

| X ₁ | Y ₁ | Z ₁ | x | y | A ₁ | B ₁ | Cr ₁ | a | b | c | L* | a* | b* | C*ab | log 1+A ₁ | log 1+B ₁ | log 1+C ₁ | OYL _{CVM_ONW_0} | |
|-----------------------------|----------------|----------------|-------|-------|----------------|----------------|-----------------|-------|--------|-------|-------|--------|--------|-------|----------------------|----------------------|----------------------|--------------------------|--------------------|
| CIE Illuminant E | | | | | | | | | | | | | | | | | | | |
| 0.614 | 0.357 | 0.0 | 0.632 | 0.367 | 0.257 | 0.142 | 0.294 | 0.71 | 0.39 | 0.82 | 66.3 | 70.3 | 113.7 | 133.7 | 0.099 | 0.057 | 0.112 | %O=JR | 00 575_770 |
| 0.831 | 0.867 | 0.015 | 0.485 | 0.505 | -0.035 | 0.34 | 0.342 | -0.04 | 0.39 | 0.39 | 94.6 | -6.6 | 140.9 | 141.1 | -0.015 | 0.127 | 0.127 | %Y=J=JG+JR | 01 515_770 |
| 0.216 | 0.509 | 0.015 | 0.292 | 0.687 | -0.293 | 0.197 | 0.353 | -0.57 | 0.38 | 0.69 | 76.6 | -99.1 | 110.4 | 148.3 | -0.15 | 0.078 | 0.131 | %L=JG | 02 515_575 |
| 0.085 | 0.25 | 0.11 | 0.19 | 0.561 | -0.165 | 0.055 | 0.174 | -0.66 | 0.22 | 0.69 | 57.1 | -95.3 | 30.0 | 99.9 | -0.078 | 0.023 | 0.069 | %Gs | 03 0,35*JG+0,65*BG |
| 0.014 | 0.11 | 0.162 | 0.049 | 0.385 | -0.096 | 0.02 | 0.098 | -0.87 | -0.18 | 0.89 | 39.7 | -119.2 | -13.0 | 119.9 | -0.044 | -0.009 | 0.04 | %Cs=BG | 04 475_515 |
| 0.168 | 0.132 | 0.984 | 0.13 | 0.103 | 0.035 | -0.34 | 0.342 | 0.26 | -2.57 | 2.58 | 43.1 | 21.1 | -96.9 | 99.2 | 0.015 | -0.18 | 0.127 | %V=B=BR+BG | 05 380_515 |
| 0.154 | 0.021 | 0.822 | 0.154 | 0.021 | 0.132 | -0.32 | 0.346 | 6.09 | -14.73 | 15.94 | 16.3 | 128.5 | -131.5 | 183.9 | 0.054 | -0.167 | 0.129 | %Ms=BR | 06 380_475 |
| 0.55 | 0.31 | 0.115 | 0.563 | 0.318 | 0.239 | 0.078 | 0.252 | 0.77 | 0.25 | 0.81 | 62.5 | 71.1 | 38.0 | 80.7 | 0.093 | 0.032 | 0.097 | %Rs | 07 0,14*BR+0,86*JR |
| 0.614 | 0.357 | 0.0 | 0.632 | 0.367 | 0.257 | 0.142 | 0.294 | 0.71 | 0.39 | 0.82 | 66.3 | 70.3 | 113.7 | 133.7 | 0.099 | 0.057 | 0.112 | %O=JR | 08 575_770 |
| 0.001 | 0.001 | 0.001 | 0.332 | 0.332 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 1.0 | 1.0 | 1.0 | 0.333 | 0.333 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Standard Illuminant D65 | | | | | | | | | | | | | | | | | | | |
