

| Optimal colours (o) <i>RYGBCM</i> of maximum (m) <i>C</i> <sub>AB</sub> ; D65, <i>Y</i> <sub>me</sub> =520_770, CIEXYZ |          |          |          |          |          |          |                       |                      |                      |                      |                      |      |  |
|------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|----------|----------|----------|-----------------------|----------------------|----------------------|----------------------|----------------------|------|--|
| <i>Code, K=1:25</i>                                                                                                    | <i>X</i> | <i>Y</i> | <i>Z</i> | <i>x</i> | <i>y</i> | <i>z</i> | <i>h<sub>xy</sub></i> | <i>i<sub>d</sub></i> | <i>λ<sub>d</sub></i> | <i>i<sub>c</sub></i> | <i>λ<sub>c</sub></i> |      |  |
| R <sub>o</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>                                                                                                        | 520_770  | 69.06    | 73.84    | 1.43     | 0.4784   | 0.5115   | 0.0099                | 225.1                | 34                   | 570                  | 14                   | 471  |  |
| 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_520  | 16.81    | 16.49    | 96.95    | 0.129    | 0.1266   | 0.7442                | 226.8                | 14                   | 471                  | 34                   | 570  |  |
| M <sub>m</sub>                                                                                                         | 570_470  | 66.73    | 34.85    | 74.39    | 0.3792   | 0.198    | 0.4227                | 246.5                | -1                   | 512c                 | 22                   | 512  |  |
| B <sub>o</sub>                                                                                                         | 380_470  | 14.33    | 2.08     | 74.35    | 0.1578   | 0.023    | 0.819                 | 230.5                | 9                    | 445                  | 32                   | 563  |  |
| C <sub>o</sub>                                                                                                         | 470_520  | 2.82     | 14.76    | 22.97    | 0.0695   | 0.364    | 0.5663                | 222.7                | 17                   | 488                  | 52                   | 661  |  |
| G <sub>o</sub>                                                                                                         | 520_570  | 16.64    | 41.06    | 1.39     | 0.2816   | 0.6947   | 0.0235                | 216.9                | 28                   | 542                  | -1                   | 542c |  |
| W                                                                                                                      | 380_770  | 85.53    | 90.0     | 98.0     | 0.3127   | 0.329    | 0.3582                | 226.4                | -1                   | 538c                 | 27                   | 538  |  |

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| Optimal colours (o) <i>RYGCBM</i> of maximum (m) <i>C</i> <sub>AB</sub> ; D65, <i>Y</i> <sub>me</sub> =520_770, <i>Y</i> <sub>AB</sub> _77 |          |          |          |                        |          |          |                        |                       |                         |                       |                         |      |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|----------|------------------------|----------|----------|------------------------|-----------------------|-------------------------|-----------------------|-------------------------|------|--|
| <i>Code, K=1:25</i>                                                                                                                        | <i>Y</i> | <i>A</i> | <i>B</i> | <i>c</i> <sub>AB</sub> | <i>a</i> | <i>b</i> | <i>h</i> <sub>AB</sub> | <i>i</i> <sub>d</sub> | <i>λ</i> * <sub>d</sub> | <i>i</i> <sub>c</sub> | <i>λ</i> * <sub>c</sub> |      |  |
| R <sub>o</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>                                                                                                                            | 520_770  | 73.84    | -1.12    | 31.59                  | 31.61    | 0.9352   | -0.0077                | 92.0                  | 34                      | 570                   | 14                      | 474  |  |
| G <sub>me</sub>                                                                                                                            | 470_570  | 55.48    | -33.6    | 14.57                  | 36.63    | 0.3447   | -0.1728                | 156.5                 | 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_520  | 16.49    | 1.13     | -31.59                 | 31.61    | 1.0192   | -2.3507                | 272.0                 | 14                      | 471                   | 33                      | 568  |  |
| M <sub>m</sub>                                                                                                                             | 570_470  | 34.85    | 33.6     | -14.57                 | 36.62    | 1.9144   | -0.8536                | 336.5                 | -1                      | 504c                  | 20                      | 504  |  |
| B <sub>o</sub>                                                                                                                             | 380_470  | 2.08     | 12.34    | -28.82                 | 31.36    | 6.863    | -14.2408               | 293.1                 | 9                       | 445                   | 32                      | 560  |  |
| C <sub>o</sub>                                                                                                                             | 470_520  | 14.76    | -11.21   | -2.75                  | 11.54    | 0.191    | -0.6222                | 193.8                 | 17                      | 488                   | -1                      | 488c |  |
| G <sub>o</sub>                                                                                                                             | 520_570  | 41.06    | -22.38   | 17.32                  | 28.3     | 0.4054   | -0.0135                | 142.2                 | 28                      | 542                   | -1                      | 542c |  |
| W                                                                                                                                          | 380_770  | 90.0     | 0.0      | 0.0                    | 0.01     | 0.9504   | -0.4355                | 353.4                 | 38                      | 591                   | 16                      | 484  |  |

