

see similar files: <http://farbe.li.tu-berlin.de/BE71/BE71.HTM>  
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmeterik>

TUB registration: 20170801-BE71/BE71L0NA.TXT /PS  
application for measurement of display output

TUB material: code=rha4ta

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D65, Y <sub>m</sub> =510_770, CIEXYZ |       |       |       |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 52.74 | 33.13 | 0.43  | 0.6111 | 0.3838 | 0.005  | 237.6           | 38             | 592            | 16             | 484            |  |
| Y <sub>me</sub> 510_770                                                                          | 69.35 | 79.32 | 2.47  | 0.4588 | 0.5247 | 0.0163 | 218.8           | 33             | 568            | 13             | 467            |  |
| G <sub>me</sub> 470_570                                                                          | 19.12 | 55.48 | 23.97 | 0.194  | 0.5627 | 0.2432 | 210.3           | 22             | 512            | -1             | 512c           |  |
| C <sub>m</sub> 380_570                                                                           | 33.12 | 57.21 | 97.96 | 0.1759 | 0.3038 | 0.5202 | 214.6           | 16             | 484            | 38             | 592            |  |
| B <sub>me</sub> 380_510                                                                          | 16.52 | 11.02 | 95.91 | 0.1338 | 0.0893 | 0.7768 | 228.5           | 13             | 467            | 33             | 568            |  |
| M <sub>m</sub> 570_470                                                                           | 66.73 | 34.85 | 74.39 | 0.3792 | 0.198  | 0.4227 | 246.5           | -1             | 512c           | 22             | 512            |  |
| R <sub>o</sub> 570_440                                                                           | 57.9  | 33.35 | 25.61 | 0.4954 | 0.2853 | 0.2192 | 240.8           | -1             | 489c           | 17             | 489            |  |
| G <sub>o</sub> 520_570                                                                           | 16.94 | 46.53 | 2.43  | 0.257  | 0.706  | 0.0369 | 214.3           | 27             | 538            | -1             | 538c           |  |
| W <sub>1</sub> 380_770                                                                           | 85.53 | 90.0  | 98.0  | 0.3127 | 0.329  | 0.3582 | 226.4           | -1             | 538c           | 27             | 538            |  |

BE711-1A\_1

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D65, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 33.13 | 21.25  | 14.25  | 25.59           | 1.592  | -0.0052 | 33.8            | 38             | 592                         | 16             | 484                         |  |
| Y <sub>me</sub> 510_770                                                                          | 79.32 | -6.03  | 33.56  | 34.09           | 0.8743 | -0.0124 | 100.1           | 33             | 568                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                          | 55.48 | -33.6  | 14.57  | 36.63           | 0.3447 | -0.1728 | 156.23          | 23             | 515                         | -1             | 515c                        |  |
| C <sub>m</sub> 380_570                                                                           | 57.21 | -21.25 | -14.26 | 25.59           | 0.5789 | -0.6848 | 213.8           | 16             | 484                         | 38             | 592                         |  |
| B <sub>me</sub> 380_510                                                                          | 11.02 | 6.04   | -33.56 | 34.1            | 1.498  | -3.4785 | 280.2           | 13             | 466                         | 33             | 565                         |  |
| M <sub>m</sub> 570_470                                                                           | 34.85 | 33.6   | -14.57 | 36.62           | 1.9144 | -0.8536 | 336.5           | -1             | 504c                        | 20             | 504                         |  |
| R <sub>o</sub> 570_440                                                                           | 33.35 | 26.19  | 4.28   | 26.54           | 1.7358 | -0.3072 | 9.2             | -1             | 488c                        | 17             | 488                         |  |
| G <sub>o</sub> 520_570                                                                           | 46.53 | -27.28 | 19.29  | 33.42           | 0.364  | -0.0209 | 144.7           | 27             | 538                         | -1             | 538c                        |  |
| W <sub>1</sub> 380_770                                                                           | 90.0  | 0.0    | 0.0    | 0.01            | 0.9504 | -0.4355 | 353.4           | 38             | 591                         | 16             | 484                         |  |

BE711-3A\_1

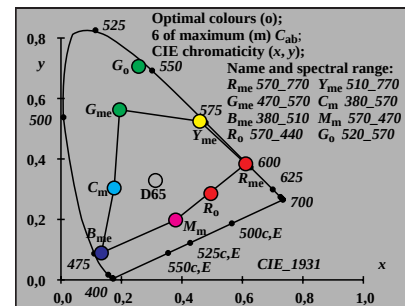
| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D65, Y <sub>m</sub> =510_770, CIELAB_76 |       |           |        |                 |        |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|-----------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*        | b*     | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 64.27 | 64.9      | 104.07 | 122.65          | 0.2559 | -0.0197 | 58.0            | 39             | 596                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 91.38 | -12.68    | 128.41 | 129.04          | 0.2095 | -0.0263 | 95.6            | 33             | 567                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 79.32 | -117.8243 | 56     | 125.61          | 0.1536 | -0.0633 | 159.7           | 22             | 514                         | -1             | 514c                        |  |
| C <sub>m</sub> 380_570                                                                              | 80.3  | -63.21    | -27.03 | 68.75           | 0.1826 | -0.1002 | 203.1           | 16             | 482                         | -1             | 482c                        |  |
| B <sub>me</sub> 380_510                                                                             | 39.64 | 39.25     | -95.78 | 103.51          | 0.2507 | -0.1722 | 292.2           | 13             | 467                         | 31             | 555                         |  |
| M <sub>m</sub> 570_470                                                                              | 65.64 | 92.5      | -35.38 | 99.04           | 0.2721 | -0.1078 | 339.0           | -1             | 514c                        | 22             | 514                         |  |
| R <sub>o</sub> 570_440                                                                              | 64.45 | 77.09     | 15.22  | 78.58           | 0.2633 | -0.0767 | 11.1            | -1             | 485c                        | 17             | 485                         |  |
| G <sub>o</sub> 520_570                                                                              | 73.89 | -106.0498 | 57     | 144.78          | 0.1564 | -0.0313 | 137.0           | 27             | 535                         | 9              | 446                         |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0       | 0.0    | 0.0             | 0.2154 | -0.0861 | 329.4           | -1             | 524c                        | 24             | 524                         |  |

BE711-5A\_1

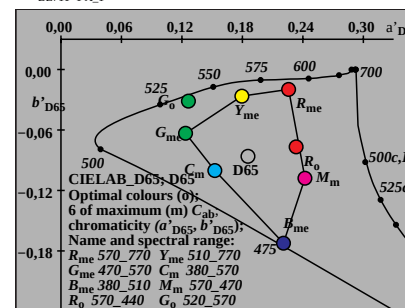
| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D65, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 64.27 | 68.68  | 68.83  | 97.24           | 0.1728 | -0.047  | 45.0            | 38             | 592                         | 15             | 479                         |  |
| Y <sub>me</sub> 510_770                                                                              | 91.38 | -10.88 | 88.79  | 89.46           | 0.1249 | -0.0485 | 96.9            | 33             | 567                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                              | 79.32 | -76.99 | 37.48  | 85.63           | 0.0896 | -0.0702 | 154.0           | 21             | 508                         | 9              | 449                         |  |
| C <sub>m</sub> 380_570                                                                               | 80.3  | -47.71 | -24.9  | 53.81           | 0.1052 | -0.1028 | 207.5           | 16             | 483                         | 42             | 613                         |  |
| B <sub>me</sub> 380_510                                                                              | 39.64 | 40.63  | -91.86 | 100.44          | 0.1665 | -0.1724 | 293.8           | 13             | 467                         | 31             | 558                         |  |
| M <sub>m</sub> 570_470                                                                               | 65.64 | 104.96 | -32.83 | 109.97          | 0.1942 | -0.11   | 342.6           | 7              | 438                         | 20             | 501                         |  |
| R <sub>o</sub> 570_440                                                                               | 64.45 | 84.26  | 13.55  | 85.35           | 0.1823 | -0.0814 | 9.1             | -1             | 488c                        | 17             | 488                         |  |
| G <sub>o</sub> 520_570                                                                               | 73.89 | -70.29 | 71.33  | 100.15          | 0.0909 | -0.0502 | 134.5           | 27             | 536                         | 12             | 462                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0             | 0.13   | -0.0899 | 345.9           | 12             | 461                         | 27             | 535                         |  |

BE711-7A\_1

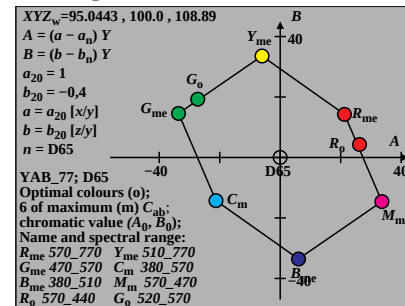
TUB-test chart BE71; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb  
colour spaces CIEXYZ, YAB\_77, CIELAB, LABHNU1\_79; illuminant D65 ; CIE 2 degree



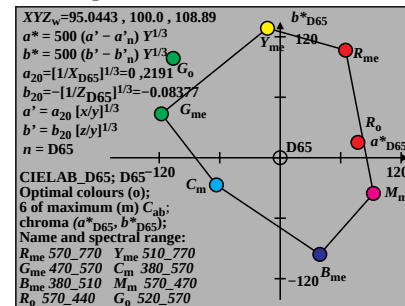
BE711-1 A\_1



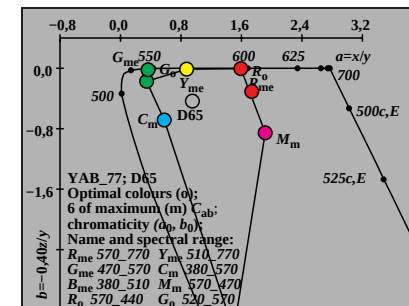
BE711-3 A\_1



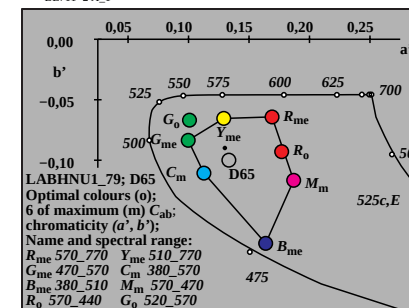
BE711-5 A\_1



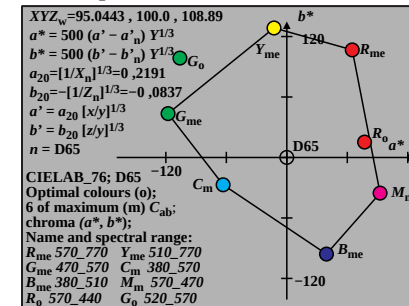
BE711-7 A\_1



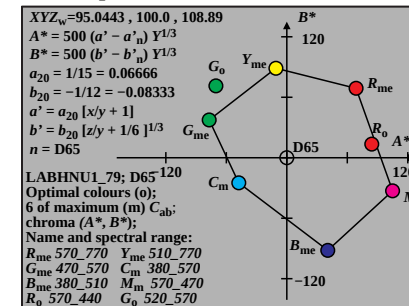
BE711-2 A\_1



BE711-4 A\_1



BE711-6 A\_1



BE711-8 A\_1

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TUB registration: 20170801-BE71/BE71L0NA.TXT /PS  
application for measurement of display output