| 0.548 | 0.323 | 0.0 | 0.628 | 0.37 | 0.241 | 0.14 | 0.279 | 0.74 | 0.43 | 0.86 | 63.6 | 73.0 | 109.1 | 131.3 | 0.093 | 0.057 | 0.106 | %O=JR | 00 575_770 |
| 0.768 | 0.852 | 0.016 | 0.469 | 0.52 | -0.041 | 0.364 | 0.367 | -0.04 | 0.42 | 0.43 | 94.0 | -8.2 | 140.2 | 140.5 | -0.018 | 0.135 | 0.135 | %Y=J=JG+JR | 01 515_770 |
| 0.22 | 0.529 | 0.016 | 0.288 | 0.69 | -0.282 | 0.224 | 0.36 | -0.53 | 0.42 | 0.68 | 77.8 | -97.1 | 112.7 | 148.8 | -0.144 | 0.087 | 0.133 | %L=JG | 02 515_575 |
| 0.087 | 0.264 | 0.125 | 0.183 | 0.554 | -0.163 | 0.065 | 0.176 | -0.61 | 0.24 | 0.66 | 58.5 | -95.0 | 31.2 | 100.0 | -0.077 | 0.027 | 0.07 | %Gs | 03 0,35*JG+0,65*BG |
| 0.016 | 0.122 | 0.183 | 0.05 | 0.379 | -0.1 | -0.02 | 0.102 | -0.81 | -0.16 | 0.83 | 41.5 | -119.5 | -11.2 | 120.0 | -0.045 | -0.008 | 0.042 | %Cs=BG | 04 475_515 |
| 0.181 | 0.147 | 1.072 | 0.129 | 0.105 | 0.041 | -0.364 | 0.367 | 0.28 | -2.47 | 2.49 | 45.2 | 23.9 | -93.3 | 96.4 | 0.017 | -0.197 | 0.135 | %V=B=BR+BG | 05 380_515 |
| 0.165 | 0.024 | 0.888 | 0.153 | 0.023 | 0.141 | -0.344 | 0.372 | 5.7 | -13.87 | 15.0 | 17.8 | 133.2 | -128.5 | 185.1 | 0.057 | -0.183 | 0.137 | %Ms=BR | 06 380_475 |
| 0.494 | 0.281 | 0.124 | 0.549 | 0.312 | 0.227 | 0.072 | 0.238 | 0.8 | 0.25 | 0.84 | 60.0 | 74.5 | 33.9 | 81.8 | 0.088 | 0.03 | 0.092 | %Rs | 07 0,14*BR+0,86*JR |
| 0.548 | 0.323 | 0.0 | 0.628 | 0.37 | 0.241 | 0.14 | 0.279 | 0.74 | 0.43 | 0.86 | 63.6 | 73.0 | 109.1 | 131.3 | 0.093 | 0.057 | 0.106 | %O=JR | 08 575_770 |
| 0.0 | 0.001 | 0.001 | 0.311 | 0.327 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 0.95 | 1.0 | 1.088 | 0.312 | 0.329 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Illuminant D50 | | | | | | | | | | | | | | | | | | | |
| 0.609 | 0.354 | 0.0 | 0.632 | 0.367 | 0.268 | 0.116 | 0.292 | 0.75 | 0.32 | 0.82 | 66.0 | 75.4 | 113.1 | 135.9 | 0.103 | 0.047 | 0.111 | %O=JR | 00 575_770 |
| 0.829 | 0.873 | 0.015 | 0.482 | 0.508 | -0.012 | 0.281 | 0.282 | -0.01 | 0.32 | 0.32 | 94.8 | -2.3 | 137.9 | 137.9 | -0.005 | 0.107 | 0.107 | %Y=J=JG+JR | 01 515_770 |
| 0.22 | 0.519 | 0.015 | 0.291 | 0.688 | -0.28 | 0.165 | 0.325 | -0.54 | 0.31 | 0.62 | 77.2 | -96.2 | 107.9 | 144.6 | -0.143 | 0.066 | 0.122 | %L=JG | 02 515_575 |
| 0.085 | 0.251 | 0.106 | 0.193 | 0.566 | -0.156 | 0.04 | 0.161 | -0.62 | 0.16 | 0.64 | 57.2 | -92.3 | 25.2 | 95.7 | -0.074 | 0.017 | 0.065 | %Gs | 03 0,35*JG+0,65*BG |
