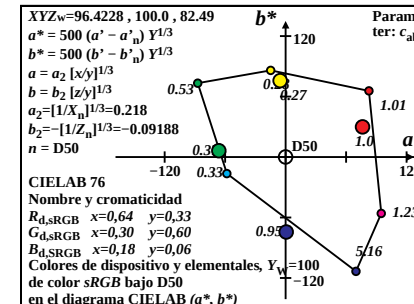
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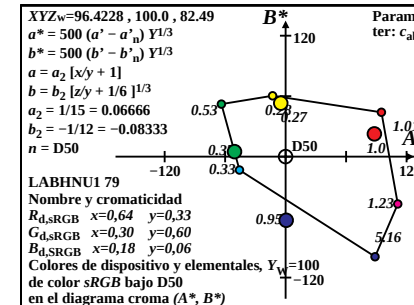
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TS481-4N\_2



2-000130-L0

TS481-6N\_2



2-000130-L0

TS481-8N\_2

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_w=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | <i>h<sub>xy</sub></i> | <i>i<sub>d</sub></i> , <i>λ<sub>d</sub></i> | <i>i<sub>c</sub></i> , <i>λ<sub>c</sub></i> |
|---------------------|------------------|------------------|------------------|--------|--------|--------|-----------------------|---------------------------------------------|---------------------------------------------|
| R <sub>d,sRGB</sub> | 58.19            | 30.0             | 2.72             | 0.64   | 0.3299 | 0.03   | 349.8                 | 41 608                                      | 18 491                                      |
| Y <sub>d,sRGB</sub> | 91.25            | 96.13            | 13.74            | 0.4537 | 0.4779 | 0.0683 | 53.9                  | 34 570                                      | 12 460                                      |
| G <sub>d,sRGB</sub> | 33.06            | 66.12            | 11.02            | 0.3    | 0.6    | 0.0999 | 109.6                 | 27 537                                      | -1 537c                                     |
| C <sub>d,sRGB</sub> | 42.73            | 69.99            | 61.96            | 0.2446 | 0.4006 | 0.3547 | 169.8                 | 18 491                                      | 41 608                                      |
| B <sub>d,sRGB</sub> | 9.67             | 3.86             | 50.94            | 0.1499 | 0.0599 | 0.79   | 234.0                 | 12 460                                      | 34 570                                      |
| M <sub>d,sRGB</sub> | 67.87            | 33.87            | 53.66            | 0.4366 | 0.2179 | 0.3453 | 289.7                 | -1 537c                                     | 27 537                                      |
| R <sub>e,sRGB</sub> | 37.43            | 19.19            | 6.44             | 0.5935 | 0.3043 | 0.1021 | 341.3                 | -1 493c                                     | 18 493                                      |
| Y <sub>e,sRGB</sub> | 58.8             | 63.38            | 9.13             | 0.4478 | 0.4826 | 0.0695 | 57.3                  | 33 569                                      | 9 448                                       |
| G <sub>e,sRGB</sub> | 38.98            | 66.27            | 49.0             | 0.2526 | 0.4296 | 0.3176 | 157.3                 | 18 494                                      | -1 494c                                     |
| B <sub>e,sRGB</sub> | 26.41            | 27.25            | 87.68            | 0.1868 | 0.1927 | 0.6203 | 223.5                 | 14 472                                      | 34 573                                      |

2-000230-L0

TS480-1N\_3

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_w=100$

| Code                | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | a      | b       | <i>h<sub>AB</sub></i> | <i>i<sub>d</sub></i> , <i>λ<sub>d</sub></i> | <i>i<sub>c</sub></i> , <i>λ<sub>c</sub></i> |
|---------------------|------------------|------------------|------------------|-----------------|--------|---------|-----------------------|---------------------------------------------|---------------------------------------------|
| R <sub>d,sRGB</sub> | 30.0             | 27.9             | 6.67             | 28.69           | 1.9393 | -0.0363 | 13.4                  | 44 620                                      | 20 500                                      |
| Y <sub>d,sRGB</sub> | 96.13            | -5.76            | 19.37            | 20.21           | 0.9493 | -0.0572 | 106.5                 | 33 568                                      | -1 568c                                     |
| G <sub>d,sRGB</sub> | 66.12            | -33.67           | 12.7             | 35.99           | 0.4999 | -0.0666 | 159.3                 | 23 519                                      | -1 519c                                     |
| C <sub>d,sRGB</sub> | 69.99            | -27.91           | -6.67            | 28.69           | 0.6105 | -0.3541 | 193.4                 | 17 488                                      | 36 580                                      |
| B <sub>d,sRGB</sub> | 3.86             | 5.76             | -19.37           | 20.21           | 2.4999 | -5.2665 | 286.5                 | 12 460                                      | 34 572                                      |
| M <sub>d,sRGB</sub> | 33.87            | 33.67            | -12.7            | 35.99           | 2.0034 | -0.6336 | 339.3                 | -1 564c                                     | 32 564                                      |
| R <sub>e,sRGB</sub> | 19.19            | 18.06            | 2.38             | 18.21           | 1.9502 | -0.1343 | 7.5                   | -1 507c                                     | 21 507                                      |
| Y <sub>e,sRGB</sub> | 63.38            | -5.16            | 12.74            | 13.75           | 0.9278 | -0.0576 | 112.0                 | 33 566                                      | -1 566c                                     |
| G <sub>e,sRGB</sub> | 66.27            | -27.91           | -2.45            | 28.02           | 0.5881 | -0.2957 | 185.0                 | 18 490                                      | 36 583                                      |
| B <sub>e,sRGB</sub> | 27.25            | -1.08            | -28.02           | 28.04           | 0.9694 | -1.2869 | 267.7                 | 14 472                                      | 34 573                                      |

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TS480-3N\_3

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_w=100$

| Code                | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | <i>h<sub>ab</sub></i> | <i>i<sub>d</sub></i> , <i>λ*<sub>d</sub></i> | <i>i<sub>c</sub></i> , <i>λ*<sub>c</sub></i> |
|---------------------|-------------------|-------------------|-------------------|------------------|--------|---------|-----------------------|----------------------------------------------|----------------------------------------------|
| R <sub>d,sRGB</sub> | 61.67             | 81.4              | 64.24             | 103.69           | 0.2732 | -0.0376 | 38.2                  | -1 480c                                      | 16 480                                       |
| Y <sub>d,sRGB</sub> | 98.48             | -9.97             | 78.02             | 78.65            | 0.2153 | -0.0437 | 97.2                  | 33 569                                       | 14 470                                       |
| G <sub>d,sRGB</sub> | 85.06             | -90.91            | 63.35             | 110.81           | 0.1738 | -0.046  | 145.1                 | 27 535                                       | -1 535c                                      |
| C <sub>d,sRGB</sub> | 86.99             | -68.47            | -19.57            | 71.21            | 0.1858 | -0.0804 | 195.9                 | 17 486                                       | -1 486c                                      |
| B <sub>d,sRGB</sub> | 23.26             | 59.63             | -116.99           | 131.31           | 0.2971 | -0.1976 | 297.0                 | 12 464                                       | 31 557                                       |
| M <sub>d,sRGB</sub> | 64.87             | 89.47             | -48.5             | 101.77           | 0.2761 | -0.0976 | 331.5                 | -1 529c                                      | 25 529                                       |
| R <sub>e,sRGB</sub> | 50.92             | 70.8              | 22.63             | 74.33            | 0.2737 | -0.0582 | 17.7                  | -1 485c                                      | 17 485                                       |
| Y <sub>e,sRGB</sub> | 83.64             | -11.88            | 67.63             | 68.67            | 0.2136 | -0.0439 | 99.9                  | 33 567                                       | 13 469                                       |
| G <sub>e,sRGB</sub> | 85.14             | -71.81            | -7.94             | 72.25            | 0.1835 | -0.0757 | 186.3                 | 18 491                                       | -1 491c                                      |
| B <sub>e,sRGB</sub> | 59.21             | -4.32             | -91.66            | 91.76            | 0.2168 | -0.1236 | 267.2                 | 14 472                                       | 34 574                                       |

2-000230-L0

TS480-5N\_3

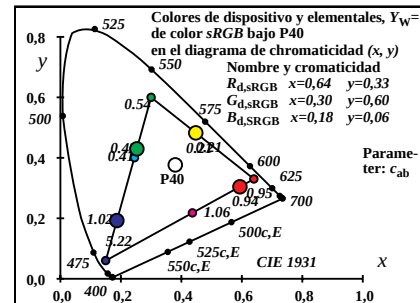
### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_w=100$

| CodeD65             | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | <i>h<sub>ab</sub></i> | <i>i<sub>d</sub></i> , <i>λ*<sub>d</sub></i> | <i>i<sub>c</sub></i> , <i>λ*<sub>c</sub></i> |
|---------------------|-------------------|-------------------|-------------------|------------------|--------|---------|-----------------------|----------------------------------------------|----------------------------------------------|
| R <sub>d,sRGB</sub> | 61.67             | 83.06             | 54.04             | 99.09            | 0.2732 | -0.0376 | 33.0                  | -1 481c                                      | 16 481                                       |
| Y <sub>d,sRGB</sub> | 98.48             | -10.17            | 65.59             | 66.38            | 0.2153 | -0.0438 | 98.8                  | 33 568                                       | 14 470                                       |
| G <sub>d,sRGB</sub> | 85.06             | -92.77            | 53.27             | 106.97           | 0.1739 | -0.046  | 150.1                 | 26 530                                       | -1 530c                                      |
| C <sub>d,sRGB</sub> | 86.99             | -69.87            | -16.45            | 71.78            | 0.1858 | -0.0804 | 193.2                 | 17 487                                       | -1 487c                                      |
| B <sub>d,sRGB</sub> | 23.26             | 60.9              | -98.39            | 115.71           | 0.2972 | -0.1976 | 301.7                 | 12 462                                       | 30 554                                       |
| M <sub>d,sRGB</sub> | 64.87             | 91.3              | -40.77            | 99.99            | 0.2761 | -0.0976 | 335.9                 | -1 524c                                      | 24 524                                       |
| R <sub>e,sRGB</sub> | 50.92             | 72.25             | 19.04             | 74.71            | 0.2737 | -0.0582 | 14.7                  | -1 486c                                      | 17 486                                       |
| Y <sub>e,sRGB</sub> | 83.64             | -12.12            | 56.87             | 58.15            | 0.2137 | -0.0439 | 102.0                 | 33 566                                       | 13 469                                       |
| G <sub>e,sRGB</sub> | 85.14             | -73.27            | -6.67             | 73.58            | 0.1835 | -0.0757 | 185.2                 | 18 492                                       | -1 492c                                      |
| B <sub>e,sRGB</sub> | 59.21             | -4.41             | -77.06            | 77.18            | 0.2168 | -0.1236 | 266.7                 | 14 472                                       | 35 575                                       |