TUB material: code=rha4ta

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D50, Y <sub>m</sub> =510_770, CIEXYZ |       |       |       |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 58.34 | 35.99 | 0.34  | 0.6162 | 0.3801 | 0.0035 | 239.2           | 38             | 593            | 17             | 486            |  |
| Y <sub>me</sub> 510_770                                                                          | 74.81 | 80.93 | 2.24  | 0.4734 | 0.5122 | 0.0142 | 221.4           | 34             | 570            | 13             | 468            |  |
| G <sub>me</sub> 470_570                                                                          | 18.6  | 53.04 | 20.15 | 0.2026 | 0.5777 | 0.2195 | 211.1           | 22             | 510            | -1             | 510c           |  |
| C <sub>m</sub> 380_570                                                                           | 28.77 | 54.35 | 74.2  | 0.1828 | 0.3454 | 0.4716 | 214.0           | 17             | 486            | 38             | 593            |  |
| B <sub>me</sub> 380_510                                                                          | 12.31 | 9.41  | 72.29 | 0.131  | 0.1001 | 0.7688 | 227.1           | 13             | 468            | 34             | 570            |  |
| M <sub>m</sub> 570_470                                                                           | 68.51 | 37.3  | 54.36 | 0.4277 | 0.2328 | 0.3394 | 246.0           | -1             | 510c           | 22             | 510            |  |
| R <sub>o</sub> 570_440                                                                           | 61.81 | 36.14 | 17.31 | 0.5362 | 0.3135 | 0.1501 | 241.5           | 54             | 670            | 18             | 490            |  |
| G <sub>o</sub> 520_570                                                                           | 16.8  | 45.29 | 2.2   | 0.2613 | 0.7043 | 0.0342 | 214.4           | 27             | 538            | -1             | 538c           |  |
| W <sub>1</sub> 380_770                                                                           | 86.78 | 89.99 | 74.24 | 0.3457 | 0.3585 | 0.2957 | 226.0           | -1             | 513c           | 22             | 513            |  |

BE711-1A\_2

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D50, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 35.99 | 23.63  | 11.74  | 26.39           | 1.621  | -0.0037 | 26.4            | 38             | 593                         | 17             | 489                         |  |
| Y <sub>me</sub> 510_770                                                                          | 80.93 | -3.23  | 25.81  | 26.01           | 0.9242 | -0.0111 | 97.1            | 34             | 570                         | 14             | 472                         |  |
| G <sub>me</sub> 470_570                                                                          | 53.04 | -32.54 | 9.44   | 33.88           | 0.3506 | -0.152  | 163.8           | 21             | 507                         | -1             | 507c                        |  |
| C <sub>m</sub> 380_570                                                                           | 54.35 | -23.63 | -11.74 | 26.39           | 0.5293 | -0.546  | 206.4           | 17             | 485                         | 36             | 582                         |  |
| B <sub>me</sub> 380_510                                                                          | 9.41  | 3.24   | -25.81 | 26.01           | 1.3086 | -3.0724 | 277.1           | 13             | 468                         | 33             | 568                         |  |
| M <sub>m</sub> 570_470                                                                           | 37.3  | 32.54  | -9.43  | 33.88           | 1.8366 | -0.583  | 343.8           | -1             | 529c                        | 25             | 529                         |  |
| R <sub>o</sub> 570_440                                                                           | 36.14 | 26.96  | 5.0    | 27.42           | 1.7101 | -0.1915 | 10.5            | -1             | 494c                        | 18             | 494                         |  |
| G <sub>o</sub> 520_570                                                                           | 45.29 | -26.86 | 14.06  | 30.32           | 0.3709 | -0.0194 | 152.3           | 27             | 537                         | -1             | 537c                        |  |
| W <sub>1</sub> 380_770                                                                           | 89.99 | 0.0    | 0.0    | 0.01            | 0.9642 | -0.3299 | 354.2           | 1              | 409                         | 32             | 564                         |  |

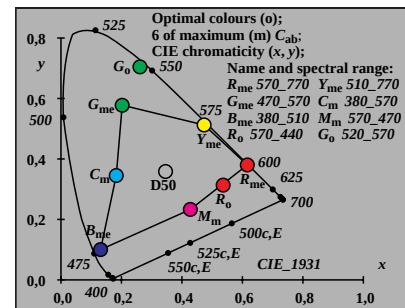
BE711-3A\_2

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D50, Y <sub>m</sub> =510_770, CIELAB_76 |       |         |         |                              |        |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|---------|---------|------------------------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*      | b*      | C <sup>*</sup> <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 66.52 | 67.22   | 109.39  | 128.4                        | 0.2562 | -0.0194 | 58.4            | 38             | 594                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 92.1  | -6.52   | 126.14  | 126.31                       | 0.2124 | -0.0278 | 92.9            | 33             | 569                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 77.9  | -115.8  | 36.85   | 121.52                       | 0.1538 | -0.0665 | 162.3           | 22             | 514                         | -1             | 514c                        |  |
| C <sub>m</sub> 380_570                                                                              | 78.67 | -73.91  | -29.83  | 79.7                         | 0.1764 | -0.1019 | 201.9           | 16             | 483                         | -1             | 483c                        |  |
| B <sub>me</sub> 380_510                                                                             | 36.78 | 24.36   | -100.38 | 103.3                        | 0.2385 | -0.1813 | 283.6           | 13             | 469                         | 32             | 563                         |  |
| M <sub>m</sub> 570_470                                                                              | 67.51 | 86.22   | -30.07  | 91.32                        | 0.2671 | -0.1041 | 340.7           | -1             | 516c                        | 23             | 516                         |  |
| R <sub>o</sub> 570_440                                                                              | 66.63 | 74.94   | 23.61   | 78.58                        | 0.2608 | -0.0719 | 17.4            | -1             | 484c                        | 16             | 484                         |  |
| G <sub>o</sub> 520_570                                                                              | 73.09 | -104.67 | 93.73   | 140.51                       | 0.1567 | -0.0335 | 138.1           | 27             | 537                         | 8              | 440                         |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0     | 0.0     | 0.0                          | 0.2154 | -0.0861 | 343.4           | -1             | 513c                        | 22             | 513                         |  |

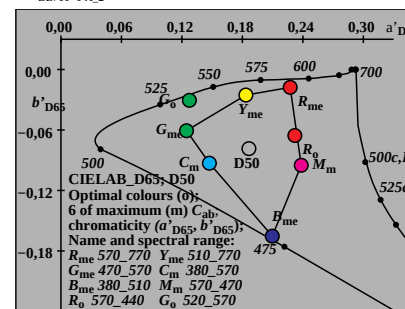
BE711-5A\_2

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D50, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                              |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|------------------------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sup>*</sup> <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 66.52 | 72.27  | 60.06  | 93.97                        | 0.1747 | -0.0467 | 39.7            | 38             | 593                         | 16             | 481                         |  |
| Y <sub>me</sub> 510_770                                                                              | 92.1  | -5.76  | 75.29  | 75.51                        | 0.1282 | -0.0482 | 94.3            | 34             | 570                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                              | 77.9  | -76.82 | 28.1   | 81.8                         | 0.09   | -0.0681 | 159.9           | 21             | 508                         | 8              | 441                         |  |
| C <sub>m</sub> 380_570                                                                               | 78.67 | -54.89 | -24.54 | 60.13                        | 0.1019 | -0.096  | 204.0           | 17             | 486                         | 42             | 613                         |  |
| B <sub>me</sub> 380_510                                                                              | 36.78 | 24.23  | -87.07 | 90.38                        | 0.1539 | -0.1655 | 285.5           | 13             | 469                         | 33             | 565                         |  |
| M <sub>m</sub> 570_470                                                                               | 67.51 | 97.15  | -24.81 | 100.27                       | 0.1891 | -0.0979 | 345.6           | 6              | 431                         | 20             | 503                         |  |
| R <sub>o</sub> 570_440                                                                               | 66.63 | 82.2   | 18.3   | 84.21                        | 0.1806 | -0.072  | 12.5            | -1             | 489c                        | 17             | 489                         |  |
| G <sub>o</sub> 520_570                                                                               | 73.09 | -70.47 | 59.07  | 91.96                        | 0.0913 | -0.0499 | 140.0           | 27             | 536                         | 11             | 458                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0                          | 0.1309 | -0.0831 | 350.5           | 7              | 439                         | 21             | 507                         |  |

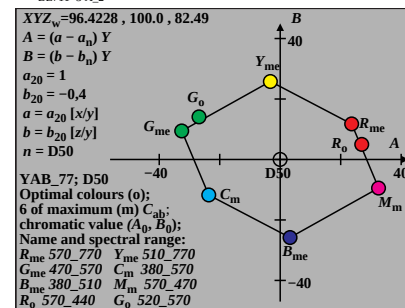
BE711-7A\_2



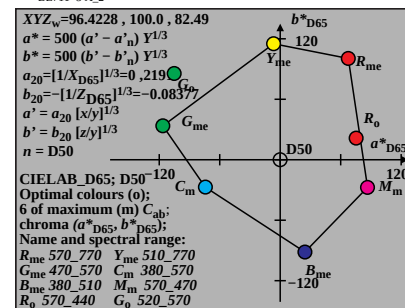
BE711-1 A\_2



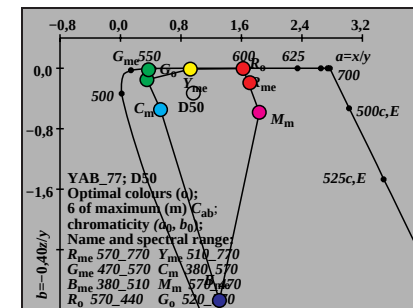
BE711-3 A\_2



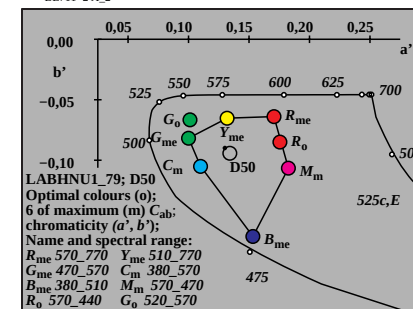
BE711-5 A\_2



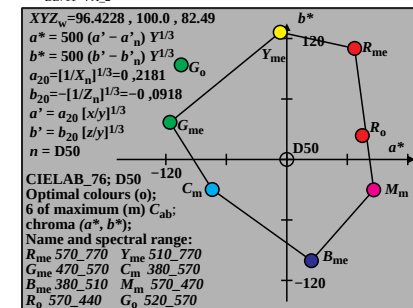
BE711-7 A\_2



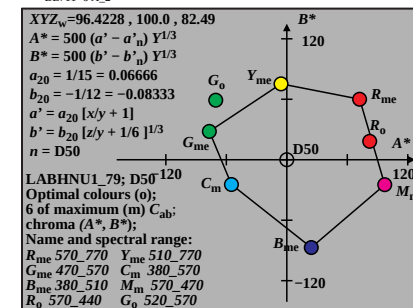
BE711-2 A\_2



BE711-4 A\_2



BE711-6 A\_2



BE711-8 A\_2

see similar files: <http://farbe.li.tu-berlin.de/BE71/BE71.HTM>  
technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20170801-BE71/BE71L0NA.TXT /PS  
application for measurement of display output