| 0.013 | 0.107 | 0.155 | 0.049 | 0.388 | -0.09 | -0.02 | 0.093 | -0.83 | -0.24 | 0.87 | 39.1 | -117.0 | -19.5 | 118.6 | -0.041 | -0.011 | 0.039 | %Cs=BG | 04 475_515 |
| 0.134 | 0.126 | 0.809 | 0.125 | 0.118 | 0.012 | -0.281 | 0.282 | 0.09 | -2.22 | 2.22 | 42.2 | 8.1 | -98.3 | 98.6 | 0.005 | -0.143 | 0.107 | %V=B=BR+BG | 05 380_515 |
| 0.12 | 0.019 | 0.653 | 0.152 | 0.024 | 0.102 | -0.255 | 0.275 | 5.35 | -13.35 | 14.38 | 15.0 | 116.5 | -131.6 | 175.8 | 0.042 | -0.128 | 0.105 | %Ms=BR | 06 380_475 |
| 0.541 | 0.307 | 0.091 | 0.575 | 0.326 | 0.245 | 0.064 | 0.253 | 0.79 | 0.21 | 0.82 | 62.2 | 75.0 | 38.7 | 84.4 | 0.095 | 0.027 | 0.098 | %Rs | 07 0,14*BR+0,86*JR |
| 0.609 | 0.354 | 0.0 | 0.632 | 0.367 | 0.268 | 0.116 | 0.292 | 0.75 | 0.32 | 0.82 | 66.0 | 75.4 | 113.1 | 135.9 | 0.103 | 0.047 | 0.111 | %O=JR | 08 575_770 |
| 0.0 | 0.0 | 0.0 | 0.344 | 0.357 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 0.964 | 1.0 | 0.824 | 0.345 | 0.358 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Standard Illuminant A | | | | | | | | | | | | | | | | | | | |
| 0.835 | 0.467 | 0.0 | 0.64 | 0.358 | 0.321 | 0.066 | 0.328 | 0.68 | 0.14 | 0.7 | 74.0 | 68.2 | 125.5 | 142.9 | 0.121 | 0.027 | 0.123 | %O=JR | 00 575_770 |
| 1.043 | 0.925 | 0.012 | 0.526 | 0.467 | 0.027 | 0.126 | 0.129 | 0.02 | 0.13 | 0.14 | 97.0 | 4.2 | 130.1 | 130.2 | 0.011 | 0.051 | 0.052 | %Y=J=JG+JR | 01 515_770 |
| 0.208 | 0.458 | 0.011 | 0.307 | 0.675 | -0.294 | 0.06 | 0.3 | -0.64 | 0.13 | 0.65 | 73.4 | -97.9 | 90.3 | 133.2 | -0.151 | 0.025 | 0.114 | %L=JG | 02 515_575 |
| 0.077 | 0.203 | 0.059 | 0.228 | 0.597 | -0.145 | 0.005 | 0.145 | -0.71 | 0.02 | 0.71 | 52.2 | -87.2 | 7.5 | 87.5 | -0.068 | 0.002 | 0.059 | %Gs | 03 0,35*JG+0,65*BG |
| 0.007 | 0.066 | 0.085 | 0.045 | 0.418 | -0.065 | 0.024 | 0.07 | -0.99 | -0.37 | 1.05 | 30.9 | -108.0 | -43.1 | 116.3 | -0.029 | -0.01 | 0.029 | %Cs=BG | 04 475_515 |
| 0.054 | 0.074 | 0.343 | 0.115 | 0.157 | -0.027 | -0.126 | 0.129 | 0.36 | -1.7 | 1.74 | 32.7 | -26.3 | -113.6 | 118.6 | -0.011 | -0.058 | 0.052 | %V=B=BR+BG | 05 380_515 |
| 0.047 | 0.008 | 0.258 | 0.151 | 0.025 | 0.038 | -0.102 | 0.109 | 4.81 | -12.75 | 13.63 | 7.2 | 75.2 | -139.7 | 156.7 | 0.016 | -0.046 | 0.045 | %Ms=BR | 06 380_475 |
