

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis für LCD-display (wenig Glanz) mit der Leuchtlicht-Reflexion L<sub>r</sub>=5% verglichen mit der weissen Referenz (100%)**  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>r</sub>CV<sub>r</sub>M**: h<sub>ab,a</sub> = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4  
**Vergleich mit vier Elementar-Bunttönen R<sub>r</sub>J<sub>r</sub>G<sub>r</sub>**: h<sub>ab,a</sub> = 25.5, 92.3, 162.2, 271.7, und C<sub>r</sub>M<sub>r</sub> = 217.0, 328.6  
**9-stufige gleichabständige Graureihe**: L\* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4

| d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma | d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma |
|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|
| o00y=O            | 30.0               | 1.0                               | 0.001 | 0.0                             | 0.01                        | 34.6              | 1.000              | 0.000                             | 0.000 | 0.000                           | 0.000                       |
| o12y              | 36.6               | 1.0                               | 0.126 | 0.0                             | 0.01                        | 37.1              | 1.000              | 0.125                             | 0.000 | 0.000                           | 0.000                       |
| o25y              | 43.9               | 1.0                               | 0.251 | 0.0                             | 0.01                        | 43.8              | 1.000              | 0.250                             | 0.000 | 0.000                           | 0.000                       |
| o37y              | 51.8               | 1.0                               | 0.376 | 0.0                             | 0.01                        | 52.1              | 1.000              | 0.375                             | 0.000 | 0.000                           | 0.000                       |
| o50y              | 60.0               | 1.0                               | 0.501 | 0.0                             | 0.01                        | 61.6              | 1.000              | 0.500                             | 0.000 | 0.000                           | 0.000                       |
| o62y              | 68.2               | 1.0                               | 0.626 | 0.0                             | 0.01                        | 71.4              | 1.000              | 0.625                             | 0.000 | 0.000                           | 0.000                       |
| o75y              | 76.1               | 1.0                               | 0.751 | 0.0                             | 0.01                        | 81.7              | 1.000              | 0.750                             | 0.000 | 0.000                           | 0.000                       |
| o87y              | 83.4               | 1.0                               | 0.876 | 0.0                             | 0.01                        | 91.7              | 1.000              | 0.875                             | 0.000 | 0.000                           | 0.000                       |
| y00l=Y            | 90.0               | 0.999                             | 1.0   | 0.0                             | 0.01                        | 102.4             | 1.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y12l              | 96.6               | 0.874                             | 1.0   | 0.0                             | 0.01                        | 111.1             | 0.875              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y25l              | 103.9              | 0.749                             | 1.0   | 0.0                             | 0.01                        | 116.9             | 0.750              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y37l              | 111.8              | 0.624                             | 1.0   | 0.0                             | 0.01                        | 121.7             | 0.625              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y50l              | 120.0              | 0.499                             | 1.0   | 0.0                             | 0.01                        | 125.5             | 0.500              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y62l              | 128.2              | 0.374                             | 1.0   | 0.0                             | 0.01                        | 128.7             | 0.375              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y75l              | 136.1              | 0.249                             | 1.0   | 0.0                             | 0.01                        | 131.0             | 0.250              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y87l              | 143.4              | 0.124                             | 1.0   | 0.0                             | 0.01                        | 132.9             | 0.125              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 100c=L            | 150.0              | 0.0                               | 1.0   | 0.001                           | 0.01                        | 133.6             | 0.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 112c              | 156.6              | 0.0                               | 1.0   | 0.126                           | 0.01                        | 135.4             | 0.000              | 1.000                             | 0.125 | 0.000                           | 0.000                       |
| 125c              | 163.9              | 0.0                               | 1.0   | 0.251                           | 0.01                        | 139.3             | 0.000              | 1.000                             | 0.250 | 0.000                           | 0.000                       |
| 137c              | 171.8              | 0.0                               | 1.0   | 0.376                           | 0.01                        | 143.5             | 0.000              | 1.000                             | 0.375 | 0.000                           | 0.000                       |
| 150c              | 180.0              | 0.0                               | 1.0   | 0.501                           | 0.01                        | 148.3             | 0.000              | 1.000                             | 0.500 | 0.000                           | 0.000                       |
| 162c              | 188.2              | 0.0                               | 1.0   | 0.626                           | 0.01                        | 153.7             | 0.000              | 1.000                             | 0.625 | 0.000                           | 0.000                       |
| 175c              | 196.1              | 0.0                               | 1.0   | 0.751                           | 0.01                        | 160.5             | 0.000              | 1.000                             | 0.750 | 0.000                           | 0.000                       |
| 187c              | 203.4              | 0.0                               | 1.0   | 0.876                           | 0.01                        | 170.1             | 0.000              | 1.000                             | 0.875 | 0.000                           | 0.000                       |