TUB material: code=rha4ta

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P45, Y <sub>m</sub> =510_770, CIEXYZ |       |       |       |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 61.97 | 38.1  | 0.31  | 0.6173 | 0.3795 | 0.0031 | 238.9           | 38             | 593            | 17             | 487            |  |
| Y <sub>me</sub> 510_770                                                                          | 78.18 | 81.68 | 2.13  | 0.4826 | 0.5042 | 0.0131 | 221.0           | 34             | 571            | 13             | 468            |  |
| G <sub>me</sub> 470_570                                                                          | 18.14 | 51.07 | 18.23 | 0.2075 | 0.584  | 0.2084 | 211.1           | 22             | 510            | -1             | 510c           |  |
| C <sub>m</sub> 380_570                                                                           | 27.65 | 52.24 | 68.41 | 0.1864 | 0.3522 | 0.4613 | 213.7           | 17             | 487            | 38             | 593            |  |
| B <sub>me</sub> 380_510                                                                          | 11.46 | 8.66  | 66.6  | 0.1321 | 0.0999 | 0.7679 | 226.1           | 13             | 468            | 34             | 571            |  |
| M <sub>m</sub> 570_470                                                                           | 71.47 | 39.26 | 50.48 | 0.4433 | 0.2435 | 0.3131 | 245.4           | -1             | 510c           | 22             | 510            |  |
| R <sub>o</sub> 570_440                                                                           | 65.65 | 38.26 | 18.3  | 0.5371 | 0.313  | 0.1497 | 241.4           | -1             | 491c           | 18             | 491            |  |
| G <sub>o</sub> 520_570                                                                           | 16.54 | 43.92 | 2.08  | 0.2645 | 0.702  | 0.0333 | 214.1           | 27             | 538            | -1             | 538c           |  |
| W <sub>1</sub> 380_770                                                                           | 89.28 | 90.0  | 68.46 | 0.3603 | 0.3632 | 0.2763 | 225.2           | 17             | 488            | 39             | 597            |  |

BE711-1A\_3

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P45, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 38.1  | 24.17  | 11.46  | 26.75           | 1.6265 | -0.0033 | 25.3            | 38             | 593                         | 18             | 490                         |  |
| Y <sub>me</sub> 510_770                                                                          | 81.68 | -2.85  | 24.0   | 24.17           | 0.9571 | -0.0104 | 96.7            | 34             | 571                         | 13             | 468                         |  |
| G <sub>me</sub> 470_570                                                                          | 51.07 | -32.52 | 8.24   | 33.55           | 0.3553 | -0.1428 | 165.7           | 21             | 506                         | -1             | 506c                        |  |
| C <sub>m</sub> 380_570                                                                           | 52.24 | -24.17 | -11.47 | 26.75           | 0.5293 | -0.5238 | 205.3           | 17             | 486                         | 36             | 582                         |  |
| B <sub>me</sub> 380_510                                                                          | 8.66  | 2.86   | -24.0  | 24.17           | 1.322  | -3.073  | 276.7           | 13             | 468                         | 34             | 571                         |  |
| M <sub>m</sub> 570_470                                                                           | 39.26 | 32.52  | -8.24  | 33.55           | 1.8203 | -0.5143 | 345.7           | -1             | 544c                        | 28             | 544                         |  |
| R <sub>o</sub> 570_440                                                                           | 38.26 | 27.69  | 4.32   | 28.03           | 1.7159 | -0.1913 | 8.8             | -1             | 498c                        | 19             | 498                         |  |
| G <sub>o</sub> 520_570                                                                           | 43.92 | -27.02 | 12.53  | 29.78           | 0.3767 | -0.019  | 155.1           | 27             | 537                         | -1             | 537c                        |  |
| W <sub>1</sub> 380_770                                                                           | 90.0  | 0.0    | 0.0    | 0.01            | 0.992  | -0.3042 | 355.4           | 13             | 469                         | 34             | 571                         |  |

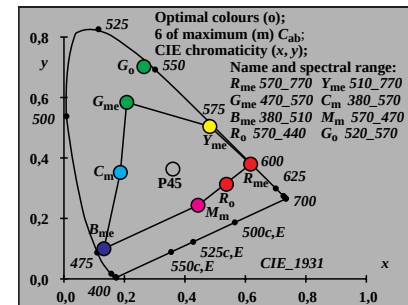
BE711-3A\_3

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P45, Y <sub>m</sub> =510_770, CIELAB_76 |       |         |         |                 |        |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|---------|---------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*      | b*      | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 68.1  | 64.93   | 112.44  | 129.85          | 0.254  | -0.0191 | 59.9            | 38             | 593                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 92.43 | -5.55   | 126.12  | 126.24          | 0.2129 | -0.028  | 92.5            | 34             | 571                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 76.73 | -115.81 | 35.62   | 121.17          | 0.153  | -0.0669 | 162.9           | 23             | 515                         | -1             | 515c                        |  |
| C <sub>m</sub> 380_570                                                                              | 77.43 | -76.06  | -31.97  | 82.5            | 0.1747 | -0.1033 | 202.8           | 16             | 483                         | -1             | 483c                        |  |
| B <sub>me</sub> 380_510                                                                             | 35.35 | 22.21   | -102.78 | 105.16          | 0.2371 | -0.1863 | 282.1           | 13             | 469                         | 33             | 565                         |  |
| M <sub>m</sub> 570_470                                                                              | 68.95 | 82.1    | -27.99  | 86.74           | 0.2637 | -0.1026 | 341.1           | -1             | 517c                        | 23             | 517                         |  |
| R <sub>o</sub> 570_440                                                                              | 68.22 | 72.72   | 20.79   | 75.64           | 0.2586 | -0.0738 | 15.9            | -1             | 485c                        | 17             | 485                         |  |
| G <sub>o</sub> 520_570                                                                              | 72.18 | -104.8  | 91.63   | 139.21          | 0.156  | -0.0342 | 138.8           | 27             | 538                         | 7              | 436                         |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0     | 0.0     | 0.0             | 0.2154 | -0.0861 | 219.6           | 16             | 480                         | -1             | 480c                        |  |

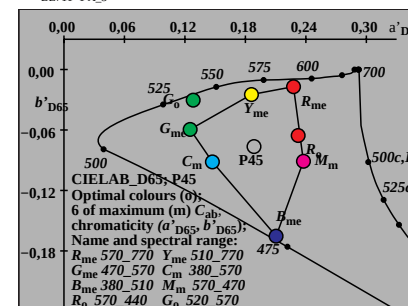
BE711-5A\_3

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P45, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 68.1  | 71.15  | 58.28  | 91.98           | 0.1751 | -0.0466 | 39.3            | 38             | 593                         | 16             | 482                         |  |
| Y <sub>me</sub> 510_770                                                                              | 92.43 | -5.05  | 71.84  | 72.02           | 0.1304 | -0.0481 | 94.0            | 34             | 571                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                              | 76.73 | -78.73 | 26.14  | 82.96           | 0.0903 | -0.0671 | 161.6           | 21             | 508                         | 7              | 439                         |  |
| C <sub>m</sub> 380_570                                                                               | 77.43 | -57.65 | -25.45 | 63.02           | 0.1019 | -0.0948 | 203.8           | 17             | 486                         | 42             | 612                         |  |
| B <sub>me</sub> 380_510                                                                              | 35.35 | 22.59  | -86.61 | 89.51           | 0.1548 | -0.1656 | 284.6           | 13             | 469                         | 33             | 567                         |  |
| M <sub>m</sub> 570_470                                                                               | 68.95 | 93.83  | -22.27 | 96.44           | 0.188  | -0.0943 | 346.6           | 5              | 429                         | 20             | 504                         |  |
| R <sub>o</sub> 570_440                                                                               | 68.22 | 81.29  | 15.6   | 82.78           | 0.181  | -0.072  | 10.8            | -1             | 490c                        | 18             | 490                         |  |
| G <sub>o</sub> 520_570                                                                               | 72.18 | -72.35 | 55.38  | 91.12           | 0.0917 | -0.0498 | 142.5           | 27             | 537                         | 11             | 457                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0             | 0.1328 | -0.0812 | 333.3           | 17             | 489                         | -1             | 489c                        |  |

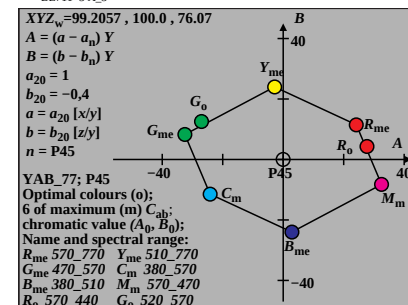
BE711-7A\_3



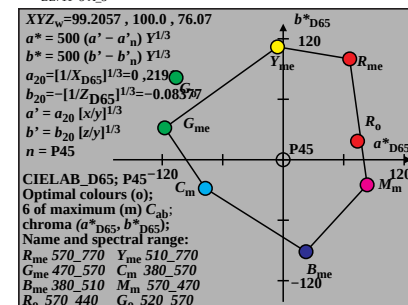
BE711-1 A\_3



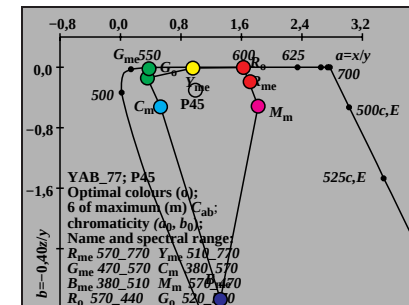
BE711-3 A\_3



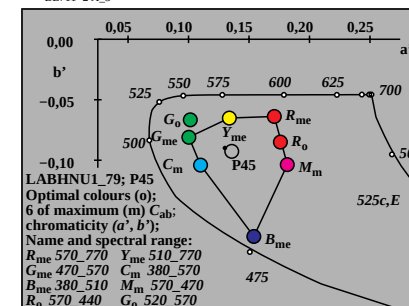
BE711-5 A\_3



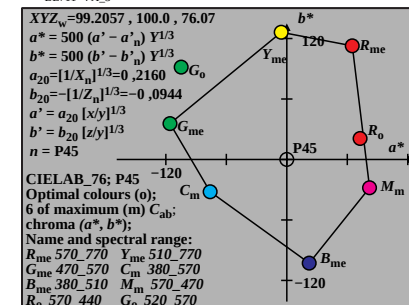
BE711-7 A\_3



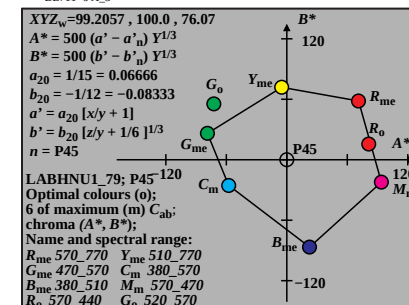
BE711-2 A\_3



BE711-4 A\_3



BE711-6 A\_3



BE711-8 A\_3

TUB-test chart BE71; Colorimetry of Ostwald optimal colours; K=25:1 input: w/rgb/cmyk->rgb  
colour spaces CIEXYZ, YAB\_77, CIELAB, LABHNU1\_79; illuminant P40 ; CIE 2 degree