| 0.724 | 0.403 | 0.036 | 0.622 | 0.346 | 0.281 | 0.042 | 0.285 | 0.69 | 0.1 | 0.7 | 69.7 | 65.9 | 54.0 | 85.2 | 0.107 | 0.018 | 0.108 | %Rs | 07 0,14*BR+0,86*JR |
| 0.835 | 0.467 | 0.0 | 0.64 | 0.358 | 0.321 | 0.066 | 0.328 | 0.68 | 0.14 | 0.7 | 74.0 | 68.2 | 125.5 | 142.9 | 0.121 | 0.027 | 0.123 | %O=JR | 08 575_770 |
| 0.001 | 0.0 | 0.0 | 0.445 | 0.405 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 1.098 | 0.999 | 0.355 | 0.447 | 0.407 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |

$$A = [(X/X_n) - (Y/Y_n)]Y = [a - a_n]Y \quad B = -0,4[(Z/Z_n) - (Y/Y_n)]Y = -0,4[b - b_n]Y \quad a = X/Y = x/y \quad b = -0,4 Z/Y = -0,4 z/y \quad (X, Y, Z \geq 0,89)$$

$$a^* = 500 [(X/X_n)^{1/3} - (Y/Y_n)^{1/3}] \quad b^* = 200 [(Y/Y_n)^{1/3} - (Z/Z_n)^{1/3}] \quad a' = (1/X_n)^{1/3} (x/y)^{1/3} \quad b' = -0,4 (1/Z_n)^{1/3} (z/y)^{1/3}$$

$$= 500 (a' - a'_n) Y^{1/3} \quad = 500 (b' - b'_n) Y^{1/3} \quad = 0,2191 (x/y)^{1/3} \quad = -0,08376 (z/y)^{1/3} \quad \text{CIELAB for } n=D65$$

TUB registration: 20100301-JE68/JE68LONP.PDF /.PS application for evaluation and measurement of printer or monitor systems TUB material: code=rh4ta

| X ₁ | Y ₁ | Z ₁ | x | y | A ₁ | B ₁ | Cr ₁ | a | b | c | L* | a* | b* | C*ab | log 1+A ₁ | log 1+B ₁ | log 1+C ₁ | OYL _{CVM_ONW_1} | |
|-----------------------------|----------------|----------------|-------|-------|----------------|----------------|-----------------|-------|-------|------|-------|-------|--------|-------|----------------------|----------------------|----------------------|--------------------------|--------------------|
| CIE Illuminant E | | | | | | | | | | | | | | | | | | | |
| 0.614 | 0.357 | 0.0 | 0.632 | 0.367 | 0.257 | 0.142 | 0.294 | 0.71 | 0.39 | 0.82 | 66.3 | 70.3 | 113.7 | 133.7 | 0.099 | 0.057 | 0.112 | %O=JR | 00 575_770 |
| 0.831 | 0.867 | 0.015 | 0.485 | 0.505 | -0.035 | 0.34 | 0.342 | -0.04 | 0.39 | 0.39 | 94.6 | -6.6 | 140.9 | 141.1 | -0.015 | 0.127 | 0.127 | %Y=J=JG+JR | 01 515_770 |
| 0.216 | 0.509 | 0.015 | 0.292 | 0.687 | -0.293 | 0.197 | 0.353 | -0.57 | 0.38 | 0.69 | 76.6 | -99.1 | 110.4 | 148.3 | -0.15 | 0.078 | 0.131 | %L=JG | 02 515_575 |
| 0.267 | 0.549 | 0.31 | 0.237 | 0.487 | -0.282 | 0.095 | 0.298 | -0.51 | 0.17 | 0.54 | 79.0 | -87.5 | 28.4 | 92.0 | -0.144 | 0.039 | 0.113 | %G | 03 0,70*L+0,30*C |
