

Interpretation *rgb* -> *rgb\** and CIELAB data of a 48 step elementary hue circle

for a sRGB standard display with the luminance reflection  $L_r=5\%$  compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*:  $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$ , and *C' M'* = 217.0, 328.6

Comparison with six device hues *OYLCVM*:  $h_{ab,a} = 31.9, 103.7, 137.6, 196.6, 302.8, 327.9$

9 step equidistant grey scale:  $L^* = 26.8, 35.4, 44.0, 52.6, 61.1, 69.7, 78.3, 86.8, 95.4$

| <i>u*</i> <sub>Ma</sub> | <i>h</i> <sub>rgb</sub> | <i>L*</i> <sub>Ma</sub> | <i>a*</i> <sub>Ma</sub> | <i>b*</i> <sub>Ma</sub> | <i>C*</i> <sub>ab, Ma</sub> | <i>h</i> <sub>Ma</sub> | <i>rgb</i> -> <i>rgb*</i> <sub>Ma</sub> |       |       | <i>u*</i> <sub>Ma</sub> | <i>h</i> <sub>rgb</sub> | <i>L*</i> <sub>Ma</sub> | <i>a*</i> <sub>Ma</sub> | <i>b*</i> <sub>Ma</sub> | <i>C*</i> <sub>ab, Ma</sub> | <i>h</i> <sub>Ma</sub> | <i>rgb</i> -> <i>rgb*</i> <sub>Ma</sub> |       |       |
|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|------------------------|-----------------------------------------|-------|-------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------------|------------------------|-----------------------------------------|-------|-------|
| r00j                    | 30.0                    | 55.1                    | 67.6                    | 32.2                    | 74.9                        | 25.5                   | 1.000                                   | 0.000 | 0.000 | g50b                    | 210.0                   | 80.2                    | -31.1                   | -23.5                   | 39.1                        | 217.0                  | 0.000                                   | 1.000 | 1.000 |
| r12j                    | 36.6                    | 55.9                    | 63.9                    | 42.9                    | 77.0                        | 33.8                   | 1.000                                   | 0.125 | 0.000 | g56b                    | 216.6                   | 78.2                    | -27.7                   | -26.6                   | 38.5                        | 223.8                  | 0.000                                   | 0.875 | 1.000 |
| r25j                    | 43.9                    | 60.2                    | 52.4                    | 47.5                    | 70.8                        | 42.2                   | 1.000                                   | 0.250 | 0.000 | g62b                    | 223.9                   | 76.2                    | -24.3                   | -29.6                   | 38.4                        | 230.7                  | 0.000                                   | 0.750 | 1.000 |
| r37j                    | 51.8                    | 64.1                    | 42.5                    | 51.7                    | 66.9                        | 50.5                   | 1.000                                   | 0.375 | 0.000 | g68b                    | 231.8                   | 74.2                    | -20.7                   | -32.7                   | 38.9                        | 237.5                  | 0.000                                   | 0.625 | 1.000 |
| r50j                    | 60.0                    | 67.8                    | 33.5                    | 55.5                    | 64.8                        | 58.9                   | 1.000                                   | 0.500 | 0.000 | g75b                    | 240.0                   | 72.2                    | -17.1                   | -35.8                   | 39.9                        | 244.4                  | 0.000                                   | 0.500 | 1.000 |
| r62j                    | 68.2                    | 71.4                    | 24.8                    | 59.2                    | 64.2                        | 67.2                   | 1.000                                   | 0.625 | 0.000 | g81b                    | 248.2                   | 70.1                    | -13.2                   | -39.1                   | 41.4                        | 251.2                  | 0.000                                   | 0.375 | 1.000 |
| r74j                    | 76.1                    | 75.3                    | 16.2                    | 63.0                    | 65.1                        | 75.6                   | 1.000                                   | 0.750 | 0.000 | g87b                    | 256.1                   | 67.9                    | -9.0                    | -42.6                   | 43.6                        | 258.0                  | 0.000                                   | 0.250 | 1.000 |
| r87j                    | 83.4                    | 79.4                    | 7.1                     | 67.1                    | 67.5                        | 84.0                   | 1.000                                   | 0.875 | 0.000 | g93b                    | 263.4                   | 65.4                    | -4.1                    | -46.5                   | 46.8                        | 264.9                  | 0.000                                   | 0.125 | 1.000 |
| j00g                    | 90.0                    | 84.3                    | -2.8                    | 71.8                    | 71.9                        | 92.3                   | 1.000                                   | 1.000 | 0.000 | b00r                    | 270.0                   | 62.5                    | 1.5                     | -51.0                   | 51.2                        | 271.7                  | 0.000                                   | 0.000 | 1.000 |
| j12g                    | 96.6                    | 90.6                    | -15.1                   | 77.7                    | 79.2                        | 101.1                  | 0.875                                   | 1.000 | 0.000 | b06r                    | 276.6                   | 59.1                    | 8.8                     | -56.4                   | 57.2                        | 278.8                  | 0.125                                   | 0.000 | 1.000 |
| j25g                    | 103.9                   | 91.3                    | -27.9                   | 77.8                    | 82.7                        | 109.8                  | 0.750                                   | 1.000 | 0.000 | b12r                    | 283.9                   | 54.9                    | 18.1                    | -63.2                   | 65.8                        | 286.0                  | 0.250                                   | 0.000 | 1.000 |