**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; A00, Y<sub>m</sub>=510\_770, CIEXYZ**

| Code                    | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 78.88 | 46.49 | 0.17  | 0.6282 | 0.3702 | 0.0014 | 239.9           | 39             | 595            | 18             | 493            |
| Y <sub>me</sub> 510_770 | 94.02 | 84.89 | 1.58  | 0.5208 | 0.4703 | 0.0087 | 223.6           | 35             | 576            | 14             | 472            |
| G <sub>me</sub> 470_570 | 16.41 | 43.31 | 10.9  | 0.2323 | 0.6132 | 0.1544 | 211.2           | 21             | 509            | -1             | 509c           |
| C <sub>m</sub> 380_570  | 20.36 | 43.85 | 31.97 | 0.2116 | 0.4559 | 0.3324 | 212.1           | 18             | 493            | 39             | 595            |
| B <sub>me</sub> 380_510 | 5.23  | 5.45  | 30.56 | 0.1268 | 0.1322 | 0.7408 | 222.1           | 14             | 472            | 35             | 576            |
| M <sub>m</sub> 570_470  | 82.82 | 47.02 | 21.23 | 0.5482 | 0.3112 | 0.1405 | 242.9           | -1             | 509c           | 21             | 509            |
| R <sub>o</sub> 570_440  | 80.19 | 46.55 | 6.58  | 0.6014 | 0.3491 | 0.0493 | 240.9           | 42             | 610            | 19             | 496            |
| G <sub>o</sub> 520_570  | 15.52 | 38.75 | 1.53  | 0.2781 | 0.6943 | 0.0274 | 212.9           | 27             | 538            | -1             | 538c           |
| W <sub>1</sub> 380_770  | 98.86 | 89.99 | 32.02 | 0.4475 | 0.4074 | 0.1449 | 222.3           | 13             | 467            | 38             | 594            |

**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; A00, Y<sub>m</sub>=510\_770, YAB\_77**

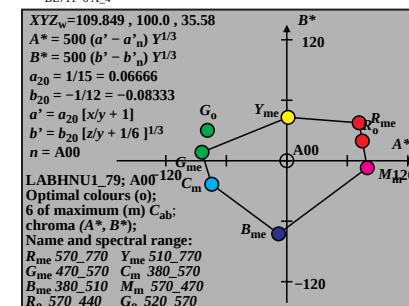
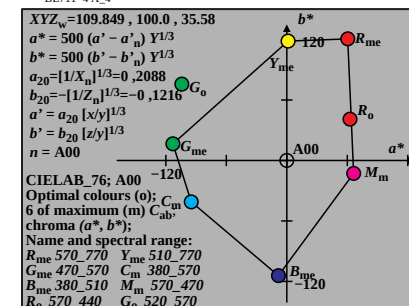
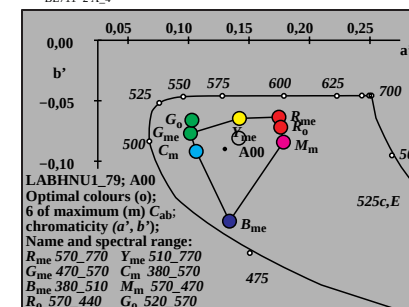
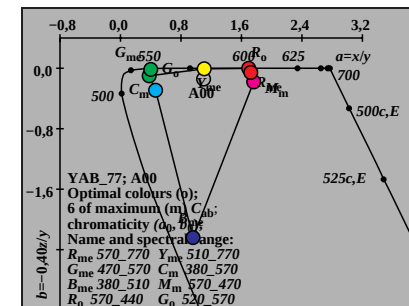
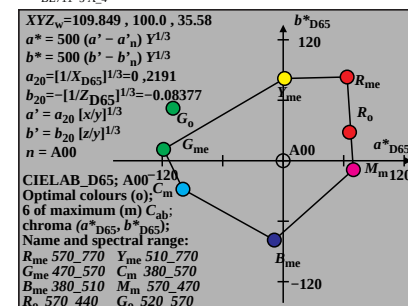
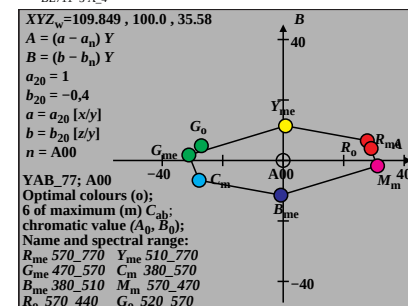
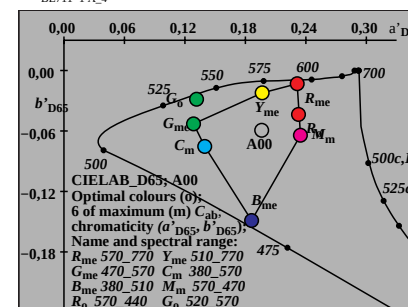
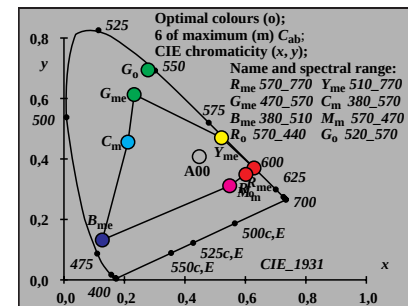
| Code                    | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 46.49 | 27.81  | 6.54   | 28.57           | 1.6967 | -0.0015 | 13.2            | -1             | 595c           | 39             | 595            |
| Y <sub>me</sub> 510_770 | 84.89 | 0.76   | 11.44  | 11.47           | 1.1074 | -0.0074 | 86.1            | 16             | 482            | 35             | 577            |
| G <sub>me</sub> 470_570 | 43.31 | -31.17 | 1.8    | 31.22           | 0.3789 | -0.1007 | 176.6           | 20             | 500            | 32             | 563            |
| C <sub>m</sub> 380_570  | 43.85 | -27.8  | -6.54  | 28.57           | 0.4643 | -0.2916 | 193.2           | 18             | 490            | 34             | 572            |
| B <sub>me</sub> 380_510 | 5.45  | -0.75  | -11.44 | 11.47           | 0.9596 | -2.2411 | 266.2           | 14             | 472            | 35             | 579            |
| M <sub>m</sub> 570_470  | 47.02 | 31.17  | -1.8   | 31.22           | 1.7614 | -0.1806 | 356.6           | -1             | 586c           | 37             | 586            |
| R <sub>o</sub> 570_440  | 46.55 | 29.05  | 3.99   | 29.33           | 1.7227 | -0.0565 | 7.8             | -1             | 590c           | 38             | 590            |
| G <sub>o</sub> 520_570  | 38.75 | -27.04 | 4.9    | 27.48           | 0.4005 | -0.0158 | 169.7           | 21             | 509            | 29             | 547            |
| W <sub>1</sub> 380_770  | 89.99 | 0.0    | 0.0    | 0.01            | 1.0984 | -0.1423 | 0.0             | 15             | 477            | 35             | 578            |

**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; A00, Y<sub>m</sub>=510\_770, CIELAB\_76**

| Code                    | L*    | a*        | b*      | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|-----------|---------|------------------|--------|---------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 73.87 | 60.4      | 124.56  | 138.43           | 0.249  | -0.019  | 64.1            | 37             | 589            | 15             | 476            |
| Y <sub>me</sub> 510_770 | 93.84 | 1.28      | 118.42  | 118.42           | 0.216  | -0.0322 | 89.3            | 35             | 576            | 14             | 471            |
| G <sub>me</sub> 470_570 | 71.77 | -112.9616 | 47      | 114.15           | 0.1511 | -0.0768 | 171.7           | 22             | 514            | -1             | 514c           |
| C <sub>m</sub> 380_570  | 72.13 | -94.76    | -41.04  | 103.27           | 0.1617 | -0.1094 | 203.4           | 17             | 485            | -1             | 485c           |
| B <sub>me</sub> 380_510 | 28.02 | -8.34     | -114.22 | 114.53           | 0.2059 | -0.216  | 265.8           | 14             | 472            | 35             | 578            |
| M <sub>m</sub> 570_470  | 74.21 | 66.27     | -12.85  | 67.5             | 0.2522 | -0.0933 | 349.0           | -1             | 518c           | 23             | 518            |
| R <sub>o</sub> 570_440  | 73.9  | 62.7      | 41.03   | 74.93            | 0.2503 | -0.0633 | 33.2            | -1             | 482c           | 16             | 482            |
| G <sub>o</sub> 520_570  | 68.57 | -104.0775 | 63      | 128.65           | 0.1539 | -0.0414 | 143.9           | 29             | 545            | -1             | 545c           |
| W <sub>1</sub> 380_770  | 96.0  | 0.0       | 0.0     | 0.0              | 0.2154 | -0.0861 | 272.4           | 14             | 471            | 35             | 576            |

**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; A00, Y<sub>m</sub>=510\_770, LABHNU1\_79**

| Code                    | L*    | A*     | B*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|--------|--------|------------------|--------|---------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 73.87 | 71.69  | 37.58  | 80.95            | 0.1797 | -0.0462 | 27.6            | 39             | 595            | 17             | 487            |
| Y <sub>me</sub> 510_770 | 93.84 | 1.31   | 43.07  | 43.09            | 0.1404 | -0.0475 | 88.2            | 35             | 576            | 14             | 471            |
| G <sub>me</sub> 470_570 | 71.77 | -84.22 | 8.4    | 84.64            | 0.0919 | -0.0623 | 174.3           | 21             | 508            | -1             | 508c           |
| C <sub>m</sub> 380_570  | 72.13 | -74.53 | -23.29 | 78.09            | 0.0976 | -0.0803 | 197.3           | 18             | 492            | 41             | 609            |
| B <sub>me</sub> 380_510 | 28.02 | -8.14  | -72.46 | 72.92            | 0.1306 | -0.1494 | 263.5           | 14             | 472            | 35             | 577            |
| M <sub>m</sub> 570_470  | 74.21 | 79.75  | -6.98  | 80.05            | 0.184  | -0.0709 | 354.9           | -1             | 508c           | 21             | 508            |
| R <sub>o</sub> 570_440  | 73.9  | 74.84  | 19.48  | 77.33            | 0.1815 | -0.0562 | 14.5            | 43             | 618            | 18             | 494            |
| G <sub>o</sub> 520_570  | 68.57 | -78.71 | 30.25  | 84.33            | 0.0933 | -0.0492 | 158.9           | 27             | 537            | 8              | 441            |
| W <sub>1</sub> 380_770  | 96.0  | 0.0    | 0.0    | 0.0              | 0.1398 | -0.0671 | 0.0             | -1             | 441c           | -1             | 537c           |



