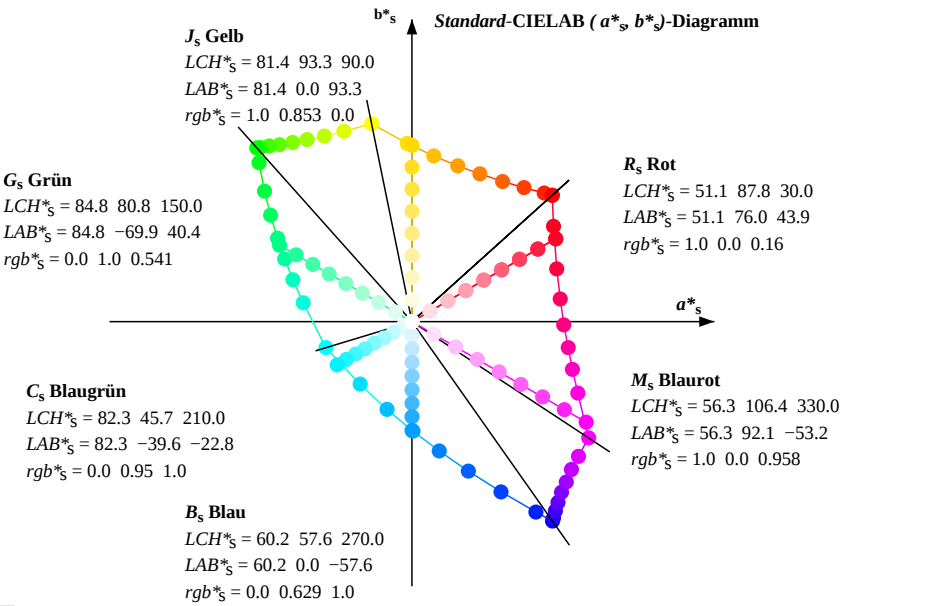
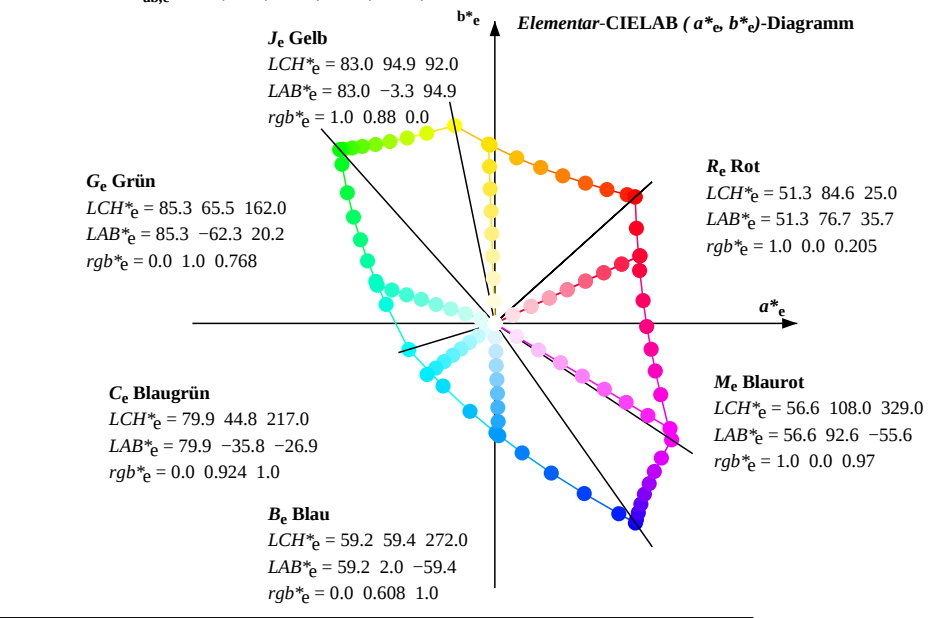
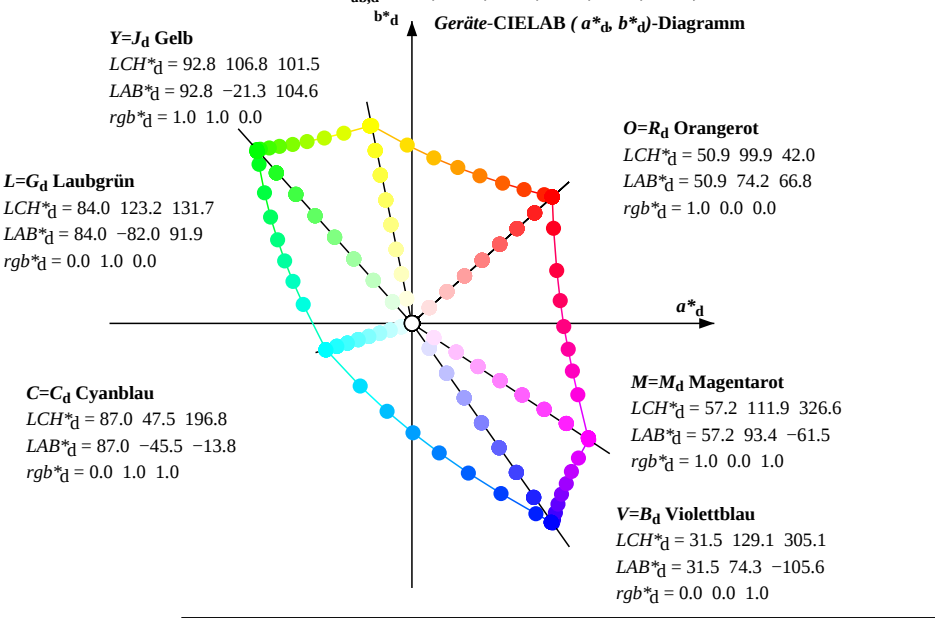


Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s: h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d: h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben  $e: h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
$$h_{ab,s} \ rgb^*_d = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60-Grad-Farben  $s: h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben  $e: h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |       |       |      |                            |        |       |       |                  |       |       |      |                            |       |       |     |                  |       |       |       |                  |       |      |       |                            |       |      |       |                  |       |       |       |               |               |               |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-------|-------|------|----------------------------|--------|-------|-------|------------------|-------|-------|------|----------------------------|-------|-------|-----|------------------|-------|-------|-------|------------------|-------|------|-------|----------------------------|-------|------|-------|------------------|-------|-------|-------|---------------|---------------|---------------|-----|-----|-----|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ab}d50M$ |       |       |      | $LAB^*_{ab}d50Mx(x=LabCh)$ |        |       |       | $rgb^*_{ab}s50M$ |       |       |      | $LAB^*_{ab}s50Mx(x=LabCh)$ |       |       |     | $rgb^*_{ab}s50M$ |       |       |       | $rgb^*_{ab}e50M$ |       |      |       | $LAB^*_{ab}e50Mx(x=LabCh)$ |       |      |       | $rgb^*_{ab}e50M$ |       |       |       | $rgb^*_{ab}d$ | $rgb^*_{ab}s$ | $rgb^*_{ab}e$ |     |     |     |
| 42.0                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0       | 25.5       | 1.0              | 0.0   | 0.0   | 50.9 | 74.2                       | 66.9   | 99.9  | 42.0  | 1.0              | 0.0   | 0.16  | 51.2 | 76.1                       | 43.9  | 87.8  | 30  | 1.0              | 0.0   | 0.0   | 1.0   | 0.0              | 0.205 | 51.3 | 76.8  | 35.8                       | 84.7  | 25   | 1.0   | 0.0              | 0.0   | 1.0   | 0.0   | 0.0           | 42            | 30            | 25  |     |     |
| 44.2                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5       | 33.8       | 1.0              | 0.125 | 0.0   | 52.4 | 70.0                       | 68.1   | 97.6  | 44.2  | 1.0              | 0.0   | 0.062 | 51.0 | 75.0                       | 58.6  | 95.1  | 38  | 1.0              | 0.125 | 0.0   | 1.0   | 0.0              | 0.124 | 51.1 | 74.9  | 50.5                       | 90.4  | 34   | 1.0   | 0.125            | 0.0   | 1.0   | 0.125 | 0.0           | 44            | 37            | 34  |     |     |