2-000230-L0

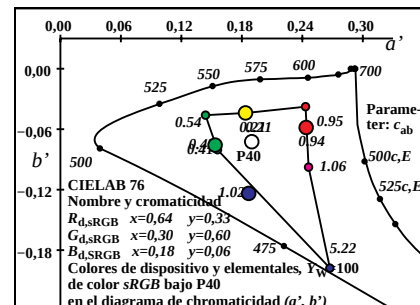
TS480-7N\_3

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



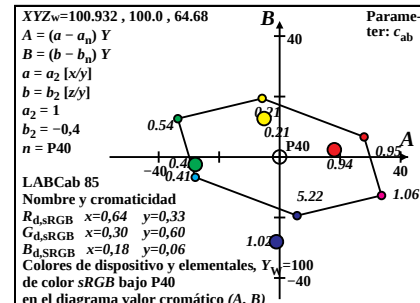
2-000230-L0

TS481-1N\_3



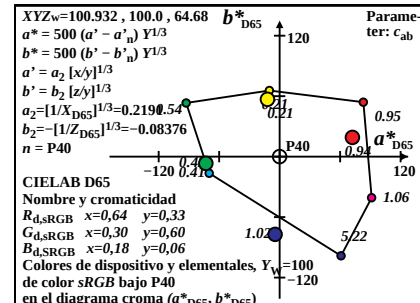
2-000230-L0

TS481-3N\_3



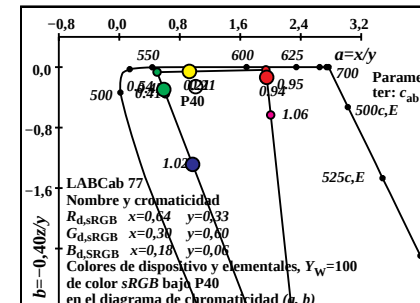
2-000230-L0

TS481-5N\_3



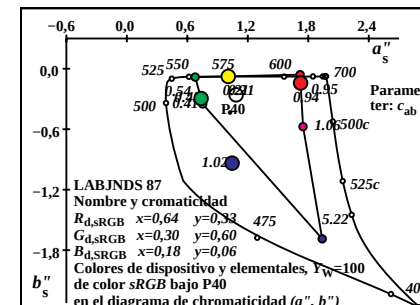
2-000230-L0

TS481-7N\_3



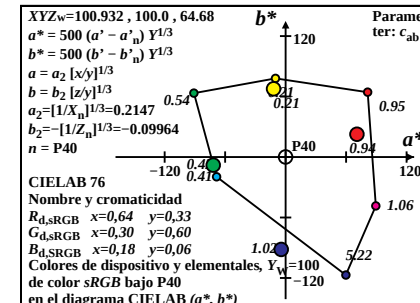
2-000230-L0

TS481-2N\_3



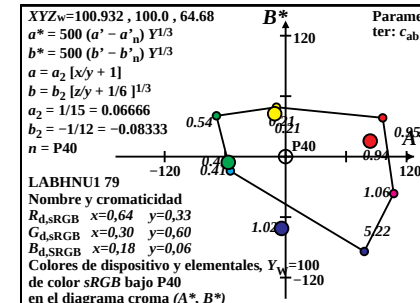
2-000230-L0

TS481-4N\_3



2-000230-L0

TS481-6N\_3



2-000230-L0

TS481-8N\_3

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |  |

2-000330-L0

TS480-1N\_4

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |  |

2-000330-L0

TS480-3N\_4

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |  |

2-000330-L0

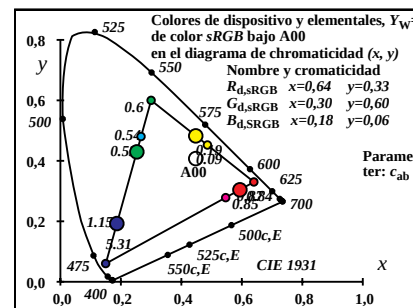
TS480-5N\_4

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |  |

2-000330-L0

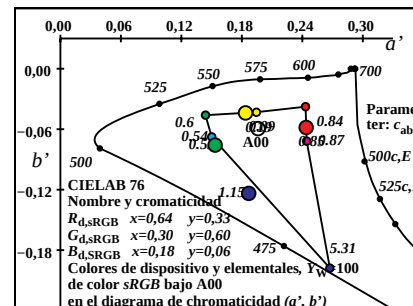
TS480-7N\_4

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



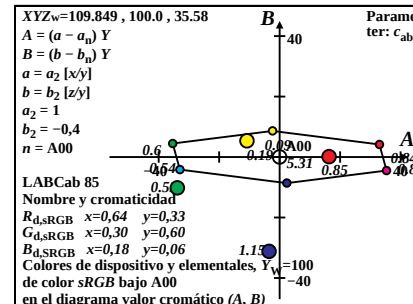
2-000330-L0

TS481-1N\_4



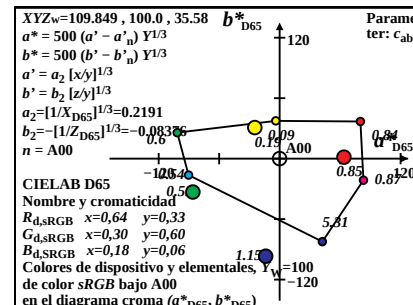
2-000330-L0

TS481-3N\_4



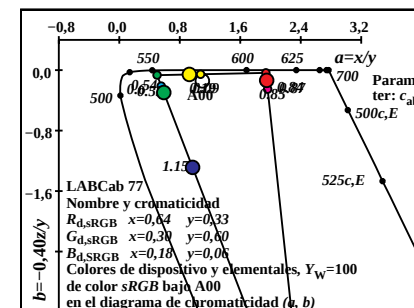
2-000330-L0

TS481-5N\_4



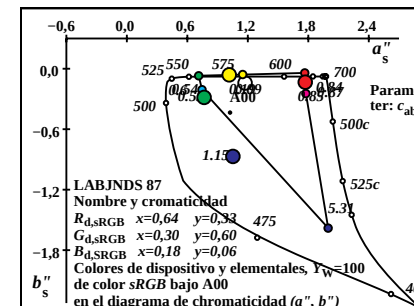
2-000330-L0

TS481-7N\_4



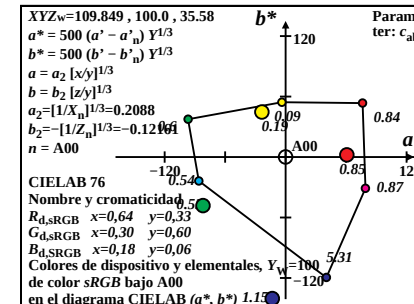
2-000330-L0

TS481-2N\_4



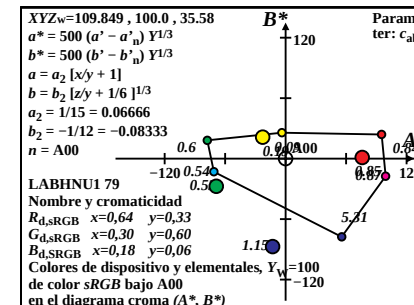
2-000330-L0

TS481-4N\_4



2-000330-L0

TS481-6N\_4



2-000330-L0

TS481-8N\_4

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_w=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|------------------|------------------|------------------|--------|--------|--------|----------|------------------|------------------|
| R <sub>d,sRGB</sub> | 49.69            | 25.62            | 2.32             | 0.64   | 0.33   | 0.03   | 359.3    | 41 606           | 17 486           |
| Y <sub>d,sRGB</sub> | 83.6             | 93.44            | 13.63            | 0.4384 | 0.49   | 0.0714 | 56.1     | 33 568           | 11 459           |
| G <sub>d,sRGB</sub> | 33.9             | 67.81            | 11.3             | 0.3    | 0.6    | 0.0999 | 97.1     | 28 542           | -1 542c          |
| C <sub>d,sRGB</sub> | 50.3             | 74.37            | 97.67            | 0.2262 | 0.3344 | 0.4392 | 179.3    | 17 486           | 41 606           |
| B <sub>d,sRGB</sub> | 16.39            | 6.55             | 86.36            | 0.15   | 0.06   | 0.7899 | 236.1    | 11 459           | 33 568           |
| M <sub>d,sRGB</sub> | 66.09            | 32.18            | 88.69            | 0.3534 | 0.1721 | 0.4743 | 277.1    | -1 542c          | 28 542           |
| R <sub>e,sRGB</sub> | 37.43            | 19.19            | 6.44             | 0.5935 | 0.3043 | 0.1021 | 353.6    | 45 625           | 17 488           |
| Y <sub>e,sRGB</sub> | 58.8             | 63.38            | 9.13             | 0.4478 | 0.4826 | 0.0695 | 52.4     | 33 569           | 13 465           |
| G <sub>e,sRGB</sub> | 38.98            | 66.27            | 49.0             | 0.2526 | 0.4296 | 0.3176 | 129.9    | 20 503           | -1 503c          |
| B <sub>e,sRGB</sub> | 26.41            | 27.25            | 87.68            | 0.1868 | 0.1927 | 0.6203 | 223.8    | 14 472           | 34 573           |

2-000430-L0

TS480-1N\_5

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_w=100$

| Code                | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | a      | b       | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|------------------|------------------|------------------|-----------------|--------|---------|----------|------------------|------------------|
| R <sub>d,sRGB</sub> | 25.62            | 24.06            | 9.31             | 25.81           | 1.9393 | -0.0363 | 21.1     | 41 606           | 17 486           |
| Y <sub>d,sRGB</sub> | 93.44            | -9.83            | 31.92            | 33.4            | 0.8947 | -0.0583 | 107.1    | 33 568           | 11 459           |
| G <sub>d,sRGB</sub> | 67.81            | -33.9            | 22.6             | 40.75           | 0.4999 | -0.0666 | 146.3    | 28 542           | -1 542c          |
| C <sub>d,sRGB</sub> | 74.37            | -24.06           | -9.31            | 25.81           | 0.6763 | -0.5252 | 201.1    | 17 486           | 41 606           |
| B <sub>d,sRGB</sub> | 6.55             | 9.83             | -31.92           | 33.4            | 2.4999 | -5.2665 | 287.1    | 11 459           | 33 568           |
| M <sub>d,sRGB</sub> | 32.18            | 33.9             | -22.6            | 40.75           | 2.0536 | -1.1024 | 326.3    | -1 542c          | 28 542           |
| R <sub>e,sRGB</sub> | 19.19            | 18.23            | 5.09             | 18.93           | 1.9502 | -0.1343 | 15.6     | 45 625           | 17 488           |
| Y <sub>e,sRGB</sub> | 63.38            | -4.57            | 21.7             | 22.17           | 0.9278 | -0.0576 | 101.9    | 33 569           | 13 465           |
| G <sub>e,sRGB</sub> | 66.27            | -27.29           | 6.9              | 28.16           | 0.5881 | -0.2957 | 165.7    | 20 503           | -1 503c          |
| B <sub>e,sRGB</sub> | 27.25            | -0.83            | -24.17           | 24.18           | 0.9694 | -1.2869 | 268.0    | 14 472           | 34 573           |

2-000430-L0

TS480-3N\_5

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_w=100$

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

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TS480-5N\_5

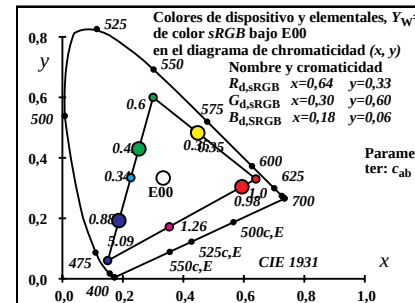
### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_w=100$