**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; E00, Y<sub>m</sub>=510\_770, CIEXYZ**

| Code                    | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 58.84 | 36.31 | 0.4   | 0.6157 | 0.38   | 0.0042 | 237.1           | 38             | 593            | 16             | 484            |
| Y <sub>me</sub> 510_770 | 74.99 | 80.44 | 2.3   | 0.4754 | 0.5099 | 0.0146 | 218.0           | 34             | 570            | 13             | 466            |
| G <sub>me</sub> 470_570 | 18.38 | 52.5  | 21.11 | 0.1998 | 0.5706 | 0.2295 | 210.1           | 22             | 512            | -1             | 512c           |
| C <sub>m</sub> 380_570  | 31.5  | 54.02 | 89.95 | 0.1795 | 0.3078 | 0.5126 | 213.8           | 16             | 484            | 38             | 593            |
| B <sub>me</sub> 380_510 | 15.37 | 9.9   | 88.05 | 0.1356 | 0.0874 | 0.7769 | 226.7           | 13             | 466            | 34             | 570            |
| M <sub>m</sub> 570_470  | 71.95 | 37.84 | 69.22 | 0.4019 | 0.2113 | 0.3866 | 245.7           | -1             | 512c           | 22             | 512            |
| R <sub>o</sub> 570_440  | 64.33 | 36.55 | 27.21 | 0.5021 | 0.2853 | 0.2124 | 240.6           | -1             | 490c           | 18             | 490            |
| G <sub>o</sub> 520_570  | 16.49 | 44.46 | 2.26  | 0.2608 | 0.7033 | 0.0358 | 213.6           | 27             | 538            | -1             | 538c           |
| W <sub>1</sub> 380_770  | 90.0  | 90.0  | 90.0  | 0.3333 | 0.3333 | 0.3333 | 225.0           | 22             | 512            | -1             | 512c           |

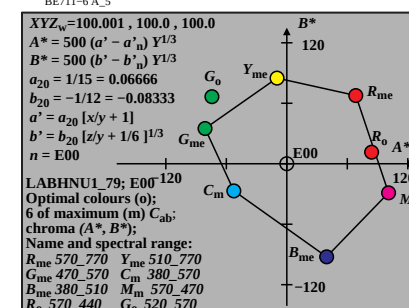
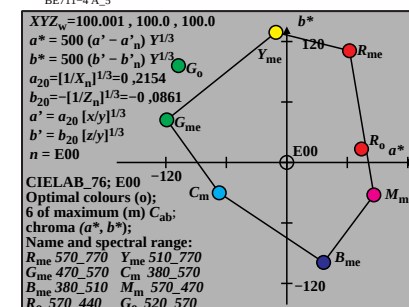
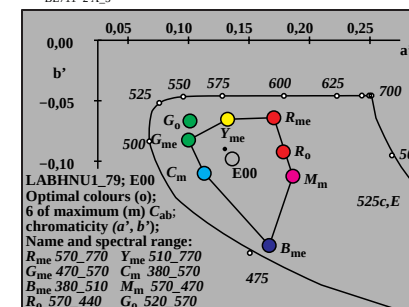
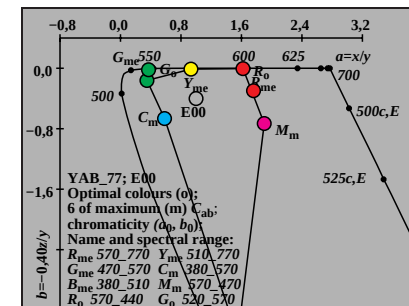
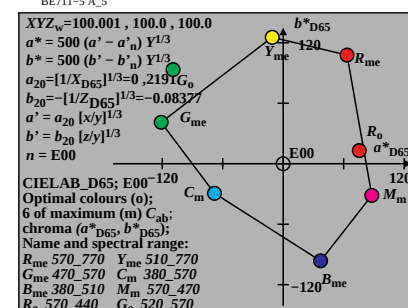
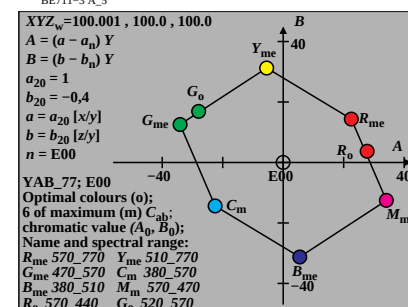
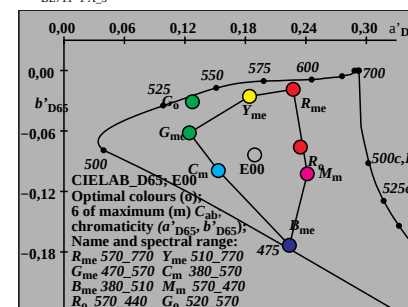
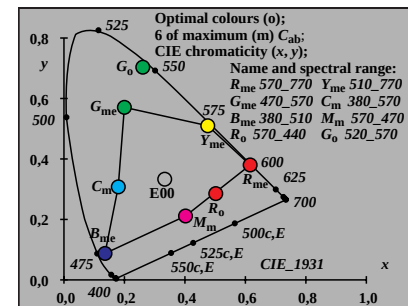
**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; E00, Y<sub>m</sub>=510\_770, YAB\_77**

| Code                    | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 36.31 | 22.52  | 14.36  | 26.71           | 1.6202 | -0.0044 | 32.5            | 38             | 593            | 16             | 484            |
| Y <sub>me</sub> 510_770 | 80.44 | -5.45  | 31.25  | 31.72           | 0.9322 | -0.0114 | 99.8            | 34             | 570            | 13             | 466            |
| G <sub>me</sub> 470_570 | 52.5  | -34.11 | 12.55  | 36.35           | 0.3501 | -0.1608 | 159.7           | 22             | 512            | -1             | 512c           |
| C <sub>m</sub> 380_570  | 54.02 | -22.52 | -14.37 | 26.71           | 0.583  | -0.666  | 212.5           | 16             | 484            | 38             | 593            |
| B <sub>me</sub> 380_510 | 9.9   | 5.46   | -31.25 | 31.73           | 1.5511 | -3.5544 | 279.9           | 13             | 466            | 34             | 570            |
| M <sub>m</sub> 570_470  | 37.84 | 34.11  | -12.55 | 36.35           | 1.9016 | -0.7317 | 339.7           | -1             | 512c           | 22             | 512            |
| R <sub>o</sub> 570_440  | 36.55 | 27.78  | 3.73   | 28.03           | 1.76   | -0.2978 | 7.6             | -1             | 490c           | 18             | 490            |
| G <sub>o</sub> 520_570  | 44.46 | -27.97 | 16.88  | 32.67           | 0.3708 | -0.0203 | 148.8           | 27             | 538            | -1             | 538c           |
| W <sub>1</sub> 380_770  | 90.0  | 0.0    | 0.0    | 0.01            | 1.0    | -0.4    | 7.7             | 29             | 548            | -1             | 548c           |

| Optimal colours (o) RYGCBM of maximum (m) C <sub>AB</sub> ; E00, Y <sub>m</sub> =510_770, CIELAB_76 |       |              |        |                  |         |         |                 |                |                 |                |                 |
|-----------------------------------------------------------------------------------------------------|-------|--------------|--------|------------------|---------|---------|-----------------|----------------|-----------------|----------------|-----------------|
| Code                                                                                                | L*    | a*           | b*     | C* <sub>ab</sub> | a'      | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ* <sub>d</sub> | i <sub>c</sub> | λ* <sub>c</sub> |
| R <sub>me</sub> 570_770                                                                             | 66.77 | 62.24        | 108.83 | 125.38           | 0.253   | -0.0192 | 60.2            | 39             | 595             | 15             | 476             |
| Y <sub>me</sub> 510_770                                                                             | 91.88 | -10.75       | 128.99 | 129.44           | 0.2104  | -0.0263 | 94.7            | 33             | 569             | 14             | 471             |
| G <sub>me</sub> 470_570                                                                             | 77.58 | -119.0242.24 | 126.29 | 0.1518           | -0.0636 | 160.4   | 22              | 514            | -1              | 514c           |                 |
| C <sub>m</sub> 380_570                                                                              | 78.48 | -67.0        | -30.17 | 73.48            | 0.18    | -0.1021 | 204.2           | 16             | 482             | -1             | 482c            |
| B <sub>me</sub> 380_510                                                                             | 37.69 | 36.44        | -99.12 | 105.6            | 0.2494  | -0.1785 | 290.1           | 13             | 467             | 31             | 559             |
| M <sub>m</sub> 570_470                                                                              | 67.91 | 86.39        | -32.25 | 92.21            | 0.2669  | -0.1054 | 339.5           | -1             | 515c            | 23             | 515             |
| R <sub>o</sub> 570_440                                                                              | 66.94 | 74.12        | 13.38  | 75.32            | 0.2601  | -0.0781 | 10.2            | -1             | 486c            | 17             | 486             |
| G <sub>o</sub> 520_570                                                                              | 72.54 | -107.4296.0  | 144.07 | 0.1548           | -0.0319 | 138.2   | 27              | 536            | 8               | 441            |                 |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0          | 0.0    | 0.0              | 0.2154  | -0.0861 | 157.5           | 23             | 516             | -1             | 516c            |

**Optimal colours (o) RYGBCM of maximum (m) C<sub>AB</sub>; E00, Y<sub>m</sub>=510\_770, LABHNU1\_79**

| CodeD65                 | L*    | A*     | B*     | C* <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |
|-------------------------|-------|--------|--------|------------------|--------|---------|-----------------|----------------|----------------|----------------|----------------|
| R <sub>me</sub> 570_770 | 66.77 | 68.45  | 67.66  | 96.25            | 0.1746 | -0.0468 | 44.6            | 38             | 593            | 15             | 479            |
| Y <sub>me</sub> 510_770 | 91.88 | -9.75  | 84.96  | 85.52            | 0.1288 | -0.0483 | 96.5            | 34             | 570            | 14             | 470            |
| G <sub>me</sub> 470_570 | 77.58 | -81.09 | 34.96  | 88.31            | 0.09   | -0.069  | 156.6           | 21             | 508            | 9              | 446            |
| C <sub>m</sub> 380_570  | 78.48 | -52.52 | -26.9  | 59.01            | 0.1055 | -0.1019 | 207.1           | 16             | 483            | 42             | 614            |
| B <sub>me</sub> 380_510 | 37.69 | 39.45  | -92.28 | 100.36           | 0.17   | -0.1736 | 293.1           | 13             | 467            | 32             | 561            |
| M <sub>m</sub> 570_470  | 67.91 | 100.88 | -28.85 | 104.93           | 0.1934 | -0.1049 | 344.0           | 7              | 435            | 20             | 502            |
| R <sub>o</sub> 570_440  | 66.94 | 84.07  | 11.5   | 84.85            | 0.184  | -0.0807 | 7.7             | -1             | 489c           | 17             | 489            |
| G <sub>o</sub> 520_570  | 72.54 | -74.28 | 66.6   | 99.77            | 0.0913 | -0.0501 | 138.1           | 27             | 536            | 12             | 460            |
| W <sub>1</sub> 380_770  | 96.0  | 0.0    | 0.0    | 0.0              | 0.1333 | -0.0877 | 0.0             | 18             | 493            | -1             | 493c           |



| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; C00, Y <sub>m</sub> =510_770, CIEXYZ |       |       |        |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|--------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z      | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 53.78 | 33.79 | 0.46   | 0.6108 | 0.3838 | 0.0053 | 236.2           | 38             | 592            | 16             | 483            |  |
| Y <sub>me</sub> 510_770                                                                          | 70.53 | 78.94 | 2.36   | 0.4645 | 0.5198 | 0.0155 | 217.4           | 33             | 568            | 13             | 466            |  |
| G <sub>me</sub> 470_570                                                                          | 19.43 | 54.68 | 25.22  | 0.1955 | 0.5505 | 0.2538 | 209.9           | 22             | 513            | -1             | 513c           |  |
| C <sub>m</sub> 380_570                                                                           | 34.81 | 56.54 | 106.36 | 0.176  | 0.2859 | 0.5379 | 214.4           | 16             | 483            | 38             | 592            |  |
| B <sub>me</sub> 380_510                                                                          | 18.07 | 11.4  | 104.45 | 0.1349 | 0.0851 | 0.7798 | 227.9           | 13             | 466            | 33             | 568            |  |
| M <sub>m</sub> 570_470                                                                           | 69.16 | 35.65 | 81.57  | 0.371  | 0.1912 | 0.4376 | 245.8           | -1             | 513c           | 22             | 513            |  |
| R <sub>o</sub> 570_440                                                                           | 59.73 | 34.06 | 29.58  | 0.4841 | 0.276  | 0.2397 | 239.8           | -1             | 488c           | 17             | 488            |  |
| G <sub>o</sub> 520_570                                                                           | 17.09 | 45.48 | 2.32   | 0.2633 | 0.7008 | 0.0358 | 213.9           | 27             | 539            | -1             | 539c           |  |
| W <sub>1</sub> 380_770                                                                           | 88.26 | 90.0  | 106.4  | 0.31   | 0.3161 | 0.3737 | 225.5           | -1             | 573c           | 34             | 573            |  |