| 50.0                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0       | 42.2       | 1.0              | 0.25  | 0.0   | 56.1 | 59.4                       | 70.8   | 92.5  | 50.0  | 1.0              | 0.142 | 0.0   | 52.9 | 68.5                       | 68.5  | 96.9  | 45  | 1.0              | 0.25  | 0.0   | 1.0   | 0.0              | 0.0   | 50.9 | 74.2  | 66.8                       | 99.9  | 42   | 1.0   | 0.25             | 0.0   | 1.0   | 0.25  | 0.0           | 50            | 45            | 42  |     |     |
| 57.1                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5       | 50.5       | 1.0              | 0.375 | 0.0   | 60.4 | 48.0                       | 74.2   | 88.4  | 57.1  | 1.0              | 0.303 | 0.0   | 57.9 | 54.6                       | 72.5  | 90.7  | 53  | 1.0              | 0.375 | 0.0   | 1.0   | 0.267            | 0.0   | 56.7 | 57.8  | 71.4                       | 99.9  | 51   | 1.0   | 0.375            | 0.0   | 1.0   | 0.375 | 0.0           | 57            | 52            | 50  |     |     |
| 65.3                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0       | 58.9       | 1.0              | 0.5   | 0.0   | 65.1 | 36.0                       | 78.2   | 86.1  | 65.3  | 1.0              | 0.419 | 0.0   | 62.0 | 43.8                       | 75.8  | 87.6  | 60  | 1.0              | 0.5   | 0.0   | 1.0   | 0.404            | 0.0   | 61.5 | 45.2  | 75.3                       | 87.8  | 59   | 1.0   | 0.5              | 0.0   | 1.0   | 0.5   | 0.0           | 65            | 60            | 59  |     |     |
| 73.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5       | 67.2       | 1.0              | 0.625 | 0.0   | 70.1 | 24.2                       | 82.4   | 85.9  | 73.6  | 1.0              | 0.541 | 0.0   | 66.7 | 32.2                       | 79.8  | 86.0  | 68  | 1.0              | 0.625 | 0.0   | 1.0   | 0.526            | 0.0   | 66.1 | 33.6  | 79.2                       | 86.1  | 67   | 1.0   | 0.625            | 0.0   | 1.0   | 0.625 | 0.0           | 73            | 67            | 67  |     |     |
| 82.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0       | 75.6       | 1.0              | 0.75  | 0.0   | 75.7 | 11.5                       | 87.7   | 88.4  | 82.5  | 1.0              | 0.644 | 0.0   | 70.9 | 22.3                       | 83.3  | 86.3  | 75  | 1.0              | 0.75  | 0.0   | 1.0   | 0.658            | 0.0   | 71.6 | 20.9  | 84.0                       | 86.6  | 76   | 1.0   | 0.75             | 0.0   | 1.0   | 0.75  | 0.0           | 82            | 75            | 76  |     |     |
| 91.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5       | 84.0       | 1.0              | 0.875 | 0.0   | 82.6 | -2.4                       | 94.4   | 94.4  | 91.5  | 1.0              | 0.757 | 0.0   | 76.1 | 10.8                       | 88.1  | 88.7  | 83  | 1.0              | 0.875 | 0.0   | 1.0   | 0.77             | 0.0   | 76.9 | 9.3   | 88.9                       | 89.4  | 84   | 1.0   | 0.875            | 0.0   | 1.0   | 0.875 | 0.0           | 91            | 82            | 84  |     |     |