| 0.385 | 0.642 | 0.999 | 0.189 | 0.316 | -0.257 | 0.142 | 0.294 | -0.4 | -0.22 | 0.45 | 84.0 | -67.6 | -27.3 | 73.0 | -0.129 | -0.066 | 0.112 | %C=L+V | 04 380_575 |
| 0.168 | 0.132 | 0.984 | 0.13 | 0.103 | 0.035 | -0.34 | 0.342 | 0.26 | -2.57 | 2.58 | 43.1 | 21.1 | -96.9 | 99.2 | 0.015 | -0.18 | 0.127 | %V=B=BR+BG | 05 380_515 |
| 0.783 | 0.49 | 0.984 | 0.346 | 0.217 | 0.293 | -0.197 | 0.353 | 0.59 | -0.4 | 0.72 | 75.4 | 66.6 | -41.3 | 78.4 | 0.111 | -0.095 | 0.131 | %M=V+O | 06 380_515+575_770 |
| 0.645 | 0.381 | 0.177 | 0.535 | 0.316 | 0.263 | 0.081 | 0.276 | 0.69 | 0.21 | 0.72 | 68.1 | 69.4 | 32.6 | 76.7 | 0.101 | 0.034 | 0.105 | %R | 07 0,18*M+0,82*O |
| 0.614 | 0.357 | 0.0 | 0.632 | 0.367 | 0.257 | 0.142 | 0.294 | 0.71 | 0.39 | 0.82 | 66.3 | 70.3 | 113.7 | 133.7 | 0.099 | 0.057 | 0.112 | %O=JR | 08 575_770 |
| 0.001 | 0.001 | 0.001 | 0.332 | 0.332 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 1.0 | 1.0 | 1.0 | 0.333 | 0.333 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Standard Illuminant D65 | | | | | | | | | | | | | | | | | | | |
| 0.548 | 0.323 | 0.0 | 0.628 | 0.37 | 0.241 | 0.14 | 0.279 | 0.74 | 0.43 | 0.86 | 63.6 | 73.0 | 109.1 | 131.3 | 0.093 | 0.057 | 0.106 | %O=JR | 00 575_770 |
| 0.768 | 0.852 | 0.016 | 0.469 | 0.52 | -0.041 | 0.364 | 0.367 | -0.04 | 0.42 | 0.43 | 94.0 | -8.2 | 140.2 | 140.5 | -0.018 | 0.135 | 0.135 | %Y=J=JG+JR | 01 515_770 |
| 0.22 | 0.529 | 0.016 | 0.288 | 0.69 | -0.282 | 0.224 | 0.36 | -0.53 | 0.42 | 0.68 | 77.8 | -97.1 | 112.7 | 148.8 | -0.144 | 0.087 | 0.133 | %L=JG | 02 515_575 |
| 0.275 | 0.573 | 0.337 | 0.231 | 0.483 | -0.27 | 0.114 | 0.293 | -0.47 | 0.2 | 0.51 | 80.3 | -84.6 | 30.8 | 90.1 | -0.136 | 0.047 | 0.111 | %G | 03 0,70*L+0,30*C |
| 0.402 | 0.676 | 1.088 | 0.185 | 0.312 | -0.241 | 0.14 | 0.279 | -0.35 | -0.2 | 0.41 | 85.8 | -63.5 | -24.3 | 68.1 | -0.119 | -0.065 | 0.106 | %C=L+V | 04 380_575 |
| 0.181 | 0.147 | 1.072 | 0.129 | 0.105 | 0.041 | -0.364 | 0.367 | 0.28 | -2.47 | 2.49 | 45.2 | 23.9 | -93.3 | 96.4 | 0.017 | -0.197 | 0.135 | %V=B=BR+BG | 05 380_515 |
| 0.729 | 0.47 | 1.072 | 0.321 | 0.206 | 0.282 | -0.224 | 0.36 | 0.6 | -0.47 | 0.76 | 74.2 | 68.9 | -43.4 | 81.5 | 0.108 | -0.11 | 0.133 | %M=V+O | 06 380_515+575_770 |