BE711-1A\_6

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; C00, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 33.79 | 20.63  | 15.79  | 25.98           | 1.5913 | -0.0055 | 37.4            | 38             | 592                         | 16             | 482                         |  |
| Y <sub>me</sub> 510_770                                                                          | 78.94 | -6.88  | 36.38  | 37.03           | 0.8935 | -0.0119 | 100.7           | 33             | 568                         | 13             | 469                         |  |
| G <sub>me</sub> 470_570                                                                          | 54.68 | -34.2  | 15.77  | 37.66           | 0.3552 | -0.1844 | 155.2           | 23             | 516                         | -1             | 516c                        |  |
| C <sub>m</sub> 380_570                                                                           | 56.54 | -20.63 | -15.8  | 25.99           | 0.6157 | -0.7523 | 217.4           | 16             | 483                         | 40             | 600                         |  |
| B <sub>me</sub> 380_510                                                                          | 11.4  | 6.88   | -36.38 | 37.03           | 1.5846 | -3.6623 | 280.7           | 13             | 466                         | 33             | 567                         |  |
| M <sub>m</sub> 570_470                                                                           | 35.65 | 34.2   | -15.77 | 37.66           | 1.94   | -0.9152 | 335.2           | -1             | 501c                        | 20             | 501                         |  |
| R <sub>o</sub> 570_440                                                                           | 34.06 | 26.33  | 4.27   | 26.67           | 1.7538 | -0.3473 | 9.2             | -1             | 486c                        | 17             | 486                         |  |
| G <sub>o</sub> 520_570                                                                           | 45.48 | -27.51 | 20.58  | 34.36           | 0.3757 | -0.0204 | 143.2           | 27             | 539                         | -1             | 539c                        |  |
| W <sub>1</sub> 380_770                                                                           | 90.0  | 0.0    | 0.0    | 0.01            | 0.9807 | -0.4729 | 358.3           | 35             | 576                         | 15             | 476                         |  |

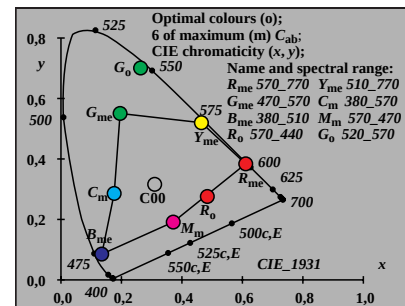
BE711-3A\_6

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; C00, Y <sub>m</sub> =510_770, CIELAB_76 |       |              |        |                              |         |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|--------------|--------|------------------------------|---------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*           | b*     | C <sup>*</sup> <sub>ab</sub> | a'      | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 64.81 | 60.97        | 104.46 | 120.95                       | 0.2532  | -0.0195 | 59.7            | 39             | 597                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 91.21 | -14.11       | 130.45 | 131.21                       | 0.2088  | -0.0253 | 96.1            | 33             | 568                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 78.86 | -117.3744.03 | 125.36 | 0.1536                       | -0.0629 | 159.4   | 22              | 513            | -1                          | 513c           |                             |  |
| C <sub>m</sub> 380_570                                                                              | 79.92 | -59.4        | -27.68 | 65.53                        | 0.1845  | -0.1006 | 204.9           | 16             | 481                         | -1             | 481c                        |  |
| B <sub>me</sub> 380_510                                                                             | 40.27 | 42.04        | -94.89 | 103.78                       | 0.2528  | -0.1705 | 293.8           | 13             | 467                         | 30             | 554                         |  |
| M <sub>m</sub> 570_470                                                                              | 66.26 | 90.51        | -34.91 | 97.01                        | 0.2704  | -0.1074 | 338.9           | -1             | 514c                        | 22             | 514                         |  |
| R <sub>o</sub> 570_440                                                                              | 65.01 | 74.64        | 13.64  | 75.88                        | 0.2615  | -0.0777 | 10.3            | -1             | 485c                        | 17             | 485                         |  |
| G <sub>o</sub> 520_570                                                                              | 73.21 | -105.2199.74 | 144.97 | 0.1565                       | -0.0302 | 136.5   | 27              | 535            | 9                           | 448            |                             |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0          | 0.0    | 0.0                          | 0.2154  | -0.0861 | 274.7           | 14             | 472                         | 34             | 572                         |  |

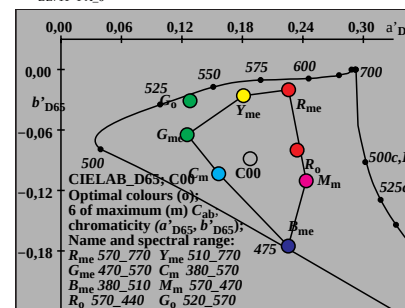
BE711-5A\_6

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; C00, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                              |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|------------------------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sup>*</sup> <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 64.81 | 65.8   | 72.7   | 98.05                        | 0.1727 | -0.047  | 47.8            | 38             | 592                         | 15             | 478                         |  |
| Y <sub>me</sub> 510_770                                                                              | 91.21 | -12.46 | 93.53  | 94.35                        | 0.1262 | -0.0484 | 97.5            | 33             | 568                         | 14             | 470                         |  |
| G <sub>me</sub> 470_570                                                                              | 78.86 | -79.12 | 39.31  | 88.34                        | 0.0903 | -0.0713 | 153.5           | 21             | 508                         | 10             | 450                         |  |
| C <sub>m</sub> 380_570                                                                               | 79.92 | -46.68 | -26.37 | 53.61                        | 0.1077 | -0.1058 | 209.4           | 16             | 482                         | 42             | 613                         |  |
| B <sub>me</sub> 380_510                                                                              | 40.27 | 45.31  | -93.75 | 104.12                       | 0.1723 | -0.1753 | 295.7           | 13             | 467                         | 31             | 557                         |  |
| M <sub>m</sub> 570_470                                                                               | 66.26 | 105.23 | -33.46 | 110.42                       | 0.196  | -0.1124 | 342.3           | 7              | 439                         | 20             | 501                         |  |
| R <sub>o</sub> 570_440                                                                               | 65.01 | 83.52  | 12.6   | 84.46                        | 0.1835 | -0.0842 | 8.5             | -1             | 488c                        | 17             | 488                         |  |
| G <sub>o</sub> 520_570                                                                               | 73.21 | -71.97 | 74.83  | 103.83                       | 0.0917 | -0.0501 | 133.8           | 27             | 537                         | 12             | 462                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0                          | 0.132  | -0.092  | 350.5           | 14             | 472                         | 34             | 572                         |  |