| 101.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0       | 92.3       | 1.0              | 1.0   | 0.0   | 92.8 | -21.2                      | 104.7  | 106.8 | 101.5 | 1.0              | 0.854 | 0.0   | 81.4 | 0.0                        | 93.4  | 93.4  | 90  | 1.0              | 1.0   | 0.0   | 1.0   | 0.881            | 0.0   | 83.1 | -3.2  | 94.9                       | 95.0  | 92   | 1.0   | 1.0              | 0.0   | 1.0   | 1.0   | 0.0           | 101           | 90            | 92  |     |     |
| 109.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5       | 101.1      | 0.875            | 1.0   | 0.0   | 90.1 | -35.9                      | 100.7  | 106.9 | 109.7 | 1.0              | 0.956 | 0.0   | 89.2 | -14.2                      | 101.5 | 102.5 | 98  | 0.875            | 1.0   | 0.0   | 1.0   | 0.993            | 0.0   | 92.3 | -20.2 | 104.2                      | 106.2 | 101  | 0.875 | 1.0              | 0.0   | 1.0   | 0.875 | 1.0           | 0.0           | 109           | 97  | 101 |     |
| 115.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0      | 109.8      | 0.75             | 1.0   | 0.0   | 88.5 | -46.3                      | 98.1   | 108.6 | 115.3 | 0.947            | 1.0   | 0.0   | 91.7 | -27.6                      | 103.2 | 106.9 | 105 | 0.75             | 1.0   | 0.0   | 0.868 | 1.0              | 0.0   | 90.0 | -36.5 | 100.5                      | 107.0 | 110  | 0.75  | 1.0              | 0.0   | 1.0   | 0.75  | 1.0           | 0.0           | 115           | 105 | 109 |     |
| 120.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5      | 118.5      | 0.625            | 1.0   | 0.0   | 87.2 | -55.4                      | 96.3   | 111.1 | 120.0 | 0.802            | 1.0   | 0.0   | 89.1 | -42.1                      | 99.3  | 107.9 | 113 | 0.625            | 1.0   | 0.0   | 0.651 | 1.0              | 0.0   | 87.4 | -53.5 | 96.7                       | 110.6 | 119  | 0.625 | 1.0              | 0.0   | 1.0   | 0.625 | 1.0           | 0.0           | 120           | 112 | 118 |     |
| 123.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0      | 127.3      | 0.5              | 1.0   | 0.0   | 86.2 | -63.0                      | 94.8   | 113.9 | 123.7 | 0.624            | 1.0   | 0.0   | 87.2 | -55.5                      | 96.3  | 111.2 | 120 | 0.5              | 1.0   | 0.0   | 0.363 | 1.0              | 0.0   | 85.3 | -70.5 | 93.6                       | 117.3 | 127  | 0.5   | 1.0              | 0.0   | 1.0   | 0.5   | 1.0           | 0.0           | 123           | 120 | 127 |     |
| 126.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5      | 136.0      | 0.375            | 1.0   | 0.0   | 85.4 | -70.0                      | 93.7   | 117.0 | 126.8 | 0.31             | 1.0   | 0.0   | 85.0 | -72.8                      | 93.3  | 118.4 | 128 | 0.375            | 1.0   | 0.0   | 0.0   | 1.0              | 0.182 | 84.2 | -79.7 | 77.1                       | 111.0 | 136  | 0.375 | 1.0              | 0.0   | 1.0   | 0.375 | 1.0           | 0.0           | 126           | 127 | 136 |     |