LG070-3X, 2

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis für LCD-display (wenig Glanz) mit der Leuchtlicht-Reflexion L<sub>r</sub>=20% verglichen mit der weissen Referenz (100%)**  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>r</sub>CV<sub>r</sub>M**: h<sub>ab,a</sub> = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4  
**Vergleich mit vier Elementar-Bunttönen R<sub>r</sub>J<sub>r</sub>G<sub>r</sub>**: h<sub>ab,a</sub> = 25.5, 92.3, 162.2, 271.7, und C<sub>r</sub>M<sub>r</sub> = 217.0, 328.6  
**9-stufige gleichabständige Graureihe**: L\* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4

| d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma | d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma |
|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|
| o00y=O            | 30.0               | 1.0                               | 0.001 | 0.0                             | 0.01                        | 26.5              | 1.000              | 0.000                             | 0.000 | 0.000                           | 0.000                       |
| o12y              | 36.6               | 1.0                               | 0.126 | 0.0                             | 0.01                        | 28.9              | 1.000              | 0.125                             | 0.000 | 0.000                           | 0.000                       |
| o25y              | 43.9               | 1.0                               | 0.251 | 0.0                             | 0.01                        | 35.5              | 1.000              | 0.250                             | 0.000 | 0.000                           | 0.000                       |
| o37y              | 51.8               | 1.0                               | 0.376 | 0.0                             | 0.01                        | 44.2              | 1.000              | 0.375                             | 0.000 | 0.000                           | 0.000                       |
| o50y              | 60.0               | 1.0                               | 0.501 | 0.0                             | 0.01                        | 55.1              | 1.000              | 0.500                             | 0.000 | 0.000                           | 0.000                       |
| o62y              | 68.2               | 1.0                               | 0.626 | 0.0                             | 0.01                        | 67.0              | 1.000              | 0.625                             | 0.000 | 0.000                           | 0.000                       |
| o75y              | 76.1               | 1.0                               | 0.751 | 0.0                             | 0.01                        | 79.7              | 1.000              | 0.750                             | 0.000 | 0.000                           | 0.000                       |
| o87y              | 83.4               | 1.0                               | 0.876 | 0.0                             | 0.01                        | 92.1              | 1.000              | 0.875                             | 0.000 | 0.000                           | 0.000                       |
| y00l=Y            | 90.0               | 0.999                             | 1.0   | 0.0                             | 0.01                        | 104.6             | 1.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y12l              | 96.6               | 0.874                             | 1.0   | 0.0                             | 0.01                        | 114.4             | 0.875              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y25l              | 103.9              | 0.749                             | 1.0   | 0.0                             | 0.01                        | 120.8             | 0.750              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y37l              | 111.8              | 0.624                             | 1.0   | 0.0                             | 0.01                        | 125.8             | 0.625              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y50l              | 120.0              | 0.499                             | 1.0   | 0.0                             | 0.01                        | 129.6             | 0.500              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y62l              | 128.2              | 0.374                             | 1.0   | 0.0                             | 0.01                        | 132.8             | 0.375              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y75l              | 136.1              | 0.249                             | 1.0   | 0.0                             | 0.01                        | 135.0             | 0.250              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y87l              | 143.4              | 0.124                             | 1.0   | 0.0                             | 0.01                        | 136.8             | 0.125              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 100c=L            | 150.0              | 0.0                               | 1.0   | 0.001                           | 0.01                        | 137.5             | 0.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 112c              | 156.6              | 0.0                               | 1.0   | 0.126                           | 0.01                        | 138.7             | 0.000              | 1.000                             | 0.125 | 0.000                           | 0.000                       |
| 125c              | 163.9              | 0.0                               | 1.0   | 0.251                           | 0.01                        | 141.5             | 0.000              | 1.000                             | 0.250 | 0.000                           | 0.000                       |
| 137c              | 171.8              | 0.0                               | 1.0   | 0.376                           | 0.01                        | 144.9             | 0.000              | 1.000                             | 0.375 | 0.000                           | 0.000                       |
| 150c              | 180.0              | 0.0                               | 1.0   | 0.501                           | 0.01                        | 149.0             | 0.000              | 1.000                             | 0.500 | 0.000                           | 0.000                       |
| 162c              | 188.2              | 0.0                               | 1.0   | 0.626                           | 0.01                        | 154.0             | 0.000              | 1.000                             | 0.625 | 0.000                           | 0.000                       |
| 175c              | 196.1              | 0.0                               | 1.0   | 0.751                           | 0.01                        | 160.4             | 0.000              | 1.000                             | 0.750 | 0.000                           | 0.000                       |
| 187c              | 203.4              | 0.0                               | 1.0   | 0.876                           | 0.01                        | 169.9             | 0.000              | 1.000                             | 0.875 | 0.000                           | 0.000                       |