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

2-000430-L0

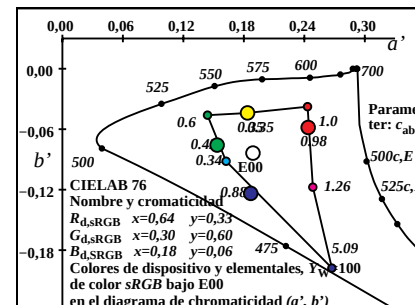
TS480-7N\_5

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



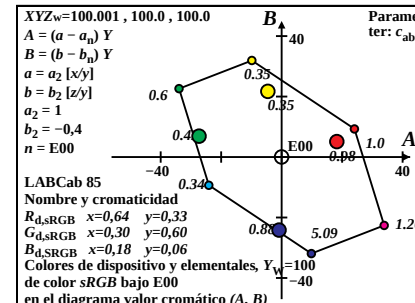
2-000430-L0

TS481-1N\_5



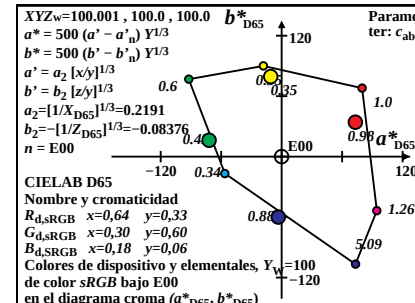
2-000430-L0

TS481-3N\_5



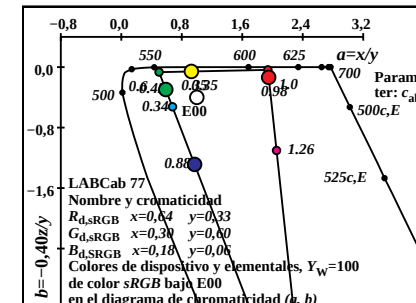
2-000430-L0

TS481-5N\_5



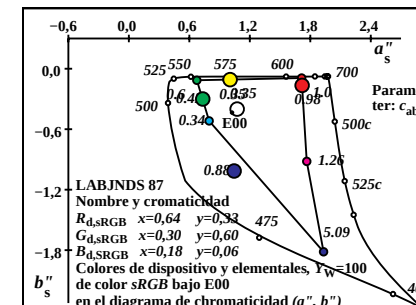
2-000430-L0

TS481-7N\_5



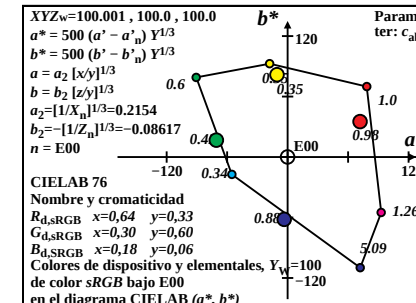
2-000430-L0

TS481-2N\_5



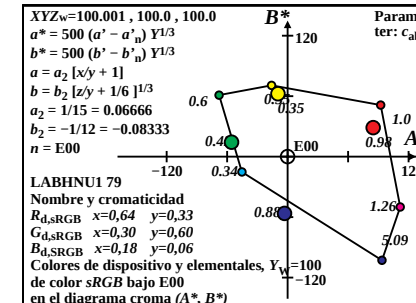
2-000430-L0

TS481-4N\_5



2-000430-L0

TS481-6N\_5



2-000430-L0

TS481-8N\_5

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

| Colores de dispositivo y elementales de color sRGB bajo C00, $Y_w=100$ |                  |                  |                  |        |        |        |          |                  |                  |  |
|------------------------------------------------------------------------|------------------|------------------|------------------|--------|--------|--------|----------|------------------|------------------|--|
| Code                                                                   | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| R <sub>d,sRGB</sub>                                                    | 43.36            | 22.36            | 2.03             | 0.64   | 0.33   | 0.03   | 2.4      | 41 605           | 17 485           |  |
| Y <sub>d,sRGB</sub>                                                    | 78.21            | 92.05            | 13.64            | 0.4252 | 0.5005 | 0.0742 | 57.9     | 33 566           | 11 459           |  |
| G <sub>d,sRGB</sub>                                                    | 34.84            | 69.69            | 11.61            | 0.3    | 0.6    | 0.0999 | 92.0     | 28 544           | -1 544c          |  |
| C <sub>d,sRGB</sub>                                                    | 54.7             | 77.63            | 116.19           | 0.2201 | 0.3123 | 0.4675 | 182.4    | 17 485           | 41 605           |  |
| B <sub>d,sRGB</sub>                                                    | 19.85            | 7.94             | 104.57           | 0.1499 | 0.0599 | 0.7899 | 238.0    | 11 459           | 33 566           |  |
| M <sub>d,sRGB</sub>                                                    | 63.22            | 30.3             | 106.6            | 0.3159 | 0.1514 | 0.5326 | 272.0    | -1 544c          | 28 544           |  |
| R <sub>e,sRGB</sub>                                                    | 37.43            | 19.19            | 6.44             | 0.5935 | 0.3043 | 0.1021 | 357.6    | 43 619           | 17 486           |  |
| Y <sub>e,sRGB</sub>                                                    | 58.8             | 63.38            | 9.13             | 0.4478 | 0.4826 | 0.0695 | 50.3     | 34 570           | 13 468           |  |
| G <sub>e,sRGB</sub>                                                    | 38.98            | 66.27            | 49.0             | 0.2526 | 0.4296 | 0.3176 | 116.7    | 22 512           | -1 512c          |  |
| B <sub>e,sRGB</sub>                                                    | 26.41            | 27.25            | 87.68            | 0.1868 | 0.1927 | 0.6203 | 225.0    | 14 472           | 34 572           |  |

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TS480-1N\_6

| Colores de dispositivo y elementales de color sRGB bajo C00, $Y_w=100$ |                  |                  |                  |                 |        |         |          |                  |                  |  |
|------------------------------------------------------------------------|------------------|------------------|------------------|-----------------|--------|---------|----------|------------------|------------------|--|
| Code                                                                   | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | a      | b       | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |  |
| R <sub>d,sRGB</sub>                                                    | 22.36            | 21.43            | 9.76             | 23.55           | 1.9393 | -0.0363 | 24.4     | 41 605           | 16 484           |  |
| Y <sub>d,sRGB</sub>                                                    | 92.05            | -12.06           | 38.07            | 39.94           | 0.8496 | -0.0593 | 107.5    | 33 566           | 13 465           |  |
| G <sub>d,sRGB</sub>                                                    | 69.69            | -33.5            | 28.31            | 43.86           | 0.4999 | -0.0666 | 139.8    | 29 545           | -1 545c          |  |
| C <sub>d,sRGB</sub>                                                    | 77.63            | -21.43           | -9.76            | 23.55           | 0.7046 | -0.5986 | 204.4    | 17 487           | -1 487c          |  |
| B <sub>d,sRGB</sub>                                                    | 7.94             | 12.06            | -38.07           | 39.94           | 2.4999 | -5.2666 | 287.5    | 11 459           | 32 564           |  |
| M <sub>d,sRGB</sub>                                                    | 30.3             | 33.5             | -28.31           | 43.86           | 2.0863 | -1.4072 | 319.8    | -1 531c          | 26 531           |  |
| R <sub>e,sRGB</sub>                                                    | 19.19            | 18.6             | 6.49             | 19.71           | 1.9502 | -0.1343 | 19.2     | 43 616           | 17 485           |  |
| Y <sub>e,sRGB</sub>                                                    | 63.38            | -3.35            | 26.32            | 26.53           | 0.9278 | -0.0576 | 97.2     | 34 570           | 14 470           |  |
| G <sub>e,sRGB</sub>                                                    | 66.27            | -26.02           | 11.74            | 28.54           | 0.5881 | -0.2957 | 155.7    | 24 523           | -1 523c          |  |
| B <sub>e,sRGB</sub>                                                    | 27.25            | -0.3             | -22.18           | 22.18           | 0.9694 | -1.2869 | 269.2    | 14 472           | 34 571           |  |

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TS480-3N\_6

| Colores de dispositivo y elementales de color sRGB bajo C00, $Y_w=100$ |                   |                   |                   |                  |        |         |          |                    |                    |  |
|------------------------------------------------------------------------|-------------------|-------------------|-------------------|------------------|--------|---------|----------|--------------------|--------------------|--|
| Code                                                                   | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| R <sub>d,sRGB</sub>                                                    | 54.41             | 77.42             | 69.69             | 104.17           | 0.2732 | -0.0376 | 41.9     | -1 478c            | 15 478             |  |
| Y <sub>d,sRGB</sub>                                                    | 96.84             | -22.71            | 97.15             | 99.77            | 0.2075 | -0.0443 | 103.1    | 32 562             | 13 469             |  |
| G <sub>d,sRGB</sub>                                                    | 86.85             | -89.15            | 85.01             | 123.18           | 0.1738 | -0.046  | 136.3    | 27 535             | 9 448              |  |
| C <sub>d,sRGB</sub>                                                    | 90.61             | -47.95            | -15.02            | 50.25            | 0.1949 | -0.0957 | 197.3    | 16 483             | -1 483c            |  |
| B <sub>d,sRGB</sub>                                                    | 33.88             | 78.63             | -105.98           | 131.97           | 0.2971 | -0.1976 | 306.5    | 12 461             | 28 544             |  |
| M <sub>d,sRGB</sub>                                                    | 61.92             | 96.07             | -58.87            | 112.68           | 0.2799 | -0.1273 | 328.4    | -1 524c            | 24 524             |  |
| R <sub>e,sRGB</sub>                                                    | 50.92             | 74.25             | 39.5              | 84.11            | 0.2737 | -0.0582 | 28.0     | -1 480c            | 16 480             |  |
| Y <sub>e,sRGB</sub>                                                    | 83.64             | -7.86             | 86.58             | 86.94            | 0.2136 | -0.0439 | 95.1     | 33 568             | 14 471             |  |
| G <sub>e,sRGB</sub>                                                    | 85.14             | -68.3             | 25.25             | 72.82            | 0.1835 | -0.0757 | 159.7    | 22 513             | -1 513c            |  |
| B <sub>e,sRGB</sub>                                                    | 59.21             | -1.24             | -51.36            | 51.37            | 0.2168 | -0.1236 | 268.6    | 14 472             | 34 573             |  |

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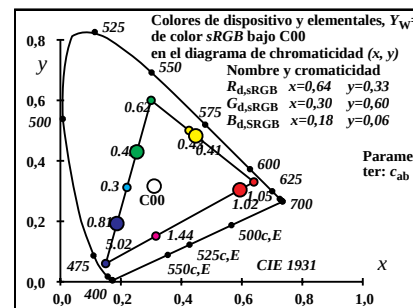
TS480-5N\_6

| Colores de dispositivo y elementales de color sRGB bajo C00, $Y_w=100$ |                   |                   |                   |                  |        |         |          |                    |                    |  |
|------------------------------------------------------------------------|-------------------|-------------------|-------------------|------------------|--------|---------|----------|--------------------|--------------------|--|
| CodeD65                                                                | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |  |
| R <sub>d,sRGB</sub>                                                    | 54.41             | 78.25             | 71.71             | 106.14           | 0.2732 | -0.0376 | 42.5     | -1 478c            | 15 478             |  |
| Y <sub>d,sRGB</sub>                                                    | 96.84             | -22.95            | 99.87             | 102.47           | 0.2075 | -0.0443 | 102.9    | 32 563             | 13 469             |  |
| G <sub>d,sRGB</sub>                                                    | 86.85             | -90.1             | 87.39             | 125.52           | 0.1739 | -0.046  | 135.8    | 27 536             | 9 449              |  |
| C <sub>d,sRGB</sub>                                                    | 90.61             | -48.46            | -15.44            | 50.86            | 0.1949 | -0.0958 | 197.6    | 16 483             | -1 483c            |  |
| B <sub>d,sRGB</sub>                                                    | 33.88             | 79.49             | -108.96           | 134.88           | 0.2972 | -0.1976 | 306.1    | 12 461             | 28 544             |  |
| M <sub>d,sRGB</sub>                                                    | 61.92             | 97.1              | -60.52            | 114.41           | 0.2799 | -0.1273 | 328.0    | -1 524c            | 24 524             |  |
| R <sub>e,sRGB</sub>                                                    | 50.92             | 75.05             | 40.63             | 85.34            | 0.2737 | -0.0582 | 28.4     | -1 480c            | 16 480             |  |
| Y <sub>e,sRGB</sub>                                                    | 83.64             | -7.94             | 89.02             | 89.37            | 0.2137 | -0.0439 | 95.1     | 33 568             | 14 471             |  |
| G <sub>e,sRGB</sub>                                                    | 85.14             | -69.03            | 25.95             | 73.75            | 0.1835 | -0.0757 | 159.3    | 22 513             | -1 513c            |  |
| B <sub>e,sRGB</sub>                                                    | 59.21             | -1.26             | -52.79            | 52.81            | 0.2168 | -0.1236 | 268.6    | 14 472             | 34 573             |  |