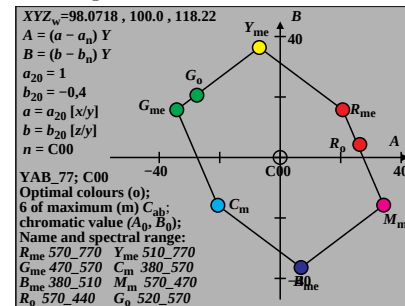
BE711-7A\_6



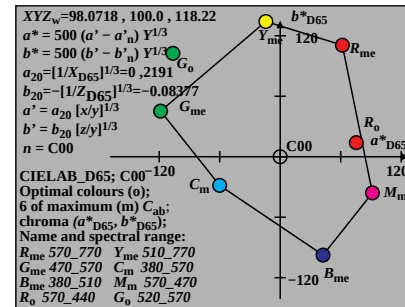
BE711-1 A\_6



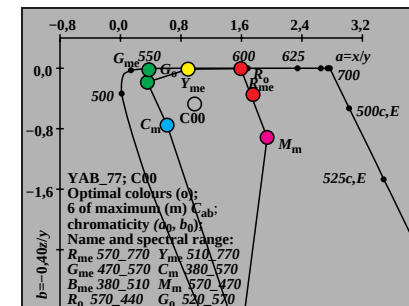
BE711-3 A\_6



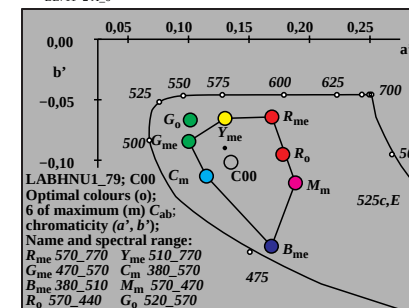
BE711-5 A\_6



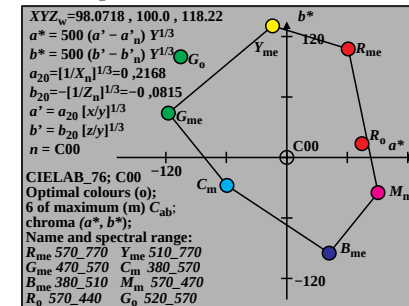
BE711-7 A\_6



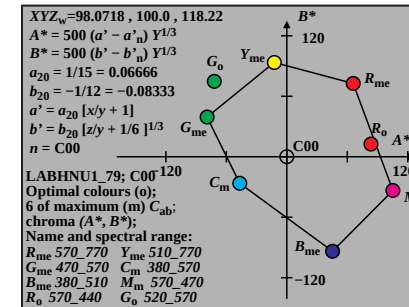
BE711-2 A\_6



BE711-4 A\_6



BE711-6 A\_6



BE711-8 A\_6

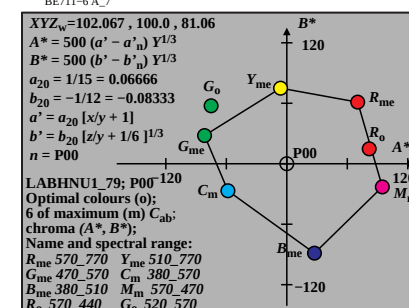
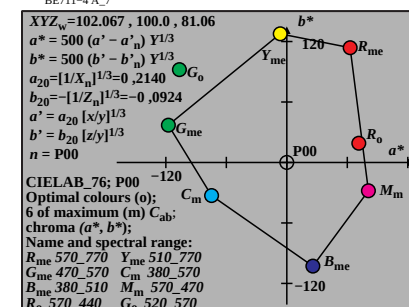
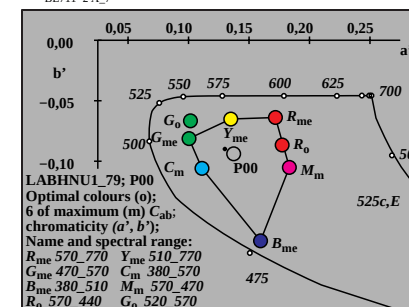
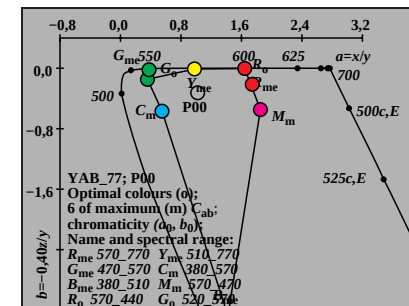
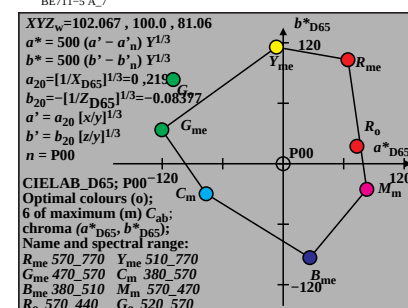
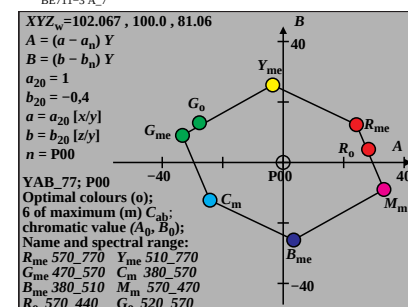
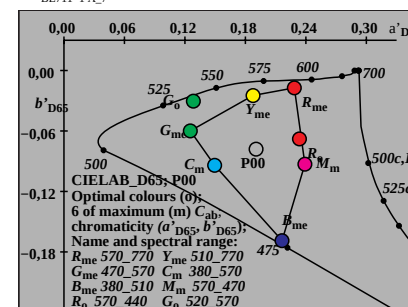
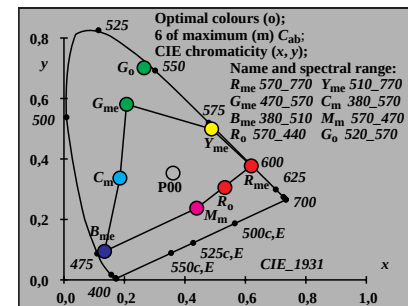


| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P00, Y <sub>m</sub> =510_770, CIEXYZ |       |       |       |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|-------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z     | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 63.95 | 38.92 | 0.33  | 0.6196 | 0.3771 | 0.0032 | 238.0           | 38             | 593            | 17             | 486            |  |
| Y <sub>me</sub> 510_770                                                                          | 79.87 | 81.65 | 2.11  | 0.488  | 0.4989 | 0.0129 | 219.5           | 34             | 572            | 13             | 468            |  |
| G <sub>me</sub> 470_570                                                                          | 17.89 | 50.18 | 18.33 | 0.207  | 0.5807 | 0.2121 | 210.6           | 22             | 511            | -1             | 511c           |  |
| C <sub>m</sub> 380_570                                                                           | 28.26 | 51.41 | 72.9  | 0.1852 | 0.3369 | 0.4778 | 213.3           | 17             | 486            | 38             | 593            |  |
| B <sub>me</sub> 380_510                                                                          | 12.35 | 8.69  | 71.12 | 0.134  | 0.0943 | 0.7716 | 225.5           | 13             | 467            | 34             | 572            |  |
| M <sub>m</sub> 570_470                                                                           | 74.32 | 40.15 | 54.89 | 0.4387 | 0.237  | 0.3241 | 245.1           | -1             | 511c           | 22             | 511            |  |
| R <sub>o</sub> 570_440                                                                           | 68.14 | 39.1  | 20.83 | 0.532  | 0.3053 | 0.1626 | 240.8           | -1             | 491c           | 18             | 491            |  |
| G <sub>o</sub> 520_570                                                                           | 16.27 | 43.07 | 2.06  | 0.2649 | 0.7013 | 0.0336 | 213.5           | 27             | 538            | -1             | 538c           |  |
| W <sub>1</sub> 380_770                                                                           | 91.86 | 90.0  | 72.95 | 0.3604 | 0.3531 | 0.2863 | 224.4           | 37             | 589            | 17             | 489            |  |

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P00, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 38.92 | 24.22  | 12.48  | 27.25           | 1.6429 | -0.0034 | 27.2            | 38             | 593                         | 17             | 488                         |  |
| Y <sub>me</sub> 510_770                                                                          | 81.65 | -3.47  | 25.63  | 25.86           | 0.9781 | -0.0103 | 97.7            | 34             | 572                         | 12             | 461                         |  |
| G <sub>me</sub> 470_570                                                                          | 50.18 | -33.33 | 8.93   | 34.5            | 0.3565 | -0.1461 | 164.9           | 21             | 507                         | -1             | 507c                        |  |
| C <sub>m</sub> 380_570                                                                           | 51.41 | -24.21 | -12.49 | 27.25           | 0.5496 | -0.5671 | 207.2           | 17             | 485                         | 37             | 587                         |  |
| B <sub>me</sub> 380_510                                                                          | 8.69  | 3.48   | -25.63 | 25.86           | 1.4209 | -3.2718 | 277.7           | 13             | 468                         | 34             | 573                         |  |
| M <sub>m</sub> 570_470                                                                           | 40.15 | 33.33  | -8.93  | 34.5            | 1.8507 | -0.5468 | 344.9           | -1             | 541c                        | 28             | 541                         |  |
| R <sub>o</sub> 570_440                                                                           | 39.1  | 28.23  | 4.34   | 28.56           | 1.7426 | -0.213  | 8.7             | -1             | 496c                        | 19             | 496                         |  |
| G <sub>o</sub> 520_570                                                                           | 43.07 | -27.69 | 13.13  | 30.65           | 0.3777 | -0.0192 | 154.6           | 27             | 537                         | -1             | 537c                        |  |
| W <sub>1</sub> 380_770                                                                           | 90.0  | 0.0    | 0.0    | 0.01            | 1.0206 | -0.3242 | 4.6             | 15             | 476                         | 35             | 576                         |  |

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P00, Y <sub>m</sub> =510_770, CIELAB_76 |       |           |         |                 |        |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|-----------|---------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*        | b*      | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 68.7  | 62.77     | 113.19  | 129.43          | 0.2525 | -0.0189 | 60.9            | 38             | 593                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 92.42 | -6.58     | 127.55  | 127.72          | 0.2124 | -0.0273 | 92.9            | 34             | 572                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 76.18 | -117.4837 | 0.7     | 123.19          | 0.1517 | -0.066  | 162.4           | 23             | 515                         | -1             | 515c                        |  |
| C <sub>m</sub> 380_570                                                                              | 76.93 | -74.66    | -32.82  | 81.56           | 0.1753 | -0.1038 | 203.7           | 16             | 482                         | -1             | 482c                        |  |
| B <sub>me</sub> 380_510                                                                             | 35.41 | 25.81     | -102.84 | 106.03          | 0.2406 | -0.1862 | 284.0           | 13             | 468                         | 33             | 565                         |  |
| M <sub>m</sub> 570_470                                                                              | 69.58 | 80.92     | -28.07  | 85.66           | 0.2627 | -0.1025 | 340.8           | -1             | 517c                        | 23             | 517                         |  |
| R <sub>o</sub> 570_440                                                                              | 68.83 | 71.36     | 19.09   | 73.87           | 0.2575 | -0.0749 | 14.9            | -1             | 485c                        | 17             | 485                         |  |
| G <sub>o</sub> 520_570                                                                              | 71.61 | -106.4692 | 0.9     | 140.77          | 0.1547 | -0.0336 | 139.1           | 27             | 538                         | 7              | 435                         |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0       | 0.0     | 0.0             | 0.2154 | -0.0861 | 85.2            | 34             | 573                         | 14             | 471                         |  |

| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; P00, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 68.7  | 70.29  | 61.08  | 93.12           | 0.1761 | -0.0466 | 40.9            | 38             | 594                         | 16             | 481                         |  |
| Y <sub>me</sub> 510_770                                                                              | 92.42 | -6.15  | 74.98  | 75.23           | 0.1318 | -0.0481 | 94.6            | 34             | 572                         | 14             | 470                         |  |
| G <sub>me</sub> 470_570                                                                              | 76.18 | -81.64 | 27.98  | 86.31           | 0.0904 | -0.0675 | 161.0           | 21             | 508                         | 7              | 439                         |  |
| C <sub>m</sub> 380_570                                                                               | 76.93 | -58.37 | -26.87 | 64.26           | 0.1033 | -0.0971 | 204.7           | 17             | 485                         | 42             | 613                         |  |
| B <sub>me</sub> 380_510                                                                              | 35.41 | 27.43  | -88.75 | 92.89           | 0.1613 | -0.169  | 287.1           | 13             | 468                         | 33             | 567                         |  |
| M <sub>m</sub> 570_470                                                                               | 69.58 | 94.73  | -22.94 | 97.47           | 0.19   | -0.0961 | 346.3           | 5              | 429                         | 20             | 504                         |  |
| R <sub>o</sub> 570_440                                                                               | 68.83 | 81.67  | 14.81  | 83.0            | 0.1828 | -0.0739 | 10.2            | -1             | 490c                        | 18             | 490                         |  |
| G <sub>o</sub> 520_570                                                                               | 71.61 | -75.11 | 57.47  | 94.57           | 0.0918 | -0.0499 | 142.5           | 27             | 537                         | 11             | 457                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0             | 0.1347 | -0.0826 | 9.4             | 34             | 573                         | 14             | 471                         |  |



| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; Q00, Y <sub>m</sub> =510_770, CIEXYZ |       |       |        |        |        |        |                 |                |                |                |                |  |
|--------------------------------------------------------------------------------------------------|-------|-------|--------|--------|--------|--------|-----------------|----------------|----------------|----------------|----------------|--|
| Code                                                                                             | X     | Y     | Z      | x      | y      | z      | h <sub>xy</sub> | i <sub>d</sub> | λ <sub>d</sub> | i <sub>c</sub> | λ <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 53.73 | 33.71 | 0.46   | 0.6112 | 0.3834 | 0.0053 | 236.3           | 38             | 592            | 16             | 483            |  |
| Y <sub>me</sub> 510_770                                                                          | 70.1  | 79.22 | 2.49   | 0.4617 | 0.5218 | 0.0164 | 216.7           | 33             | 568            | 13             | 465            |  |
| G <sub>me</sub> 470_570                                                                          | 18.87 | 54.82 | 23.9   | 0.1934 | 0.5616 | 0.2448 | 209.7           | 22             | 513            | -1             | 513c           |  |
| C <sub>m</sub> 380_570                                                                           | 34.74 | 56.63 | 107.01 | 0.1751 | 0.2854 | 0.5394 | 214.4           | 16             | 483            | 38             | 592            |  |
| B <sub>me</sub> 380_510                                                                          | 18.38 | 11.12 | 104.98 | 0.1367 | 0.0827 | 0.7805 | 228.1           | 13             | 465            | 33             | 568            |  |
| M <sub>m</sub> 570_470                                                                           | 69.59 | 35.52 | 83.56  | 0.3688 | 0.1882 | 0.4428 | 246.2           | -1             | 513c           | 22             | 513            |  |
| R <sub>o</sub> 570_440                                                                           | 60.52 | 34.0  | 33.61  | 0.4723 | 0.2653 | 0.2623 | 240.4           | -1             | 489c           | 17             | 489            |  |
| G <sub>o</sub> 520_570                                                                           | 16.7  | 45.86 | 2.45   | 0.2569 | 0.7052 | 0.0378 | 213.6           | 27             | 538            | -1             | 538c           |  |
| W <sub>1</sub> 380_770                                                                           | 88.13 | 90.0  | 107.05 | 0.309  | 0.3155 | 0.3753 | 225.5           | -1             | 489c           | 17             | 489            |  |