LG071-3X, 2

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis für LCD-display (wenig Glanz) mit der Leuchtlicht-Reflexion L<sub>r</sub>=10% verglichen mit der weissen Referenz (100%)**  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>r</sub>CV<sub>r</sub>M**: h<sub>ab,a</sub> = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0  
**Vergleich mit vier Elementar-Bunttönen R<sub>r</sub>J<sub>r</sub>G<sub>r</sub>**: h<sub>ab,a</sub> = 25.5, 92.3, 162.2, 271.7, und C<sub>r</sub>M<sub>r</sub> = 217.0, 328.6  
**9-stufige gleichabständige Graureihe**: L\* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4

| d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma | d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma |
|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|
| o00y=O            | 30.0               | 1.0                               | 0.001 | 0.0                             | 0.01                        | 30.5              | 1.000              | 0.000                             | 0.000 | 0.000                           | 0.000                       |
| o12y              | 36.6               | 1.0                               | 0.126 | 0.0                             | 0.01                        | 33.0              | 1.000              | 0.125                             | 0.000 | 0.000                           | 0.000                       |
| o25y              | 43.9               | 1.0                               | 0.251 | 0.0                             | 0.01                        | 39.8              | 1.000              | 0.250                             | 0.000 | 0.000                           | 0.000                       |
| o37y              | 51.8               | 1.0                               | 0.376 | 0.0                             | 0.01                        | 48.4              | 1.000              | 0.375                             | 0.000 | 0.000                           | 0.000                       |
| o50y              | 60.0               | 1.0                               | 0.501 | 0.0                             | 0.01                        | 58.8              | 1.000              | 0.500                             | 0.000 | 0.000                           | 0.000                       |
| o62y              | 68.2               | 1.0                               | 0.626 | 0.0                             | 0.01                        | 69.5              | 1.000              | 0.625                             | 0.000 | 0.000                           | 0.000                       |
| o75y              | 76.1               | 1.0                               | 0.751 | 0.0                             | 0.01                        | 80.9              | 1.000              | 0.750                             | 0.000 | 0.000                           | 0.000                       |
| o87y              | 83.4               | 1.0                               | 0.876 | 0.0                             | 0.01                        | 91.9              | 1.000              | 0.875                             | 0.000 | 0.000                           | 0.000                       |
| y00l=Y            | 90.0               | 0.999                             | 1.0   | 0.0                             | 0.01                        | 103.3             | 1.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y12l              | 96.6               | 0.874                             | 1.0   | 0.0                             | 0.01                        | 112.4             | 0.875              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y25l              | 103.9              | 0.749                             | 1.0   | 0.0                             | 0.01                        | 118.5             | 0.750              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y37l              | 111.8              | 0.624                             | 1.0   | 0.0                             | 0.01                        | 123.4             | 0.625              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y50l              | 120.0              | 0.499                             | 1.0   | 0.0                             | 0.01                        | 127.3             | 0.500              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y62l              | 128.2              | 0.374                             | 1.0   | 0.0                             | 0.01                        | 130.4             | 0.375              