| 129.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0      | 144.7      | 0.25             | 1.0   | 0.0   | 84.7 | -75.4                      | 92.9   | 119.7 | 129.1 | 0.0              | 1.0   | 0.155 | 84.2 | -80.3                      | 80.4  | 113.7 | 135 | 0.25             | 1.0   | 0.0   | 0.0   | 1.0              | 0.423 | 84.6 | -73.5 | 51.5                       | 89.8  | 145  | 0.25  | 1.0              | 0.0   | 1.0   | 0.25  | 1.0           | 0.0           | 129           | 135 | 144 |     |
| 131.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5      | 153.5      | 0.125            | 1.0   | 0.0   | 84.2 | -80.1                      | 92.1   | 122.1 | 131.0 | 0.0              | 1.0   | 0.374 | 84.5 | -74.8                      | 56.4  | 93.7  | 143 | 0.125            | 1.0   | 0.0   | 0.0   | 1.0              | 0.608 | 85.0 | -67.8 | 34.6                       | 76.2  | 153  | 0.125 | 1.0              | 0.0   | 1.0   | 0.125 | 1.0           | 0.0           | 131           | 142 | 153 |     |
| 131.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0      | 162.2      | 0.0              | 1.0   | 0.0   | 84.0 | -82.0                      | 92.0   | 123.3 | 131.8 | 0.0              | 1.0   | 0.542 | 84.8 | -69.9                      | 40.4  | 80.8  | 150 | 0.0              | 1.0   | 0.0   | 0.0   | 1.0              | 0.768 | 85.4 | -62.2 | 20.2                       | 65.5  | 162  | 0.0   | 1.0              | 0.0   | 1.0   | 0.0   | 0.0           | 131           | 150           | 162 |     |     |
| 133.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5      | 169.1      | 0.0              | 1.0   | 0.125 | 84.1 | -80.9                      | 84.1   | 116.7 | 133.9 | 0.0              | 1.0   | 0.702 | 85.2 | -64.7                      | 26.2  | 69.9  | 158 | 0.0              | 1.0   | 0.125 | 0.0   | 1.0              | 0.86  | 85.7 | -58.2 | 11.3                       | 59.4  | 169  | 0.0   | 1.0              | 0.125 | 0.0   | 1.0   | 0.125         | 0.0           | 133           | 157 | 169 |     |
| 138.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0      | 175.9      | 0.0              | 1.0   | 0.25  | 84.3 | -77.9                      | 69.1   | 104.2 | 138.5 | 0.0              | 1.0   | 0.808 | 85.5 | -60.6                      | 16.3  | 62.9  | 165 | 0.0              | 1.0   | 0.25  | 0.0   | 1.0              | 0.903 | 86.1 | -55.8 | 3.9                        | 56.0  | 176  | 0.0   | 1.0              | 0.25  | 0.0   | 1.0   | 0.25          | 0.0           | 138           | 165 | 175 |     |
| 143.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5      | 182.8      | 0.0              | 1.0   | 0.375 | 84.5 | -74.7                      | 56.3   | 93.7  | 143.0 | 0.0              | 1.0   | 0.888 | 85.9 | -56.7                      | 7.0   | 57.2  | 173 | 0.0              | 1.0   | 0.375 | 0.0   | 1.0              | 0.935 | 86.4 | -53.0 | -2.7                       | 53.2  | 183  | 0.0   | 1.0              | 0.375 | 0.0   | 1.0   | 0.375         | 0.0           | 143           | 172 | 182 |     |