| 0.58 | 0.349 | 0.193 | 0.516 | 0.311 | 0.248 | 0.074 | 0.259 | 0.71 | 0.21 | 0.74 | 65.7 | 72.0 | 28.4 | 77.4 | 0.096 | 0.031 | 0.1 | %R | 07 0,18*M+0,82*O |
| 0.548 | 0.323 | 0.0 | 0.628 | 0.37 | 0.241 | 0.14 | 0.279 | 0.74 | 0.43 | 0.86 | 63.6 | 73.0 | 109.1 | 131.3 | 0.093 | 0.057 | 0.106 | %O=JR | 08 575_770 |
| 0.0 | 0.001 | 0.001 | 0.311 | 0.327 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 0.95 | 1.0 | 1.088 | 0.312 | 0.329 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Illuminant D50 | | | | | | | | | | | | | | | | | | | |
| 0.609 | 0.354 | 0.0 | 0.632 | 0.367 | 0.268 | 0.116 | 0.292 | 0.75 | 0.32 | 0.82 | 66.0 | 75.4 | 113.1 | 135.9 | 0.103 | 0.047 | 0.111 | %O=JR | 00 575_770 |
| 0.829 | 0.873 | 0.015 | 0.482 | 0.508 | -0.012 | 0.281 | 0.282 | -0.01 | 0.32 | 0.32 | 94.8 | -2.3 | 137.9 | 137.9 | -0.005 | 0.107 | 0.107 | %Y=J=JG+JR | 01 515_770 |
| 0.22 | 0.519 | 0.015 | 0.291 | 0.688 | -0.28 | 0.165 | 0.325 | -0.54 | 0.31 | 0.62 | 77.2 | -96.2 | 107.9 | 144.6 | -0.143 | 0.066 | 0.122 | %L=JG | 02 515_575 |
| 0.26 | 0.557 | 0.257 | 0.242 | 0.518 | -0.276 | 0.08 | 0.288 | -0.49 | 0.14 | 0.51 | 79.4 | -88.2 | 28.8 | 92.8 | -0.14 | 0.033 | 0.11 | %G | 03 0,70*L+0,30*C |
| 0.354 | 0.645 | 0.824 | 0.194 | 0.353 | -0.268 | 0.116 | 0.292 | -0.41 | -0.18 | 0.45 | 84.2 | -73.9 | -27.0 | 78.7 | -0.135 | -0.053 | 0.111 | %C=L+V | 04 380_575 |
| 0.134 | 0.126 | 0.809 | 0.125 | 0.118 | 0.012 | -0.281 | 0.282 | 0.09 | -2.22 | 2.22 | 42.2 | 8.1 | -98.3 | 98.6 | 0.005 | -0.143 | 0.107 | %V=B=BR+BG | 05 380_515 |
| 0.744 | 0.48 | 0.809 | 0.365 | 0.236 | 0.28 | -0.165 | 0.325 | 0.58 | -0.34 | 0.67 | 74.8 | 66.9 | -42.1 | 79.0 | 0.107 | -0.078 | 0.122 | %M=V+O | 06 380_515+575_770 |
| 0.633 | 0.376 | 0.146 | 0.547 | 0.325 | 0.27 | 0.065 | 0.278 | 0.71 | 0.17 | 0.73 | 67.7 | 73.5 | 32.1 | 80.3 | 0.103 | 0.027 | 0.106 | %R | 07 0,18*M+0,82*O |
| 0.609 | 0.354 | 0.0 | 0.632 | 0.367 | 0.268 | 0.116 | 0.292 | 0.75 | 0.32 | 0.82 | 66.0 | 75.4 | 113.1 | 135.9 | 0.103 | 0.047 | 0.111 | %O=JR | 08 575_770 |
| 0.0 | 0.0 | 0.0 | 0.344 | 0.357 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 0.964 | 1.0 | 0.824 | 0.345 | 0.358 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |
| CIE Standard Illuminant A | | | | | | | | | | | | | | | | | | | |