2-000530-L0

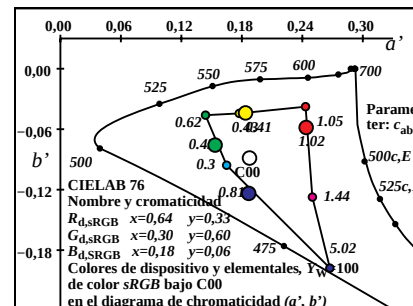
TS480-7N\_6

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



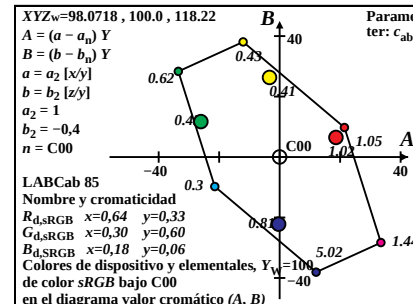
2-000530-L0

TS481-1N\_6



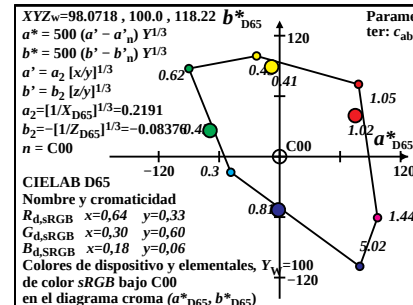
2-000530-L0

TS481-3N\_6



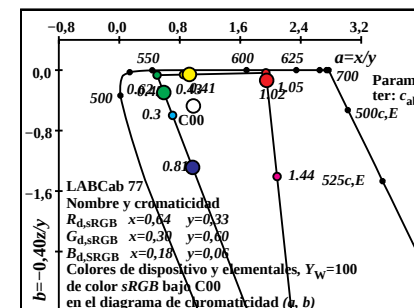
2-000530-L0

TS481-5N\_6



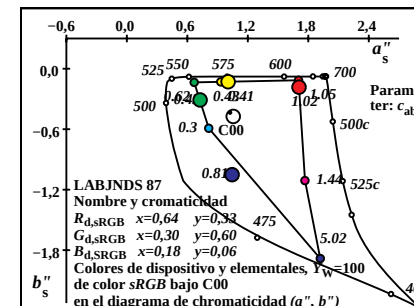
2-000530-L0

TS481-7N\_6



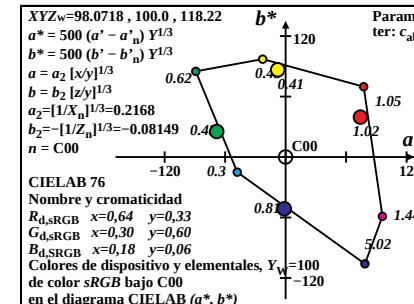
2-000530-L0

TS481-2N\_6



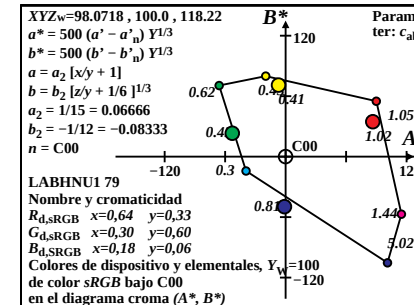
2-000530-L0

TS481-4N\_6



2-000530-L0

TS481-6N\_6



2-000530-L0

TS481-8N\_6

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_w=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|------------------|------------------|------------------|--------|--------|--------|----------|------------------|------------------|
| R <sub>d,sRGB</sub> | 56.34            | 29.05            | 2.64             | 0.64   | 0.33   | 0.03   | 355.2    | 41 607           | 17 488           |
| Y <sub>d,sRGB</sub> | 89.26            | 94.87            | 13.61            | 0.4513 | 0.4797 | 0.0688 | 54.2     | 34 570           | 11 459           |
| G <sub>d,sRGB</sub> | 32.91            | 65.82            | 10.97            | 0.3    | 0.6    | 0.0999 | 103.7    | 28 540           | -1 540c          |
| C <sub>d,sRGB</sub> | 45.71            | 70.94            | 78.41            | 0.2343 | 0.3636 | 0.4019 | 175.2    | 17 488           | 41 607           |
| B <sub>d,sRGB</sub> | 12.8             | 5.12             | 67.44            | 0.15   | 0.06   | 0.79   | 234.3    | 11 459           | 34 570           |
| M <sub>d,sRGB</sub> | 69.15            | 34.17            | 70.09            | 0.3987 | 0.197  | 0.4041 | 283.8    | -1 540c          | 28 540           |
| R <sub>e,sRGB</sub> | 37.43            | 19.19            | 6.44             | 0.5935 | 0.3043 | 0.1021 | 348.1    | 47 639           | 18 490           |
| Y <sub>e,sRGB</sub> | 58.8             | 63.38            | 9.13             | 0.4478 | 0.4826 | 0.0695 | 55.9     | 33 569           | 11 455           |
| G <sub>e,sRGB</sub> | 38.98            | 66.27            | 49.0             | 0.2526 | 0.4296 | 0.3176 | 144.6    | 19 497           | -1 497c          |
| B <sub>e,sRGB</sub> | 26.41            | 27.25            | 87.68            | 0.1868 | 0.1927 | 0.6203 | 222.7    | 14 472           | 34 574           |

2-000630-L0

TS480-1N\_7

### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_w=100$

| Code                | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | a      | b       | $h_{AB}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|------------------|------------------|------------------|-----------------|--------|---------|----------|------------------|------------------|
| R <sub>d,sRGB</sub> | 29.05            | 26.69            | 8.36             | 27.97           | 1.9393 | -0.0363 | 17.3     | 41 608           | 18 491           |
| Y <sub>d,sRGB</sub> | 94.87            | -7.57            | 25.31            | 26.42           | 0.9407 | -0.0573 | 106.6    | 33 569           | -1 569c          |
| G <sub>d,sRGB</sub> | 65.82            | -34.27           | 16.95            | 38.23           | 0.4999 | -0.0666 | 153.6    | 27 536           | -1 536c          |
| C <sub>d,sRGB</sub> | 70.94            | -26.69           | -8.36            | 27.97           | 0.6444 | -0.4421 | 197.3    | 17 487           | 38 590           |
| B <sub>d,sRGB</sub> | 5.12             | 7.57             | -25.31           | 26.42           | 2.4999 | -5.2665 | 286.6    | 12 460           | 34 571           |
| M <sub>d,sRGB</sub> | 34.17            | 34.27            | -16.95           | 38.23           | 2.0234 | -8.203  | 333.6    | -1 556c          | 31 556           |
| R <sub>e,sRGB</sub> | 19.19            | 17.84            | 3.64             | 18.21           | 1.9502 | -0.1343 | 11.5     | -1 493c          | 18 493           |
| Y <sub>e,sRGB</sub> | 63.38            | -5.88            | 16.89            | 17.89           | 0.9278 | -0.0576 | 109.2    | 33 568           | -1 568c          |
| G <sub>e,sRGB</sub> | 66.27            | -28.66           | 1.88             | 28.73           | 0.5881 | -0.2957 | 176.2    | 18 494           | -1 494c          |
| B <sub>e,sRGB</sub> | 27.25            | -1.39            | -26.23           | 26.27           | 0.9694 | -1.2869 | 266.9    | 14 473           | 35 575           |

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TS480-3N\_7

### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_w=100$

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

2-000630-L0

TS480-5N\_7

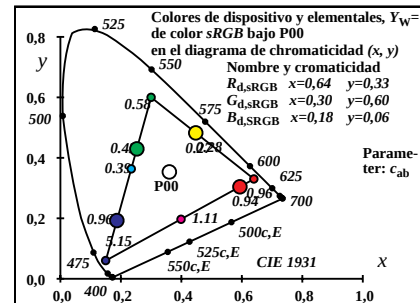
### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_w=100$

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

2-000630-L0

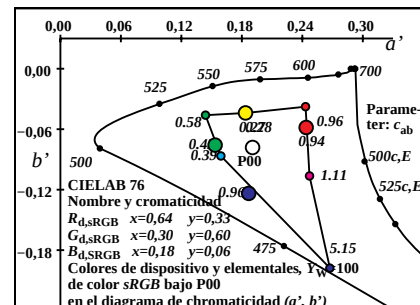
TS480-7N\_7

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



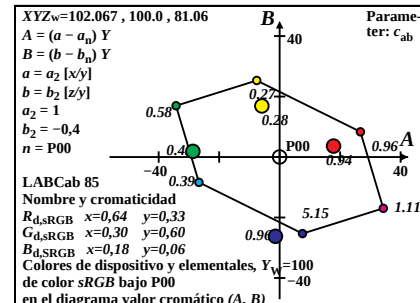
2-000630-L0

TS481-1N\_7



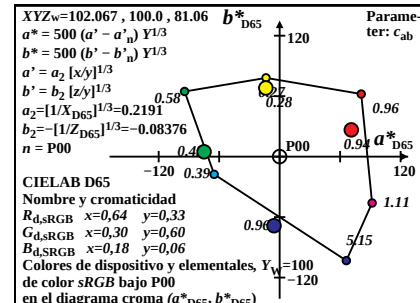
2-000630-L0

TS481-3N\_7



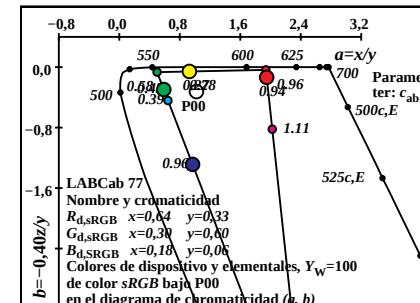
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TS481-5N\_7



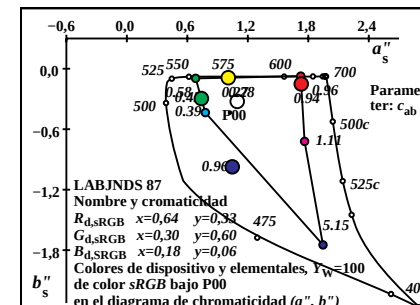
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TS481-7N\_7



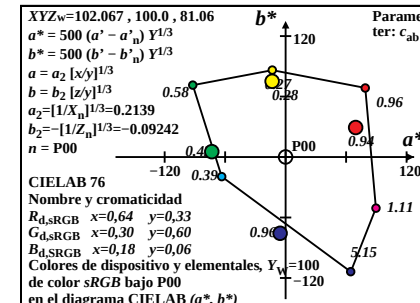
2-000630-L0

TS481-2N\_7



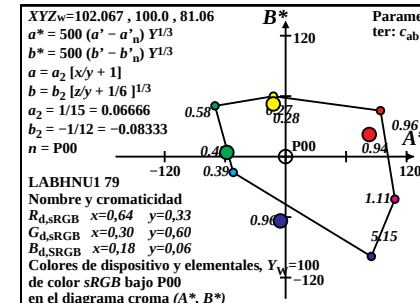
2-000630-L0

TS481-4N\_7



2-000630-L0

TS481-6N\_7



2-000630-L0

TS481-8N\_7

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |

2-000730-L0

TS480-1N\_8

| Colores de dispositivo y elementales de color sRGB bajo 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           |  |

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TS480-3N\_8

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |

2-000730-L0

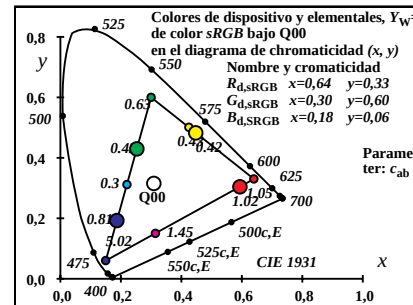
TS480-5N\_8

| Colores de dispositivo y elementales de color sRGB bajo 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             |  |

2-000730-L0

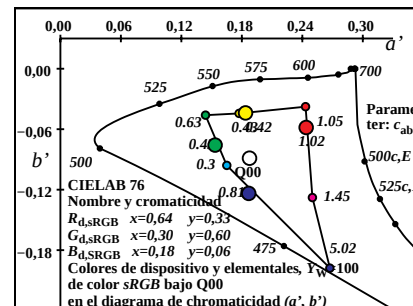
TS480-7N\_8

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_w=100$ , Parameter:  $c_{ab}$