| 148.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0      | 189.6      | 0.0              | 1.0   | 0.5   | 84.7 | -71.0                      | 44.3   | 83.8  | 148.1 | 0.0              | 1.0   | 0.921 | 86.3 | -54.3                      | 0.0   | 54.4  | 180 | 0.0              | 1.0   | 0.5   | 0.0   | 1.0              | 0.968 | 86.7 | -49.5 | -8.6                       | 50.4  | 190  | 0.0   | 1.0              | 0.5   | 0.0   | 1.0   | 0.5           | 0.0           | 148           | 180 | 189 |     |
| 153.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5      | 196.4      | 0.0              | 1.0   | 0.625 | 85.0 | -67.2                      | 33.2   | 75.0  | 153.8 | 0.0              | 1.0   | 0.959 | 86.6 | -50.6                      | -7.0  | 51.2  | 188 | 0.0              | 1.0   | 0.625 | 0.0   | 1.0              | 0.996 | 87.0 | -46.0 | -13.1                      | 47.9  | 196  | 0.0   | 1.0              | 0.625 | 0.0   | 1.0   | 0.625         | 0.0           | 153           | 187 | 196 |     |
| 160.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0      | 203.3      | 0.0              | 1.0   | 0.75  | 85.3 | -62.9                      | 22.2   | 66.7  | 160.6 | 0.0              | 1.0   | 0.991 | 87.0 | -46.6                      | -12.4 | 48.3  | 195 | 0.0              | 1.0   | 0.75  | 0.0   | 1.0              | 0.977 | 1.0  | 84.9  | -42.9                      | -18.2 | 46.8 | 203   | 0.0              | 1.0   | 0.75  | 0.0   | 1.0           | 0.75          | 0.0           | 160 | 195 | 203 |
| 170.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5      | 210.1      | 0.0              | 1.0   | 0.875 | 85.8 | -57.4                      | 10.0   | 58.4  | 170.1 | 0.0              | 0.977 | 1.0   | 84.9 | -42.9                      | -18.2 | 46.8  | 203 | 0.0              | 1.0   | 0.875 | 0.0   | 1.0              | 0.951 | 1.0  | 82.4  | -39.6                      | -22.8 | 45.8 | 210   | 0.0              | 1.0   | 0.875 | 0.0   | 1.0           | 0.875         | 0.0           | 170 | 202 | 210 |
| 196.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0      | 217.0      | 0.0              | 1.0   | 1.0   | 87.1 | -45.4                      | -13.7  | 47.6  | 196.9 | 0.0              | 0.951 | 1.0   | 82.4 | -39.6                      | -22.8 | 45.8  | 210 | 0.0              | 1.0   | 1.0   | 0.0   | 1.0              | 0.925 | 1.0  | 79.9  | -35.7                      | -26.9 | 44.8 | 217   | 0.0              | 1.0   | 1.0   | 0.0   | 1.0           | 1.0           | 0.0           | 196 | 210 | 217 |
| 230.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5      | 223.8      | 0.0              | 0.875 | 1.0   | 75.1 | -27.4                      | -33.0  | 43.0  | 230.3 | 0.0              | 0.921 | 1.0   | 79.5 | -35.1                      | -27.4 | 44.7  | 218 | 0.0              | 0.875 | 1.0   | 0.0   | 0.899            | 1.0   | 77.4 | -31.5 | -30.4                      | 43.9  | 224  | 0.0   | 0.875            | 1.0   | 0.0   | 0.875 | 1.0           | 0.0           | 230           | 217 | 223 |     |