| 0.835 | 0.467 | 0.0 | 0.64 | 0.358 | 0.321 | 0.066 | 0.328 | 0.68 | 0.14 | 0.7 | 74.0 | 68.2 | 125.5 | 142.9 | 0.121 | 0.027 | 0.123 | %O=JR | 00 575_770 |
| 1.043 | 0.925 | 0.012 | 0.526 | 0.467 | 0.027 | 0.126 | 0.129 | 0.02 | 0.13 | 0.14 | 97.0 | 4.2 | 130.1 | 130.2 | 0.011 | 0.051 | 0.052 | %Y=J=JG+JR | 01 515_770 |
| 0.208 | 0.458 | 0.011 | 0.307 | 0.675 | -0.294 | 0.06 | 0.3 | -0.64 | 0.13 | 0.65 | 73.4 | -97.9 | 90.3 | 133.2 | -0.151 | 0.025 | 0.114 | %L=JG | 02 515_575 |
| 0.225 | 0.48 | 0.114 | 0.274 | 0.585 | -0.302 | 0.022 | 0.303 | -0.62 | 0.04 | 0.63 | 74.8 | -96.7 | 19.5 | 98.7 | -0.156 | 0.009 | 0.115 | %G | 03 0,70*L+0,30*C |
| 0.263 | 0.532 | 0.355 | 0.228 | 0.462 | -0.321 | -0.066 | 0.328 | -0.6 | -0.12 | 0.61 | 78.0 | -94.6 | -37.8 | 101.9 | -0.168 | -0.029 | 0.123 | %C=L+V | 04 380_575 |
| 0.054 | 0.074 | 0.343 | 0.115 | 0.157 | -0.027 | -0.126 | 0.129 | -0.36 | -1.7 | 1.74 | 32.7 | -26.3 | -113.6 | 116.6 | -0.011 | -0.058 | 0.052 | %V=B=BR+BG | 05 380_515 |
| 0.889 | 0.541 | 0.344 | 0.501 | 0.305 | 0.294 | -0.06 | 0.3 | 0.54 | -0.11 | 0.55 | 78.5 | 58.4 | -34.7 | 67.9 | 0.112 | -0.027 | 0.114 | %M=V+O | 06 380_515+575_770 |
| 0.844 | 0.48 | 0.062 | 0.608 | 0.346 | 0.316 | 0.043 | 0.319 | 0.65 | 0.09 | 0.66 | 74.8 | 66.3 | 44.7 | 80.0 | 0.119 | 0.018 | 0.12 | %R | 07 0,18*M+0,82*O |
| 0.835 | 0.467 | 0.0 | 0.64 | 0.358 | 0.321 | 0.066 | 0.328 | 0.68 | 0.14 | 0.7 | 74.0 | 68.2 | 125.5 | 142.9 | 0.121 | 0.027 | 0.123 | %O=JR | 08 575_770 |
| 0.001 | 0.0 | 0.0 | 0.445 | 0.405 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %N0(β=0,001) | 09 380_770 |
| 1.098 | 0.999 | 0.355 | 0.447 | 0.407 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | %W1(β=1,000) | 10 380_770 |

$$A = [(X/X_n) - (Y/Y_n)]Y = [a - a_n]Y \quad B = -0,4[(Z/Z_n) - (Y/Y_n)]Y = -0,4[b - b_n]Y \quad a = X/Y = x/y \quad b = -0,4 Z/Y = -0,4 z/y \quad (X, Y, Z \geq 0,89)$$

$$a^* = 500 [(X/X_n)^{1/3} - (Y/Y_n)^{1/3}] \quad b^* = 200 [(Y/Y_n)^{1/3} - (Z/Z_n)^{1/3}] \quad a' = (1/X_n)^{1/3} (x/y)^{1/3} \quad b' = -0,4 (1/Z_n)^{1/3} (z/y)^{1/3}$$

$$= 500 (a' - a'_n) Y^{1/3} \quad = 500 (b' - b'_n) Y^{1/3} \quad = 0,2191 (x/y)^{1/3} \quad = -0,08376 (z/y)^{1/3} \quad \text{CIELAB for } n=D65$$

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