| j37g                    | 111.8                   | 89.1                    | -40.6                   | 75.0                    | 85.4                        | 118.5                  | 0.625                                   | 1.000 | 0.000 | b18r                    | 291.8                   | 49.6                    | 30.6                    | -71.8                   | 78.1                        | 293.1                  | 0.375                                   | 0.000 | 1.000 |
| j50g                    | 120.0                   | 87.0                    | -54.9                   | 72.2                    | 90.8                        | 127.3                  | 0.500                                   | 1.000 | 0.000 | b24r                    | 300.0                   | 42.8                    | 48.2                    | -82.9                   | 96.0                        | 300.2                  | 0.500                                   | 0.000 | 1.000 |
| j62g                    | 128.2                   | 84.8                    | -71.7                   | 69.3                    | 99.8                        | 136.0                  | 0.375                                   | 1.000 | 0.000 | b31r                    | 308.2                   | 43.5                    | 62.1                    | -81.5                   | 102.5                       | 307.3                  | 0.625                                   | 0.000 | 1.000 |
| j74g                    | 136.1                   | 84.8                    | -70.3                   | 49.8                    | 86.3                        | 144.7                  | 0.250                                   | 1.000 | 0.000 | b37r                    | 316.1                   | 49.5                    | 70.1                    | -71.6                   | 100.3                       | 314.4                  | 0.750                                   | 0.000 | 1.000 |
| j87g                    | 143.4                   | 85.3                    | -64.3                   | 32.1                    | 71.9                        | 153.5                  | 0.125                                   | 1.000 | 0.000 | b43r                    | 323.4                   | 55.3                    | 77.8                    | -61.8                   | 99.4                        | 321.5                  | 0.875                                   | 0.000 | 1.000 |
| g00b                    | 150.0                   | 85.8                    | -58.8                   | 18.9                    | 61.9                        | 162.2                  | 0.000                                   | 1.000 | 0.000 | b50r                    | 330.0                   | 60.5                    | 84.1                    | -51.2                   | 98.5                        | 328.6                  | 1.000                                   | 0.000 | 1.000 |
| g06b                    | 156.6                   | 86.2                    | -55.0                   | 10.7                    | 56.1                        | 169.1                  | 0.000                                   | 1.000 | 0.125 | b56r                    | 336.6                   | 58.9                    | 79.6                    | -35.8                   | 87.3                        | 335.7                  | 1.000                                   | 0.000 | 0.875 |
| g12b                    | 163.9                   | 86.5                    | -51.6                   | 3.7                     | 51.8                        | 175.9                  | 0.000                                   | 1.000 | 0.250 | b62r                    | 343.9                   | 57.9                    | 76.4                    | -23.5                   | 80.0                        | 342.8                  | 1.000                                   | 0.000 | 0.750 |
| g18b                    | 171.8                   | 86.8                    | -48.4                   | -2.3                    | 48.5                        | 182.8                  | 0.000                                   | 1.000 | 0.375 | b68r                    | 351.8                   | 57.1                    | 74.2                    | -13.1                   | 75.3                        | 349.9                  | 1.000                                   | 0.000 | 0.625 |
| g25b                    | 180.0                   | 87.1                    | -45.4                   | -7.6                    | 46.2                        | 189.6                  | 0.000                                   | 1.000 | 0.500 | b75r                    | 0.0                     | 56.6                    | 72.4                    | -3.7                    | 72.5                        | 357.0                  | 1.000                                   | 0.000 | 0.500 |
| g31b                    | 188.2                   | 87.4                    | -42.7                   | -12.6                   | 44.6                        | 196.4                  | 0.000                                   | 1.000 | 0.625 | b81r                    | 8.2                     | 55.6                    | 69.2                    | 17.2                    | 71.3                        | 4.2                    | 1.000                                   | 0.000 | 0.375 |
| g37b                    | 196.1                   | 84.8                    | -38.5                   | -16.6                   | 42.0                        | 203.3                  | 0.000                                   | 1.000 | 0.750 | b87r                    | 16.1                    | 55.6                    | 69.2                    | 17.2                    | 71.3                        | 11.3                   | 1.000                                   | 0.000 | 0.250 |
| g43b                    | 203.4                   | 82.5                    | -34.8                   | -20.1                   | 40.3                        | 210.1                  | 0.000                                   | 1.000 | 0.875 | b93r                    | 23.4                    | 55.2                    | 67.9                    | 29.1                    | 73.9                        | 18.4                   | 1.000                                   | 0.000 | 0.125 |