| 254.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0      | 230.7      | 0.0              | 0.75  | 1.0   | 67.0 | -13.1                      | -46.3  | 48.3  | 254.1 | 0.0              | 0.895 | 1.0   | 77.1 | -30.8                      | -30.8 | 43.8  | 225 | 0.0              | 0.75  | 1.0   | 0.0   | 0.872            | 1.0   | 74.9 | -27.1 | -33.5                      | 43.2  | 231  | 0.0   | 0.75             | 1.0   | 0.0   | 0.75  | 1.0           | 0.0           | 254           | 225 | 230 |     |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5      | 237.5      | 0.0              | 0.625 | 1.0   | 60.0 | 0.5                        | -57.8  | 57.9  | 270.5 | 0.0              | 0.861 | 1.0   | 74.2 | -26.1                      | -34.7 | 43.6  | 233 | 0.0              | 0.625 | 1.0   | 0.0   | 0.835            | 1.0   | 72.5 | -23.6 | -37.8                      | 44.7  | 238  | 0.0   | 0.625            | 1.0   | 0.0   | 0.625 | 1.0           | 0.0           | 270           | 232 | 237 |     |
| 281.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0      | 244.4      | 0.0              | 0.5   | 1.0   | 53.7 | 14.4                       | -68.3  | 69.9  | 281.9 | 0.0              | 0.824 | 1.0   | 71.8 | -22.5                      | -39.0 | 45.2  | 240 | 0.0              | 0.5   | 1.0   | 0.0   | 0.803            | 1.0   | 70.5 | -20.1 | -41.3                      | 46.1  | 244  | 0.0   | 0.5              | 1.0   | 0.0   | 0.5   | 1.0           | 0.0           | 281           | 240 | 244 |     |
| 290.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5      | 251.2      | 0.0              | 0.375 | 1.0   | 47.1 | 29.9                       | -79.1  | 84.7  | 290.7 | 0.0              | 0.782 | 1.0   | 69.1 | -17.5                      | -43.4 | 46.9  | 248 | 0.0              | 0.375 | 1.0   | 0.0   | 0.766            | 1.0   | 68.1 | -15.4 | -44.9                      | 47.6  | 251  | 0.0   | 0.375            | 1.0   | 0.0   | 0.375 | 1.0           | 0.0           | 290           | 247 | 251 |     |
| 297.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0      | 258.0      | 0.0              | 0.25  | 1.0   | 40.7 | 47.2                       | -90.0  | 101.7 | 297.7 | 0.0              | 0.743 | 1.0   | 66.6 | -12.5                      | -47.1 | 48.8  | 255 | 0.0              | 0.25  | 1.0   | 0.0   | 0.772            | 1.0   | 65.3 | -10.4 | -49.4                      | 50.6  | 258  | 0.0   | 0.25             | 1.0   | 0.0   | 0.25  | 1.0           | 0.0           | 297           | 255 | 258 |     |
| 303.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5      | 264.9      | 0.0              | 0.125 | 1.0   | 34.4 | 65.6                       | -100.6 | 120.2 | 303.1 | 0.0              | 0.682 | 1.0   | 63.2 | -6.4                       | -53.0 | 53.5  | 263 | 0.0              | 0.125 | 1.0   | 0.0   | 0.667            | 1.0   | 62.4 | -4.7  | -54.4                      | 54.7  | 265  | 0.0   | 0.125            | 1.0   | 0.0   | 0.125 | 1.0           | 0.0           | 303           | 262 | 264 |     |