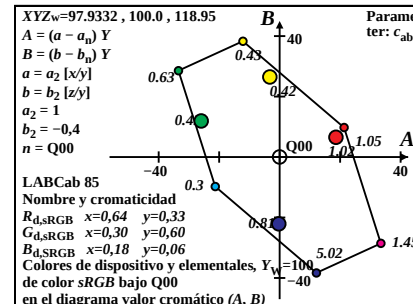
2-000730-L0

TS481-1N\_8



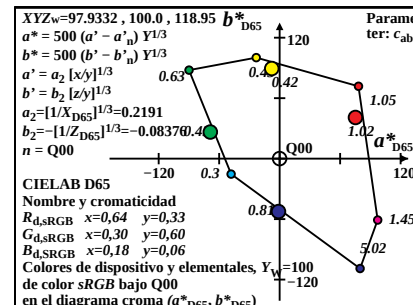
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TS481-3N\_8



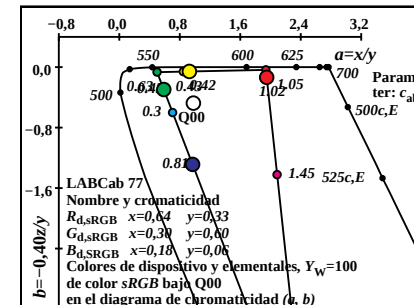
2-000730-L0

TS481-5N\_8



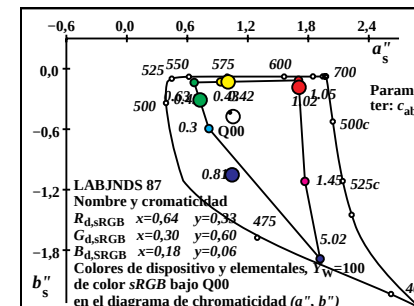
2-000730-L0

TS481-7N\_8



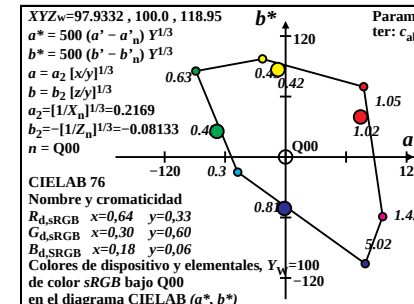
2-000730-L0

TS481-2N\_8



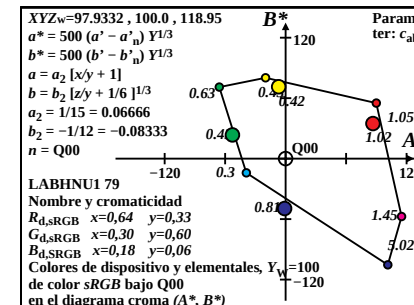
2-000730-L0

TS481-4N\_8



2-000730-L0

TS481-6N\_8



2-000730-L0

TS481-8N\_8

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo D65, $Y_{w,100}=100$

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

2-001030-L0

TS480-1N\_1

### Colores de dispositivo y elementales de color sRGB bajo D65, $Y_{w,100}=100$

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

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TS480-3N\_1

### Colores de dispositivo y elementales de color sRGB bajo D65, $Y_{w,100}=100$

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

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TS480-5N\_1

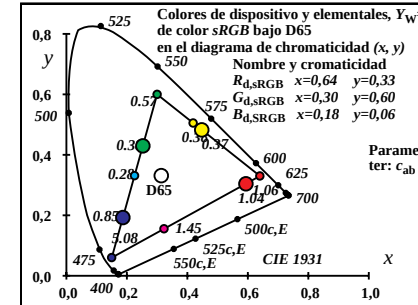
### Colores de dispositivo y elementales de color sRGB bajo D65, $Y_{w,100}=100$

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

2-001030-L0

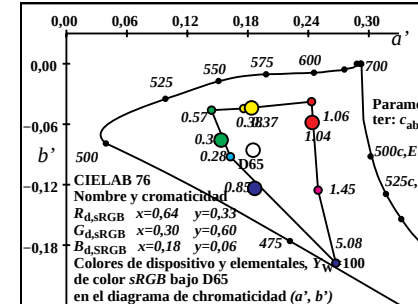
TS480-7N\_1

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,100}=100$ , Parameter:  $c_{ab}$



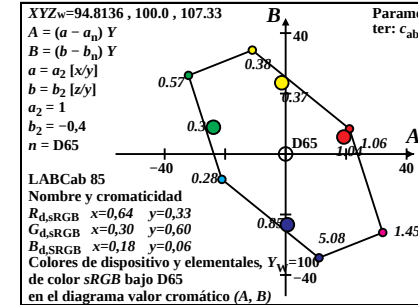
2-001030-L0

TS481-1N\_1



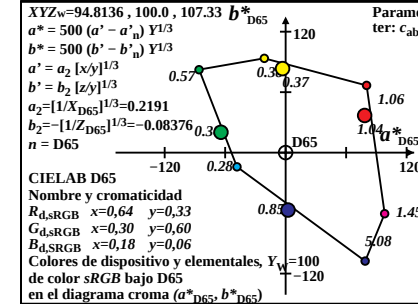
2-001030-L0

TS481-3N\_1



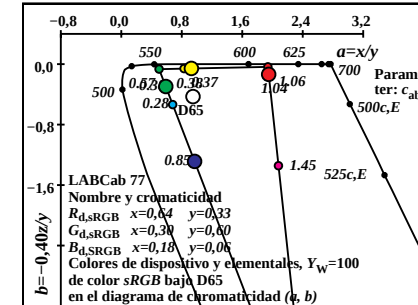
2-001030-L0

TS481-5N\_1



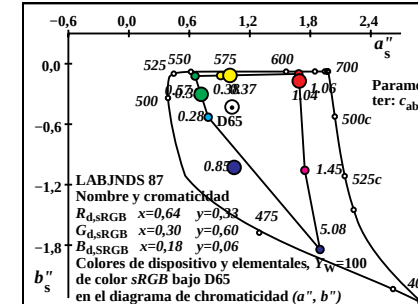
2-001030-L0

TS481-7N\_1



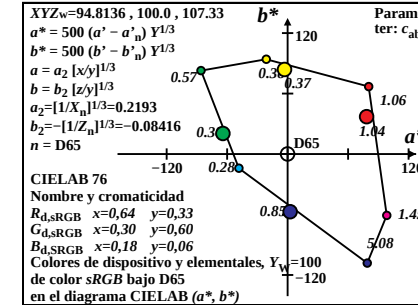
2-001030-L0

TS481-2N\_1



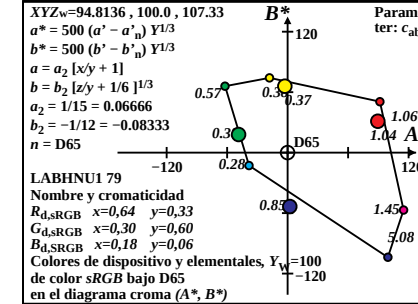
2-001030-L0

TS481-4N\_1



2-001030-L0

TS481-6N\_1



2-001030-L0

TS481-8N\_1

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo D50, $Y_{w,100}=100$

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

2-001130-L0

TS480-1N\_2

### Colores de dispositivo y elementales de color sRGB bajo D50, $Y_{w,100}=100$

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

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TS480-3N\_2

### Colores de dispositivo y elementales de color sRGB bajo D50, $Y_{w,100}=100$

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

2-001130-L0

TS480-5N\_2

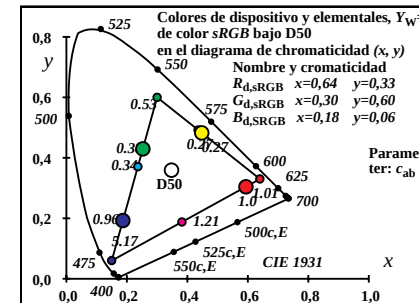
### Colores de dispositivo y elementales de color sRGB bajo D50, $Y_{w,100}=100$

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

2-001130-L0

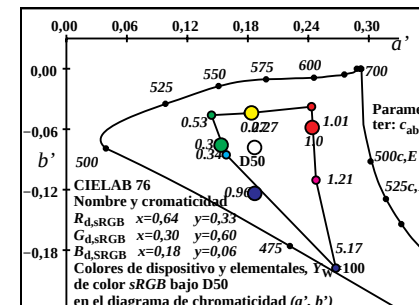
TS480-7N\_2

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,100}=100$ , Parameter:  $c_{ab}$



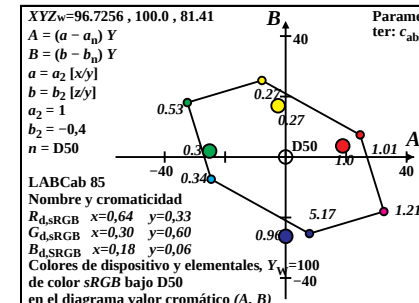
2-001130-L0

TS481-1N\_2



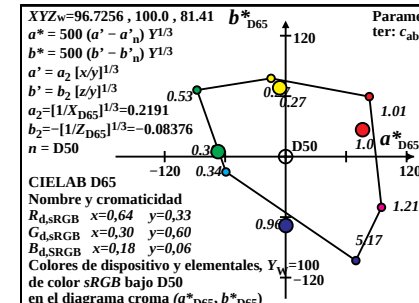
2-001130-L0

TS481-3N\_2



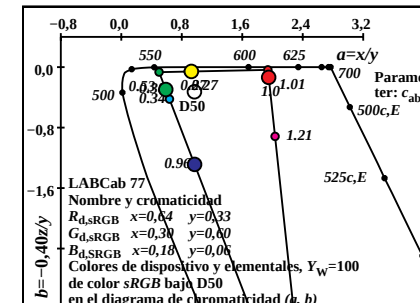
2-001130-L0

TS481-5N\_2



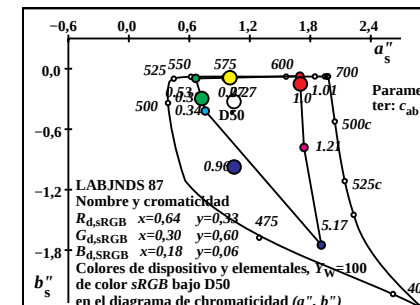
2-001130-L0

TS481-7N\_2



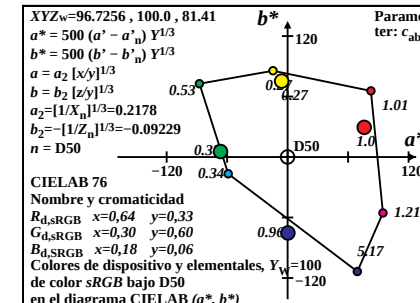
2-001130-L0

TS481-2N\_2



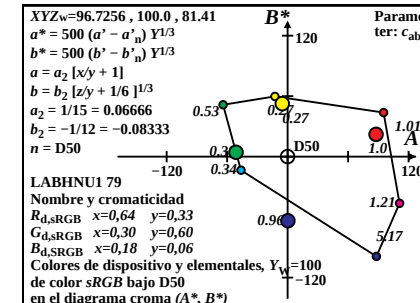
2-001130-L0

TS481-4N\_2



2-001130-L0

TS481-6N\_2



2-001130-L0

TS481-8N\_2

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_{w,100}=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | $h_{xy}$ | $i_d, \lambda_d$ | $i_c, \lambda_c$ |
|---------------------|------------------|------------------|------------------|--------|--------|--------|----------|------------------|------------------|
| 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           |

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TS480-1N\_3

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_{w,100}=100$

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

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TS480-3N\_3

### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_{w,100}=100$

| Code                | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | 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             |