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| Optimal colours (o) RYGBCM of maximum (m) C <sub>AB</sub> ; D65, Y <sub>me</sub> =520_770, CIELAB_76 |       |         |         |                  |        |         |                 |                |                 |                |                 |  |
|------------------------------------------------------------------------------------------------------|-------|---------|---------|------------------|--------|---------|-----------------|----------------|-----------------|----------------|-----------------|--|
| Code, K=1:25                                                                                         | 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>o</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> 520_770                                                                              | 88.85 | -2.42   | 133.42  | 133.44           | 0.2143 | -0.0225 | 91.0            | 34             | 570             | 14             | 472             |  |
| G <sub>me</sub> 470_570                                                                              | 79.32 | -117.82 | 43.56   | 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_520                                                                              | 47.63 | 6.46    | -82.7   | 82.95            | 0.2205 | -0.1511 | 274.4           | 14             | 471             | 33             | 568             |  |
| M <sub>m</sub> 570_470                                                                               | 65.64 | 92.5    | -35.38  | 99.04            | 0.2721 | -0.1078 | 339.0           | -1             | 514c            | 22             | 514             |  |
| B <sub>o</sub> 380_470                                                                               | 15.99 | 128.28  | -120.95 | 176.31           | 0.4164 | -0.2756 | 316.6           | 9              | 447             | 27             | 535             |  |
| C <sub>o</sub> 470_520                                                                               | 45.32 | -109.35 | -13.34  | 110.16           | 0.1262 | -0.097  | 186.9           | 17             | 487             | -1             | 487c            |  |
| G <sub>o</sub> 520_570                                                                               | 70.22 | -91.85  | 101.75  | 137.08           | 0.1622 | -0.0271 | 132.0           | 27             | 539             | 11             | 456             |  |
| W 380_770                                                                                            | 96.0  | 0.0     | 0.0     | 0.0              | 0.2154 | -0.0861 | 329.4           | -1             | 524c            | 24             | 524             |  |

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| Optimal colours (o) <i>RYGBCM</i> of maximum (m) <i>C</i> <sub>AB</sub> ; D65, <i>Y</i> <sub>me</sub> =520_770, LABHNU1_79 |           |           |           |                        |           |           |                       |                      |                       |                      |                       |      |  |
|----------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|------------------------|-----------|-----------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|------|--|
| <i>Code, K=1:25</i>                                                                                                        | <i>L*</i> | <i>A*</i> | <i>B*</i> | <i>C*<sub>ab</sub></i> | <i>a'</i> | <i>b'</i> | <i>h<sub>ab</sub></i> | <i>i<sub>d</sub></i> | <i>λ*<sub>d</sub></i> | <i>i<sub>c</sub></i> | <i>λ*<sub>c</sub></i> |      |  |
| R <sub>o</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>                                                                                                            | 520_770   | 88.85     | -2.12     | 88.76                  | 88.78     | 0.129     | -0.0475               | 91.3                 | 34                    | 570                  | 14                    | 472  |  |
| 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_520   | 47.63     | 5.83      | -78.75                 | 78.97     | 0.1346    | -0.1517               | 274.2                | 14                    | 471                  | 33                    | 569  |  |
| M <sub>m</sub>                                                                                                             | 570_470   | 65.64     | 104.96    | -32.83                 | 109.97    | 0.1942    | -0.11                 | 342.6                | 7                     | 438                  | 20                    | 501  |  |
| B <sub>o</sub>                                                                                                             | 380_470   | 15.99     | 251.9     | -117.99                | 278.17    | 0.5242    | -0.2745               | 334.9                | 9                     | 448                  | 21                    | 507  |  |
| C <sub>o</sub>                                                                                                             | 470_520   | 45.32     | -62.09    | -12.25                 | 63.29     | 0.0794    | -0.0998               | 191.1                | 17                    | 488                  | -1                    | 488c |  |
| G <sub>o</sub>                                                                                                             | 520_570   | 70.22     | -62.66    | 70.91                  | 94.63     | 0.0936    | -0.0487               | 131.4                | 28                    | 541                  | 12                    | 463  |  |
| W                                                                                                                          | 380_770   | 96.0      | 0.0       | 0.0                    | 0.0       | 0.13      | -0.0899               | 345.9                | 12                    | 461                  | 27                    | 535  |  |

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