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y75l              | 136.1              | 0.249                             | 1.0   | 0.0                             | 0.01                        | 132.7             | 0.250              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| y87l              | 143.4              | 0.124                             | 1.0   | 0.0                             | 0.01                        | 134.6             | 0.125              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 100c=L            | 150.0              | 0.0                               | 1.0   | 0.001                           | 0.01                        | 135.3             | 0.000              | 1.000                             | 0.000 | 0.000                           | 0.000                       |
| 112c              | 156.6              | 0.0                               | 1.0   | 0.126                           | 0.01                        | 136.8             | 0.000              | 1.000                             | 0.125 | 0.000                           | 0.000                       |
| 125c              | 163.9              | 0.0                               | 1.0   | 0.251                           | 0.01                        | 140.2             | 0.000              | 1.000                             | 0.250 | 0.000                           | 0.000                       |
| 137c              | 171.8              | 0.0                               | 1.0   | 0.376                           | 0.01                        | 144.0             | 0.000              | 1.000                             | 0.375 | 0.000                           | 0.000                       |
| 150c              | 180.0              | 0.0                               | 1.0   | 0.501                           | 0.01                        | 148.5             | 0.000              | 1.000                             | 0.500 | 0.000                           | 0.000                       |
| 162c              | 188.2              | 0.0                               | 1.0   | 0.626                           | 0.01                        | 153.8             | 0.000              | 1.000                             | 0.625 | 0.000                           | 0.000                       |
| 175c              | 196.1              | 0.0                               | 1.0   | 0.751                           | 0.01                        | 160.4             | 0.000              | 1.000                             | 0.750 | 0.000                           | 0.000                       |
| 187c              | 203.4              | 0.0                               | 1.0   | 0.876                           | 0.01                        | 170.0             | 0.000              | 1.000                             | 0.875 | 0.000                           | 0.000                       |

LG070-7X, 2

**Interpretation rgb -> olv\*- und CIELAB-Daten von einem 48-stufigem Geräte-Bunttonkreis für LCD-display (wenig Glanz) mit der Leuchtlicht-Reflexion L<sub>r</sub>=40% verglichen mit der weissen Referenz (100%)**  
**48-stufiger Geräte-Bunttonkreis mit 6 Geräte-Bunttönen OYL<sub>r</sub>CV<sub>r</sub>M**: h<sub>ab,a</sub> = 23.2, 106.5, 139.9, 198.2, 293.2, 324.2  
**Vergleich mit vier Elementar-Bunttönen R<sub>r</sub>J<sub>r</sub>G<sub>r</sub>**: h<sub>ab,a</sub> = 25.5, 92.3, 162.2, 271.7, und C<sub>r</sub>M<sub>r</sub> = 217.0, 328.6  
**9-stufige gleichabständige Graureihe**: L\* = 69.7, 72.9, 76.1, 79.3, 82.5, 85.8, 89.0, 92.2, 95.4

| d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma | d <sub>r</sub> Ma | h <sub>r</sub> rgb | olv* <sub>r</sub> Ma <sub>d</sub> | A2    | h <sub>ab</sub> Ma <sub>d</sub> | rgb -> olv* <sub>r</sub> Ma |
|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|-------------------|--------------------|-----------------------------------|-------|---------------------------------|-----------------------------|
| o00y=O            | 30.0               | 1.0                               | 0.001 | 0.0                             | 0.01                        | 23.2              | 1.000              | 0.000                             | 0.000 | 0.000                           | 0.000                       |
| o12y              | 36.6               | 1.0                               | 0.126 | 0.0                             | 0.01                        | 25.4              | 1.000              | 0.125                             |       |                                 |                             |