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TS480-5N\_3

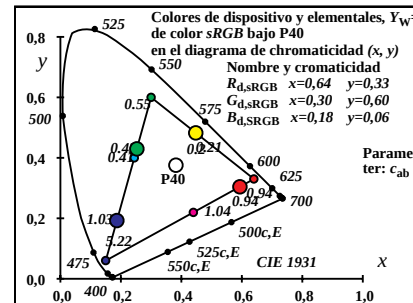
### Colores de dispositivo y elementales de color sRGB bajo P40, $Y_{w,100}=100$

| CodeD65             | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | $h_{ab}$ | $i_d, \lambda^*_d$ | $i_c, \lambda^*_c$ |
|---------------------|-------------------|-------------------|-------------------|------------------|--------|---------|----------|--------------------|--------------------|
| 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             |

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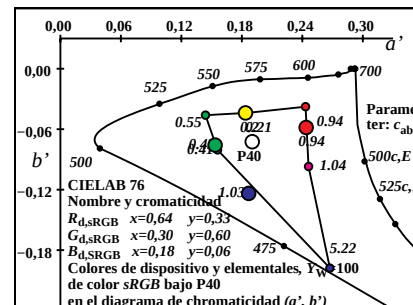
TS480-7N\_3

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,100}=100$ , Parameter:  $c_{ab}$



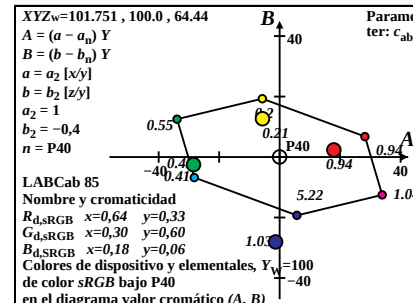
2-001230-L0

TS481-1N\_3



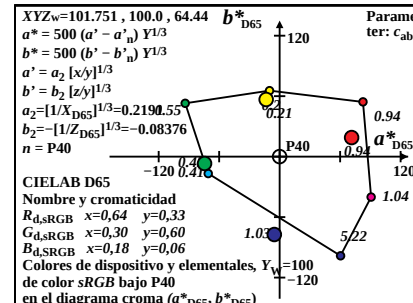
2-001230-L0

TS481-3N\_3



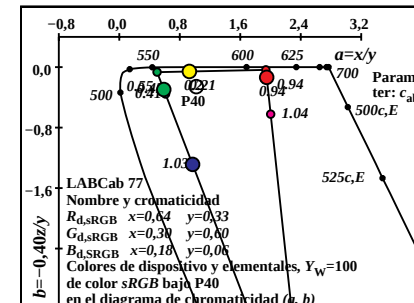
2-001230-L0

TS481-5N\_3



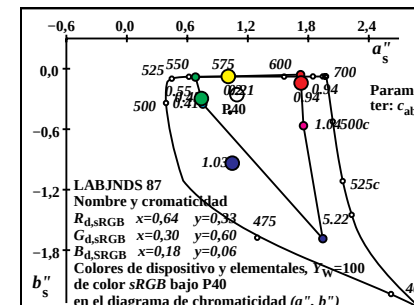
2-001230-L0

TS481-7N\_3



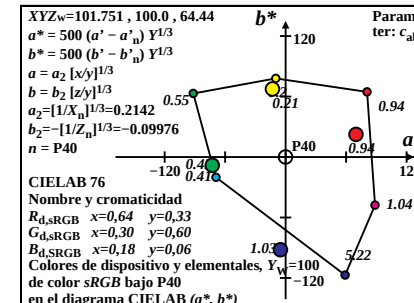
2-001230-L0

TS481-2N\_3



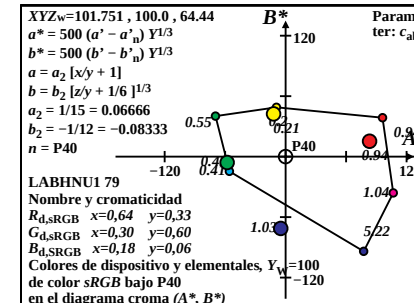
2-001230-L0

TS481-4N\_3



2-001230-L0

TS481-6N\_3



2-001230-L0

TS481-8N\_3

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

### Colores de dispositivo y elementales de color sRGB bajo A00, $Y_{w,10}=100$

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

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TS480-1N\_4

### Colores de dispositivo y elementales de color sRGB bajo A00, $Y_{w,10}=100$

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

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TS480-3N\_4

### Colores de dispositivo y elementales de color sRGB bajo A00, $Y_{w,10}=100$

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

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TS480-5N\_4

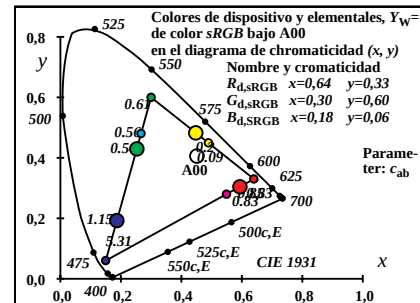
### Colores de dispositivo y elementales de color sRGB bajo A00, $Y_{w,10}=100$

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

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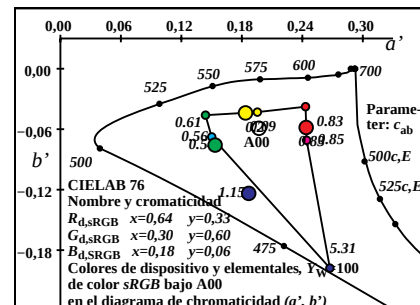
TS480-7N\_4

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



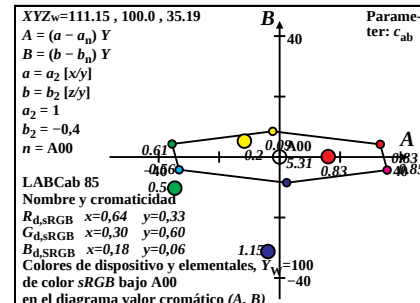
2-001330-L0

TS481-1N\_4



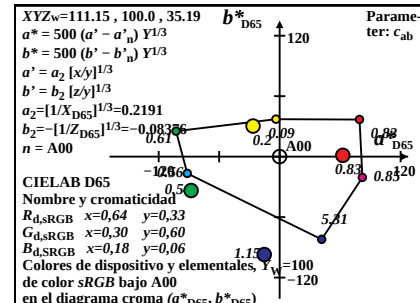
2-001330-L0

TS481-3N\_4



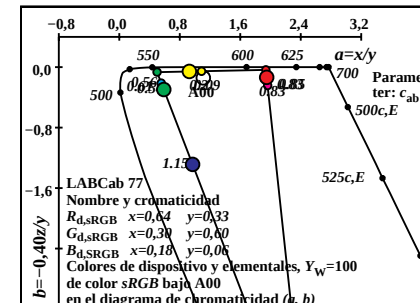
2-001330-L0

TS481-5N\_4



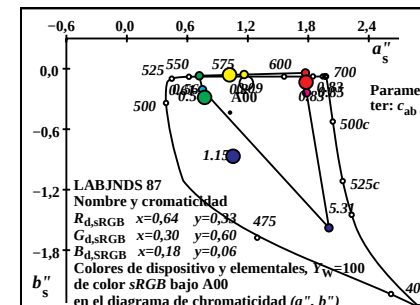
2-001330-L0

TS481-7N\_4



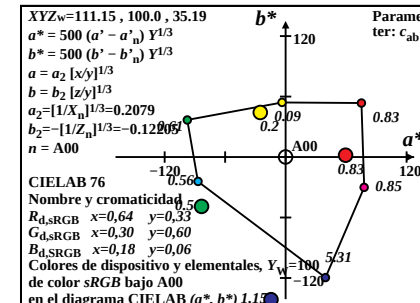
2-001330-L0

TS481-2N\_4



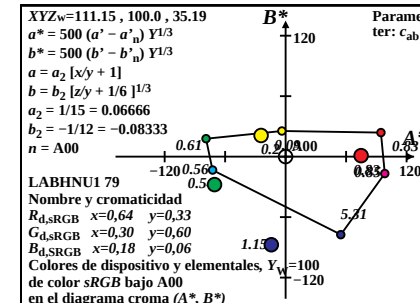
2-001330-L0

TS481-4N\_4



2-001330-L0

TS481-6N\_4



2-001330-L0

TS481-8N\_4

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_{w,10}=100$

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

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TS480-1N\_5

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_{w,10}=100$

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

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TS480-3N\_5

### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_{w,10}=100$

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

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TS480-5N\_5

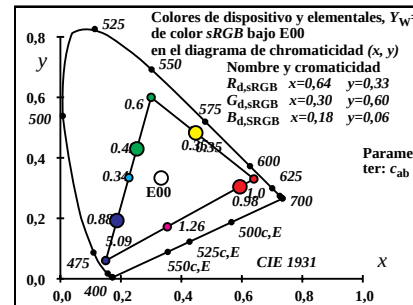
### Colores de dispositivo y elementales de color sRGB bajo E00, $Y_{w,10}=100$

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

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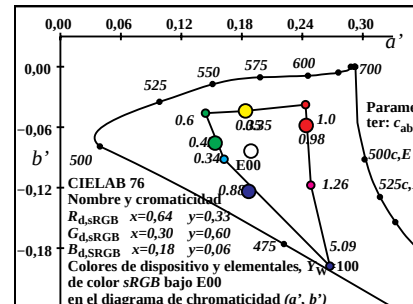
TS480-7N\_5