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| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; Q00, Y <sub>m</sub> =510_770, YAB_77 |       |        |        |                 |        |         |                 |                |                             |                |                             |  |
|--------------------------------------------------------------------------------------------------|-------|--------|--------|-----------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                             | Y     | A      | B      | c <sub>AB</sub> | a      | b       | h <sub>AB</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                          | 33.71 | 20.72  | 15.85  | 26.09           | 1.5939 | -0.0055 | 37.4            | 38             | 592                         | 16             | 482                         |  |
| Y <sub>me</sub> 510_770                                                                          | 79.22 | -7.48  | 36.69  | 37.45           | 0.8848 | -0.0126 | 101.5           | 33             | 568                         | 13             | 468                         |  |
| G <sub>me</sub> 470_570                                                                          | 54.82 | -34.8  | 16.52  | 38.53           | 0.3443 | -0.1743 | 154.6           | 23             | 517                         | -1             | 517c                        |  |
| C <sub>m</sub> 380_570                                                                           | 56.63 | -20.71 | -15.86 | 26.09           | 0.6134 | -0.7558 | 217.4           | 16             | 483                         | 40             | 601                         |  |
| B <sub>me</sub> 380_510                                                                          | 11.12 | 7.49   | -36.7  | 37.45           | 1.6529 | -3.7754 | 281.5           | 13             | 465                         | 33             | 566                         |  |
| M <sub>m</sub> 570_470                                                                           | 35.52 | 34.8   | -16.52 | 38.53           | 1.9592 | -0.9409 | 334.6           | -1             | 501c                        | 20             | 501                         |  |
| R <sub>o</sub> 570_440                                                                           | 34.0  | 27.22  | 2.73   | 27.36           | 1.78   | -0.3954 | 5.7             | -1             | 487c                        | 17             | 487                         |  |
| G <sub>o</sub> 520_570                                                                           | 45.86 | -28.2  | 20.83  | 35.06           | 0.3643 | -0.0214 | 143.5           | 27             | 538                         | -1             | 538c                        |  |
| W <sub>1</sub> 380_770                                                                           | 90.0  | 0.0    | 0.0    | 0.01            | 0.9793 | -0.4758 | 4.1             | 35             | 576                         | 15             | 476                         |  |

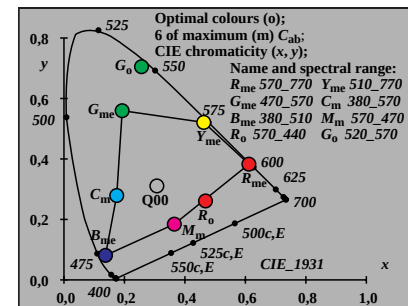
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| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; Q00, Y <sub>m</sub> =510_770, CIELAB_76 |       |         |        |                              |        |         |                 |                |                             |                |                             |  |
|-----------------------------------------------------------------------------------------------------|-------|---------|--------|------------------------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| Code                                                                                                | L*    | a*      | b*     | C <sup>*</sup> <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                             | 64.74 | 61.34   | 104.3  | 121.0                        | 0.2534 | -0.0195 | 59.5            | 39             | 597                         | 15             | 476                         |  |
| Y <sub>me</sub> 510_770                                                                             | 91.34 | -15.38  | 129.79 | 130.7                        | 0.2083 | -0.0257 | 96.7            | 33             | 567                         | 14             | 471                         |  |
| G <sub>me</sub> 470_570                                                                             | 78.94 | -120.35 | 46.53  | 129.03                       | 0.152  | -0.0616 | 158.8           | 22             | 514                         | -1             | 514c                        |  |
| C <sub>m</sub> 380_570                                                                              | 79.97 | -59.7   | -27.6  | 65.77                        | 0.1843 | -0.1005 | 204.8           | 16             | 481                         | -1             | 481c                        |  |
| B <sub>me</sub> 380_510                                                                             | 39.8  | 45.82   | -95.63 | 106.04                       | 0.2565 | -0.1719 | 295.5           | 13             | 466                         | 30             | 553                         |  |
| M <sub>m</sub> 570_470                                                                              | 66.16 | 92.07   | -36.14 | 98.91                        | 0.2715 | -0.1081 | 338.5           | -1             | 514c                        | 22             | 514                         |  |
| R <sub>o</sub> 570_440                                                                              | 64.97 | 76.9    | 8.34   | 77.35                        | 0.2629 | -0.081  | 6.1             | -1             | 487c                        | 17             | 487                         |  |
| G <sub>o</sub> 520_570                                                                              | 73.46 | -108.23 | 99.26  | 146.86                       | 0.1549 | -0.0306 | 137.4           | 26             | 534                         | 9              | 446                         |  |
| W <sub>1</sub> 380_770                                                                              | 96.0  | 0.0     | 0.0    | 0.0                          | 0.2154 | -0.0861 | 21.1            | -1             | 482c                        | 16             | 482                         |  |

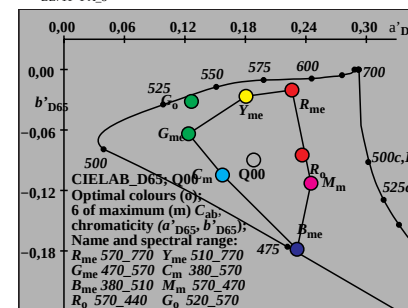
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| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; Q00, Y <sub>m</sub> =510_770, LABHNU1_79 |       |        |        |                              |        |         |                 |                |                             |                |                             |  |
|------------------------------------------------------------------------------------------------------|-------|--------|--------|------------------------------|--------|---------|-----------------|----------------|-----------------------------|----------------|-----------------------------|--|
| CodeD65                                                                                              | L*    | A*     | B*     | C <sup>*</sup> <sub>ab</sub> | a'     | b'      | h <sub>ab</sub> | i <sub>d</sub> | λ <sup>*</sup> <sub>d</sub> | i <sub>c</sub> | λ <sup>*</sup> <sub>c</sub> |  |
| R <sub>me</sub> 570_770                                                                              | 64.74 | 66.17  | 72.89  | 98.45                        | 0.1729 | -0.0471 | 47.7            | 38             | 592                         | 15             | 478                         |  |
| Y <sub>me</sub> 510_770                                                                              | 91.34 | -13.52 | 93.72  | 94.69                        | 0.1256 | -0.0485 | 98.2            | 33             | 568                         | 14             | 470                         |  |
| G <sub>me</sub> 470_570                                                                              | 78.94 | -80.39 | 41.49  | 90.46                        | 0.0896 | -0.0703 | 152.6           | 21             | 508                         | 10             | 451                         |  |
| C <sub>m</sub> 380_570                                                                               | 79.97 | -46.82 | -26.35 | 53.73                        | 0.1075 | -0.1059 | 209.3           | 16             | 482                         | 42             | 613                         |  |
| B <sub>me</sub> 380_510                                                                              | 39.8  | 50.12  | -94.73 | 107.17                       | 0.1768 | -0.1771 | 297.8           | 13             | 466                         | 31             | 555                         |  |
| M <sub>m</sub> 570_470                                                                               | 66.16 | 107.36 | -34.74 | 112.84                       | 0.1972 | -0.1133 | 342.0           | 7              | 439                         | 20             | 501                         |  |
| R <sub>o</sub> 570_440                                                                               | 64.97 | 86.45  | 7.77   | 86.8                         | 0.1853 | -0.0874 | 5.1             | -1             | 489c                        | 17             | 489                         |  |
| G <sub>o</sub> 520_570                                                                               | 73.46 | -73.36 | 74.99  | 104.91                       | 0.0909 | -0.0503 | 134.3           | 27             | 536                         | 12             | 462                         |  |
| W <sub>1</sub> 380_770                                                                               | 96.0  | 0.0    | 0.0    | 0.0                          | 0.1319 | -0.0922 | 0.0             | -1             | 462c                        | -1             | 536c                        |  |

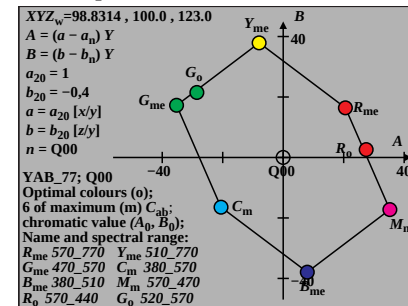
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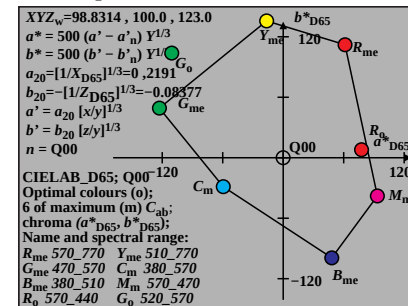
BE711-1 A\_8



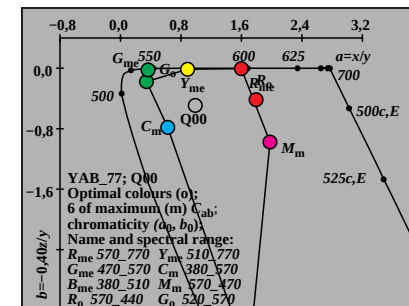
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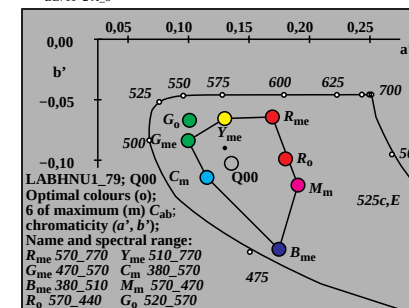
BE711-5 A\_8



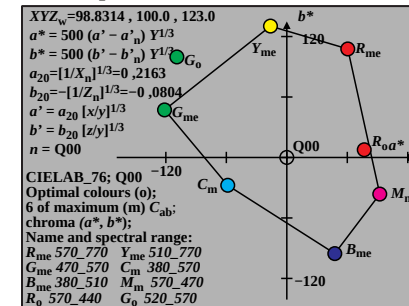
BE711-7 A\_8



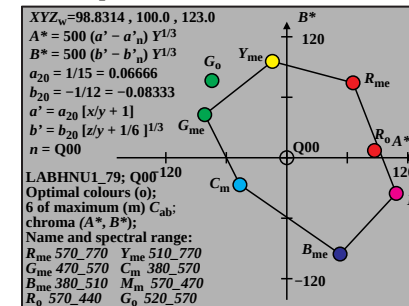
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BE711-4 A\_8



BE711-6 A\_8



BE711-8 A\_8