| 305.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0      | 271.7      | 0.0              | 0.0   | 1.0   | 31.5 | 74.4                       | -105.5 | 129.2 | 305.2 | 0.0              | 0.629 | 1.0   | 60.3 |                            |       |       |     |                  |       |       |       |                  |       |      |       |                            |       |      |       |                  |       |       |       |               |               |               |     |     |     |



Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mix}(x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mix}(x=LabCh)$ | $rgb^*_{s50M}$ | $rgb^*_{de361Mi}$ | $LAB^*_{de361Mix}(x=LabCh)$ | $rgb^*_{e50M}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |      |      |    |     |       |     |     |           |      |      |      |      |    |     |       |     |  |  |  |  |
|------------|------------|------------|-------------------|-----------------------------|-------------------|-----------------------------|----------------|-------------------|-----------------------------|----------------|--------------|--------------|--------------|------|------|----|-----|-------|-----|-----|-----------|------|------|------|------|----|-----|-------|-----|--|--|--|--|
| 87         | 75         | 76         | 1.0               | 0.812 0.0                   | 79.2              | 4.8                         | 91.3           | 91.4              | 87                          | 1.0            | 0.644 0.0    | 70.9         | 22.3         | 83.3 | 86.3 | 75 | 1.0 | 0.75  | 0.0 | 1.0 | 0.658 0.0 | 71.6 | 20.9 | 84.0 | 86.6 | 76 | 1.0 | 0.75  | 0.0 |  |  |  |  |
| 88         | 76         | 77         | 1.0               | 0.826 0.0                   | 79.9              | 3.2                         | 92.0           | 92.0              | 88                          | 1.0            | 0.658 0.0    | 71.6         | 20.9         | 84.0 | 86.6 | 76 | 1.0 | 0.767 | 0.0 | 1.0 | 0.672 0.0 | 72.2 | 19.5 | 84.6 | 86.8 | 77 | 1.0 | 0.767 | 0.0 |  |  |  |  |
| 89         | 77         | 78         | 1.0               | 0.84 0.0                    | 80.7              | 1.6                         | 92.7           | 92.7              | 89                          | 1.0            | 0.672 0.0    | 72.2         | 19.5         | 84.6 | 86.8 | 77 | 1.0 | 0.783 | 0.0 | 1.0 | 0.686 0.0 | 72.8 | 18.1 | 85.2 | 87.1 | 78 | 1.0 | 0.783 | 0.0 |  |  |  |  |
| 90         | 78         | 79         | 1.0               | 0.854 0.0                   | 81.4              | 0.0                         | 93.4           | 93.4              | 90                          | 1.0            | 0.686 0.0    | 72.8         | 18.1         | 85.2 | 87.1 | 78 | 1.0 | 0.8   | 0.0 | 1.0 | 0.701 0.0 | 73.5 | 16.7 | 85.8 | 87.4 | 79 | 1.0 | 0.8   | 0.0 |  |  |  |  |
| 91         | 79         | 80         | 1.0               | 0.868 0.0                   | 82.2              | -1.5                        | 94.0           | 94.0              | 91                          | 1.0            | 0.701 0.0    | 73.5         | 16.7         | 85.8 | 87.4 | 79 | 1.0 | 0.817 | 0.0 | 1.0 | 0.715 0.0 | 74.1 | 15.2 | 86.4 | 87.7 | 80 | 1.0 | 0.817 | 0.0 |  |  |  |  |