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



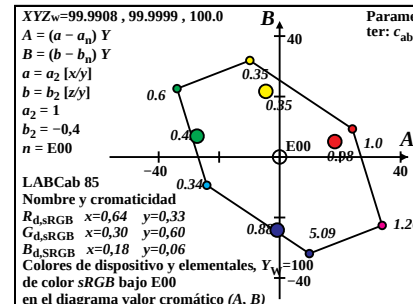
2-001430-L0

TS481-1N\_5



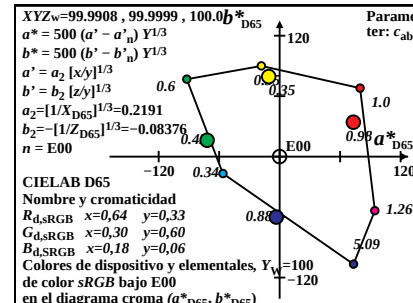
2-001430-L0

TS481-3N\_5



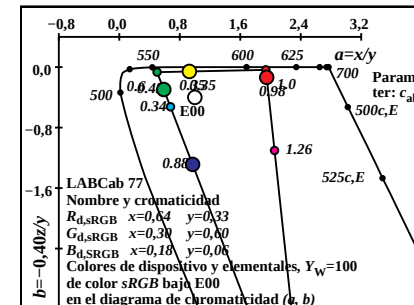
2-001430-L0

TS481-5N\_5



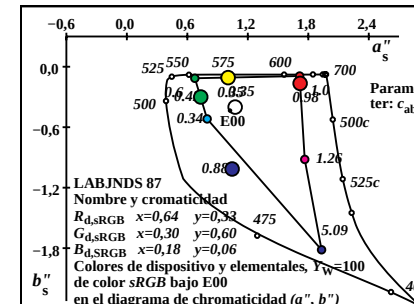
2-001430-L0

TS481-7N\_5



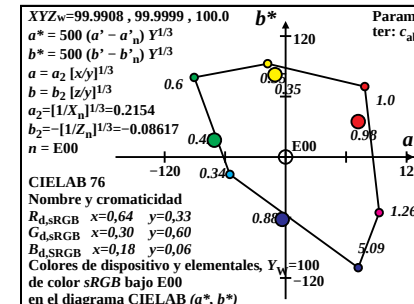
2-001430-L0

TS481-2N\_5



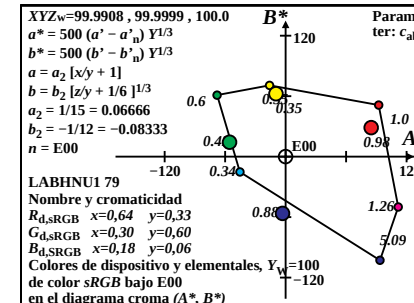
2-001430-L0

TS481-4N\_5



2-001430-L0

TS481-6N\_5



2-001430-L0

TS481-8N\_5

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio

### Colores de dispositivo y elementales de color sRGB bajo C00, $Y_{w,10}=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | x      | y      | z      | <i>h</i> <sub>xy</sub> | <i>i</i> <sub>d</sub> , λ <sub>d</sub> | <i>i</i> <sub>c</sub> , λ <sub>c</sub> |
|---------------------|------------------|------------------|------------------|--------|--------|--------|------------------------|----------------------------------------|----------------------------------------|
| R <sub>d,sRGB</sub> | 42.74            | 22.04            | 2.0              | 0.64   | 0.3299 | 0.0299 | 1.9                    | 41 608                                 | 15 479                                 |
| Y <sub>d,sRGB</sub> | 77.83            | 92.21            | 13.7             | 0.4235 | 0.5018 | 0.0745 | 58.2                   | 32 560                                 | 10 451                                 |
| G <sub>d,sRGB</sub> | 35.08            | 70.17            | 11.69            | 0.3    | 0.6    | 0.0999 | 92.0                   | 27 537                                 | -1 537c                                |
| C <sub>d,sRGB</sub> | 54.54            | 77.95            | 114.14           | 0.2211 | 0.316  | 0.4627 | 181.9                  | 15 479                                 | 41 608                                 |
| B <sub>d,sRGB</sub> | 19.45            | 7.78             | 102.44           | 0.15   | 0.06   | 0.79   | 238.2                  | 10 451                                 | 32 560                                 |
| M <sub>d,sRGB</sub> | 62.19            | 29.82            | 104.44           | 0.3165 | 0.1517 | 0.5316 | 272.1                  | -1 537c                                | 27 537                                 |
| R <sub>e,sRGB</sub> | 37.43            | 19.19            | 6.44             | 0.5935 | 0.3043 | 0.1021 | 357.0                  | 46 630                                 | 16 480                                 |
| Y <sub>e,sRGB</sub> | 58.8             | 63.38            | 9.13             | 0.4478 | 0.4826 | 0.0695 | 49.9                   | 33 565                                 | 12 462                                 |
| G <sub>e,sRGB</sub> | 38.98            | 66.27            | 49.0             | 0.2526 | 0.4296 | 0.3176 | 117.5                  | 21 505                                 | -1 505c                                |
| B <sub>e,sRGB</sub> | 26.41            | 27.25            | 87.68            | 0.1868 | 0.1927 | 0.6203 | 225.6                  | 13 465                                 | 33 567                                 |

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TS480-1N\_6

### Colores de dispositivo y elementales de color sRGB bajo C00, $Y_{w,10}=100$

| Code                | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | a      | b       | <i>h</i> <sub>AB</sub> | <i>i</i> <sub>d</sub> , λ <sub>d</sub> | <i>i</i> <sub>c</sub> , λ <sub>c</sub> |
|---------------------|------------------|------------------|------------------|-----------------|--------|---------|------------------------|----------------------------------------|----------------------------------------|
| R <sub>d,sRGB</sub> | 22.04            | 21.3             | 9.43             | 23.3            | 1.9393 | -0.0363 | 23.8                   | 41 607                                 | 15 478                                 |
| Y <sub>d,sRGB</sub> | 92.21            | -11.88           | 37.36            | 39.2            | 0.844  | -0.0594 | 107.6                  | 32 561                                 | 11 459                                 |
| G <sub>d,sRGB</sub> | 70.17            | -33.18           | 27.92            | 43.37           | 0.4999 | -0.0666 | 139.9                  | 27 538                                 | -1 538c                                |
| C <sub>d,sRGB</sub> | 77.95            | -21.3            | -9.43            | 23.3            | 0.6996 | -0.5856 | 203.8                  | 16 480                                 | -1 480c                                |
| B <sub>d,sRGB</sub> | 7.78             | 11.88            | -37.36           | 39.2            | 2.4999 | -5.2665 | 287.6                  | 10 451                                 | 31 558                                 |
| M <sub>d,sRGB</sub> | 29.82            | 33.18            | -27.92           | 43.37           | 2.0856 | -1.4009 | 319.9                  | -1 525c                                | 25 525                                 |
| R <sub>e,sRGB</sub> | 19.19            | 18.76            | 6.33             | 19.8            | 1.9502 | -0.1343 | 18.6                   | 45 625                                 | 15 479                                 |
| Y <sub>e,sRGB</sub> | 63.38            | -2.85            | 25.79            | 25.95           | 0.9278 | -0.0576 | 96.3                   | 33 565                                 | 13 465                                 |
| G <sub>e,sRGB</sub> | 66.27            | -25.5            | 11.18            | 27.84           | 0.5881 | -0.2957 | 156.3                  | 23 517                                 | -1 517c                                |
| B <sub>e,sRGB</sub> | 27.25            | -0.09            | -22.41           | 22.41           | 0.9694 | -1.2869 | 269.7                  | 13 465                                 | 33 565                                 |

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### Colores de dispositivo y elementales de color sRGB bajo C00, $Y_{w,10}=100$

| Code                | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | <i>h</i> <sub>ab</sub> | <i>i</i> <sub>d</sub> , λ* <sub>d</sub> | <i>i</i> <sub>c</sub> , λ* <sub>c</sub> |
|---------------------|-------------------|-------------------|-------------------|------------------|--------|---------|------------------------|-----------------------------------------|-----------------------------------------|
| R <sub>d,sRGB</sub> | 54.08             | 78.07             | 69.05             | 104.22           | 0.2732 | -0.0376 | 41.4                   | -1 472c                                 | 14 472                                  |
| Y <sub>d,sRGB</sub> | 96.91             | -22.5             | 96.56             | 99.15            | 0.207  | -0.0443 | 103.1                  | 31 555                                  | 12 463                                  |
| G <sub>d,sRGB</sub> | 87.08             | -88.4             | 84.65             | 122.4            | 0.1738 | -0.046  | 132.6                  | 25 529                                  | 7 435                                   |
| C <sub>d,sRGB</sub> | 90.76             | -47.89            | -14.77            | 50.11            | 0.1944 | -0.0951 | 197.1                  | 15 477                                  | -1 477c                                 |
| B <sub>d,sRGB</sub> | 33.54             | 78.87             | -106.39           | 132.44           | 0.2971 | -0.1976 | 306.5                  | 10 452                                  | 27 537                                  |
| M <sub>d,sRGB</sub> | 61.5              | 96.66             | -59.41            | 113.47           | 0.2798 | -0.1271 | 328.4                  | -1 518c                                 | 23 518                                  |
| R <sub>e,sRGB</sub> | 50.92             | 75.23             | 39.05             | 84.76            | 0.2737 | -0.0582 | 27.4                   | -1 474c                                 | 14 474                                  |
| Y <sub>e,sRGB</sub> | 83.64             | -6.73             | 86.08             | 86.34            | 0.2136 | -0.0439 | 94.4                   | 32 563                                  | 13 465                                  |
| G <sub>e,sRGB</sub> | 85.14             | -67.32            | 24.36             | 71.59            | 0.1835 | -0.0757 | 160.1                  | 21 507                                  | -1 507c                                 |
| B <sub>e,sRGB</sub> | 59.21             | -0.38             | -52.43            | 52.43            | 0.2168 | -0.1236 | 269.5                  | 13 465                                  | 33 567                                  |

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TS480-5N\_6

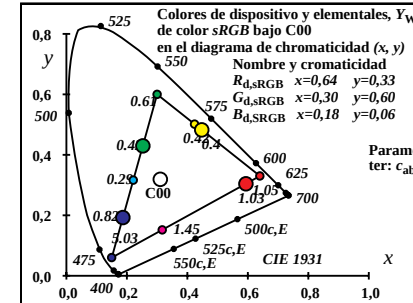
### Colores de dispositivo y elementales de color sRGB bajo C00, $Y_{w,10}=100$

| CodeD65             | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | a'     | b'      | <i>h</i> <sub>ab</sub> | <i>i</i> <sub>d</sub> , λ* <sub>d</sub> | <i>i</i> <sub>c</sub> , λ* <sub>c</sub> |
|---------------------|-------------------|-------------------|-------------------|------------------|--------|---------|------------------------|-----------------------------------------|-----------------------------------------|
| R <sub>d,sRGB</sub> | 54.08             | 78.69             | 70.63             | 105.74           | 0.2732 | -0.0376 | 41.9                   | -1 472c                                 | 14 472                                  |
| Y <sub>d,sRGB</sub> | 96.91             | -22.68            | 98.68             | 101.26           | 0.207  | -0.0443 | 102.9                  | 31 555                                  | 12 463                                  |
| G <sub>d,sRGB</sub> | 87.08             | -89.1             | 86.52             | 124.2            | 0.1739 | -0.046  | 135.8                  | 25 529                                  | 7 436                                   |
| C <sub>d,sRGB</sub> | 90.76             | -48.27            | -15.09            | 50.57            | 0.1945 | -0.0951 | 197.3                  | 15 477                                  | -1 477c                                 |
| B <sub>d,sRGB</sub> | 33.54             | 79.53             | -108.73           | 134.71           | 0.2972 | -0.1976 | 306.1                  | 10 453                                  | 27 538                                  |
| M <sub>d,sRGB</sub> | 61.5              | 97.43             | -60.71            | 114.8            | 0.2799 | -0.1271 | 328.0                  | -1 518c                                 | 23 518                                  |
| R <sub>e,sRGB</sub> | 50.92             | 75.83             | 39.93             | 85.7             | 0.2737 | -0.0582 | 27.7                   | -1 474c                                 | 14 474                                  |
| Y <sub>e,sRGB</sub> | 83.64             | -6.78             | 87.98             | 88.24            | 0.2137 | -0.0439 | 94.4                   | 32 563                                  | 13 465                                  |
| G <sub>e,sRGB</sub> | 85.14             | -67.85            | 24.89             | 72.28            | 0.1835 | -0.0757 | 159.8                  | 21 507                                  | -1 507c                                 |
| B <sub>e,sRGB</sub> | 59.21             | -0.38             | -53.58            | 53.58            | 0.2168 | -0.1236 | 269.5                  | 13 465                                  | 33 567                                  |

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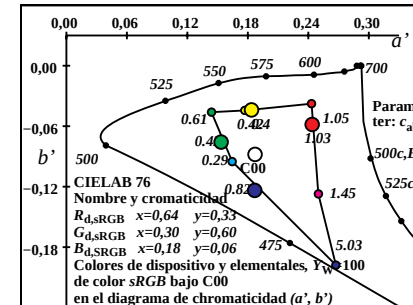
TS480-7N\_6

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



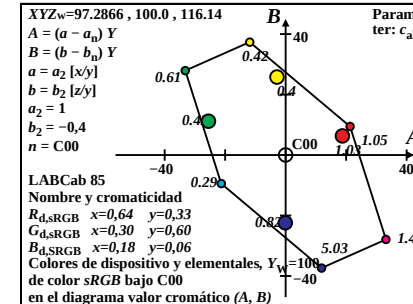
2-001530-L0

TS481-1N\_6



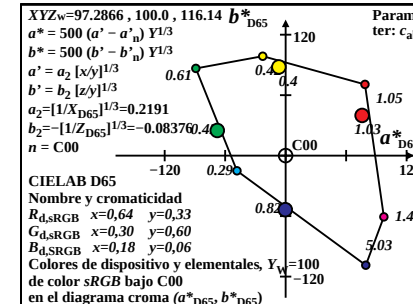
2-001530-L0

TS481-3N\_6



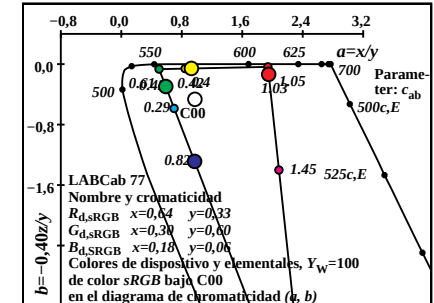
2-001530-L0

TS481-5N\_6



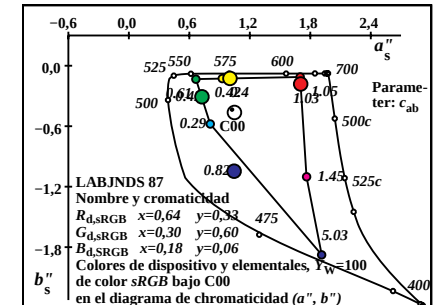
2-001530-L0

TS481-7N\_6



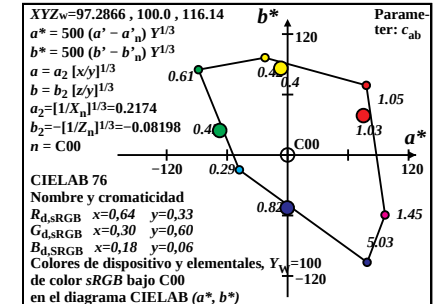
2-001530-L0

TS481-2N\_6



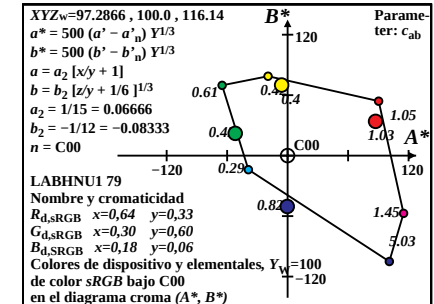
2-001530-L0

TS481-4N\_6



2-001530-L0

TS481-6N\_6



2-001530-L0

TS481-8N\_6

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio

### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_{w,10}=100$

| Code                | X <sub>100</sub> | Y <sub>100</sub> | Z <sub>100</sub> | 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           |

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### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_{w,10}=100$

| Code                | Y <sub>100</sub> | A <sub>100</sub> | B <sub>100</sub> | C <sub>AB</sub> | 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 564c          |
| G <sub>d,sRGB</sub> | 65.61            | -34.36           | 16.95            | 38.31           | 0.4999 | -0.0666 | 153.7    | 25 529           | -1 529c          |
| 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 563c          |
| G <sub>e,sRGB</sub> | 66.27            | -28.87           | 1.93             | 28.93           | 0.5881 | -0.2957 | 176.1    | 17 488           | -1 488c          |
| B <sub>e,sRGB</sub> | 27.25            | -1.48            | -26.21           | 26.25           | 0.9694 | -1.2869 | 266.7    | 13 466           | 34 571           |

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TS480-3N\_7

### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_{w,10}=100$

| Code                | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | 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 529c            |
| C <sub>d,sRGB</sub> | 87.36             | -63.53            | -19.57            | 66.47            | 0.1893 | -0.0867 | 197.1    | 15 478             | -1 478c            |
| 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 495c            |
| B <sub>e,sRGB</sub> | 59.21             | -5.83             | -75.46            | 75.69            | 0.2168 | -0.1236 | 265.5    | 13 466             | 34 572             |

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TS480-5N\_7

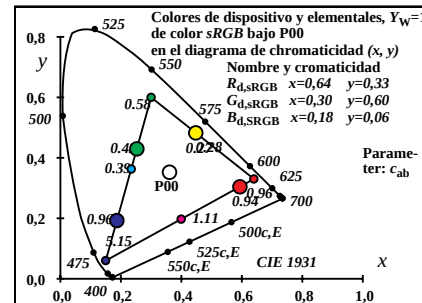
### Colores de dispositivo y elementales de color sRGB bajo P00, $Y_{w,10}=100$

| CodeD65             | L* <sub>100</sub> | a* <sub>100</sub> | b* <sub>100</sub> | C* <sub>ab</sub> | 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 526c            |
| 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 494c            |
| B <sub>e,sRGB</sub> | 59.21             | -5.98             | -68.45            | 68.71            | 0.2168 | -0.1236 | 265.0    | 13 466             | 34 573             |

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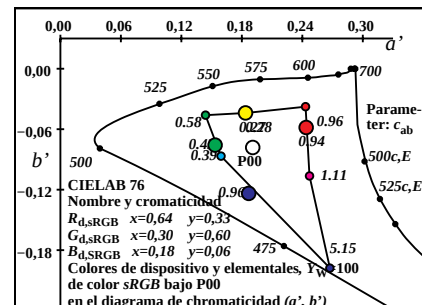
TS480-7N\_7

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



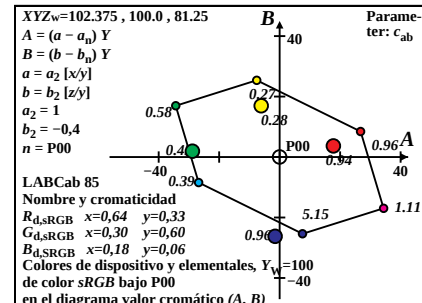
2-001630-L0

TS481-1N\_7



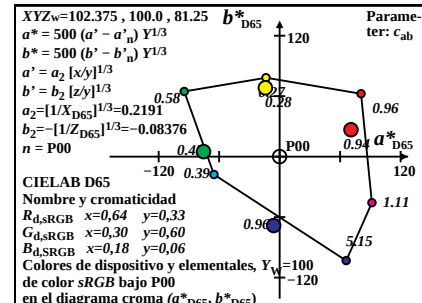
2-001630-L0

TS481-3N\_7



2-001630-L0

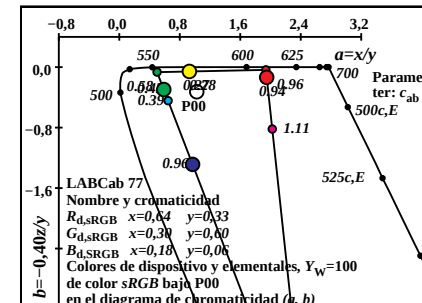
TS481-5N\_7



2-001630-L0

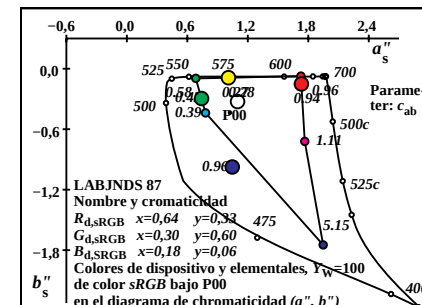
TS481-7N\_7

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningún cambio



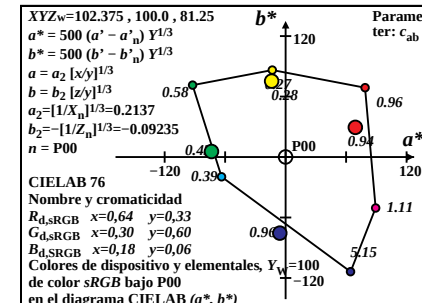
2-001630-L0

TS481-2N\_7



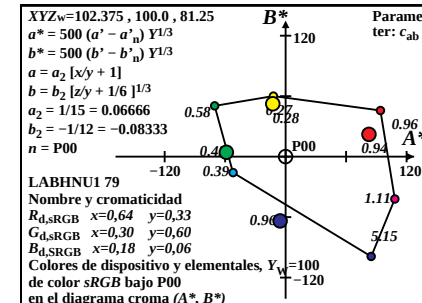
2-001630-L0

TS481-4N\_7



2-001630-L0

TS481-6N\_7



2-001630-L0

TS481-8N\_7

### Colores de dispositivo y elementales de color sRGB bajo Q00, $Y_{w,10}=100$

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

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TS480-1N\_8

### Colores de dispositivo y elementales de color sRGB bajo Q00, $Y_{w,10}=100$

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

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TS480-3N\_8

### Colores de dispositivo y elementales de color sRGB bajo Q00, $Y_{w,10}=100$

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

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TS480-5N\_8

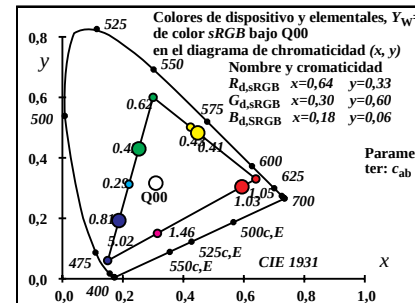
### Colores de dispositivo y elementales de color sRGB bajo Q00, $Y_{w,10}=100$

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

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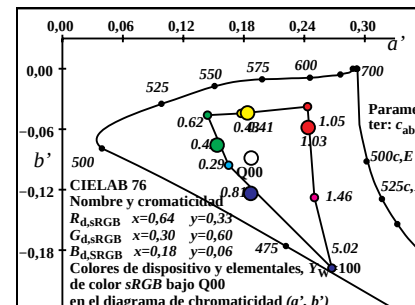
TS480-7N\_8

gráfico TUB-TS48; sRGB: Basic and mixture colours  
XYZ, YABCh, LabCh\* data,  $Y_{w,10}=100$ , Parameter:  $c_{ab}$



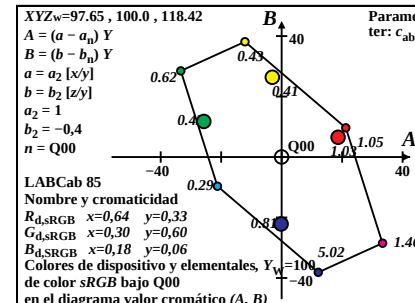
2-001730-L0

TS481-1N\_8



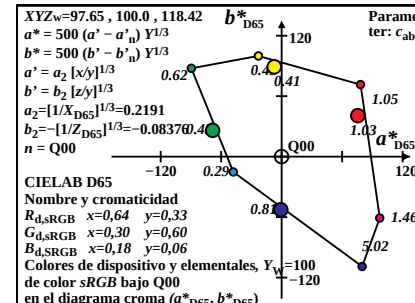
2-001730-L0

TS481-3N\_8



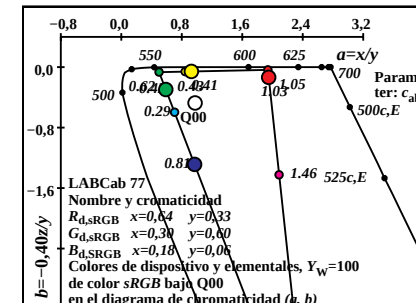
2-001730-L0

TS481-5N\_8



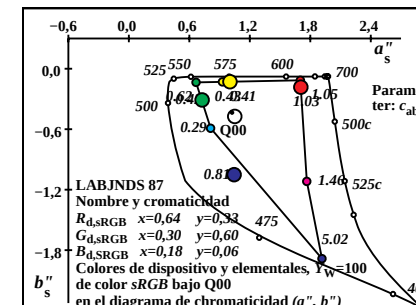
2-001730-L0

TS481-7N\_8



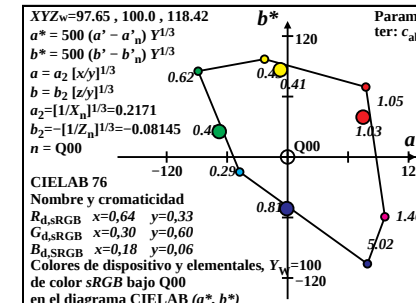
2-001730-L0

TS481-2N\_8



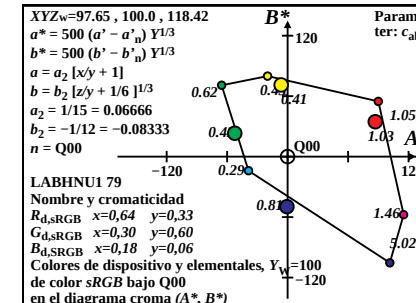
2-001730-L0

TS481-4N\_8



2-001730-L0

TS481-6N\_8



2-001730-L0

TS481-8N\_8

entrada: w/rgb/cmyk -> w/rgb/cmyk-  
salida: ningun cambio