| 92         | 80         | 81         | 1.0               | 0.881 0.0                   | 83.1              | -3.2                        | 94.9           | 95.0              | 92                          | 1.0            | 0.715 0.0    | 74.1         | 15.2         | 86.4 | 87.7 | 80 | 1.0 | 0.833 | 0.0 | 1.0 | 0.729 0.0 | 74.8 | 13.8 | 86.9 | 88.0 | 81 | 1.0 | 0.833 | 0.0 |  |  |  |  |
| 93         | 81         | 82         | 1.0               | 0.893 0.0                   | 84.1              | -4.9                        | 96.1           | 96.2              | 93                          | 1.0            | 0.729 0.0    | 74.8         | 13.8         | 86.9 | 88.0 | 81 | 1.0 | 0.85  | 0.0 | 1.0 | 0.743 0.0 | 75.4 | 12.3 | 87.4 | 88.3 | 82 | 1.0 | 0.85  | 0.0 |  |  |  |  |
| 94         | 82         | 83         | 1.0               | 0.906 0.0                   | 85.1              | -6.7                        | 97.2           | 97.5              | 94                          | 1.0            | 0.743 0.0    | 75.4         | 12.3         | 87.4 | 88.3 | 82 | 1.0 | 0.867 | 0.0 | 1.0 | 0.757 0.0 | 76.1 | 10.8 | 88.1 | 88.7 | 83 | 1.0 | 0.867 | 0.0 |  |  |  |  |
| 95         | 83         | 85         | 1.0               | 0.918 0.0                   | 86.2              | -8.5                        | 98.3           | 98.7              | 95                          | 1.0            | 0.757 0.0    | 76.1         | 10.8         | 88.1 | 88.7 | 83 | 1.0 | 0.883 | 0.0 | 1.0 | 0.784 0.0 | 77.6 | 7.8  | 89.7 | 90.1 | 85 | 1.0 | 0.883 | 0.0 |  |  |  |  |
| 96         | 84         | 86         | 1.0               | 0.931 0.0                   | 87.2              | -10.3                       | 99.4           | 100.0             | 96                          | 1.0            | 0.77 0.0     | 76.9         | 9.3          | 88.9 | 89.4 | 84 | 1.0 | 0.9   | 0.0 | 1.0 | 0.798 0.0 | 78.4 | 6.3  | 90.5 | 90.7 | 86 | 1.0 | 0.9   | 0.0 |  |  |  |  |
| 97         | 85         | 87         | 1.0               | 0.943 0.0                   | 88.2              | -12.2                       | 100.5          | 101.2             | 97                          | 1.0            | 0.784 0.0    | 77.6         | 7.8          | 89.7 | 90.1 | 85 | 1.0 | 0.917 | 0.0 | 1.0 | 0.812 0.0 | 79.2 | 4.8  | 91.3 | 91.4 | 87 | 1.0 | 0.917 | 0.0 |  |  |  |  |
| 98         | 86         | 88         | 1.0               | 0.956 0.0                   | 89.2              | -14.2                       | 101.5          | 102.5             | 98                          | 1.0            | 0.798 0.0    | 78.4         | 6.3          | 90.5 | 90.7 | 86 | 1.0 | 0.933 | 0.0 | 1.0 | 0.826 0.0 | 79.9 | 3.2  | 92.0 | 92.0 | 88 | 1.0 | 0.933 | 0.0 |  |  |  |  |
| 99         | 87         | 89         | 1.0               | 0.968 0.0                   | 90.2              | -16.1                       | 102.4          | 103.7             | 99                          | 1.0            | 0.812 0.0    | 79.2         | 4.8          | 91.3 | 91.4 | 87 | 1.0 | 0.95  | 0.0 | 1.0 | 0.84 0.0  | 80.7 | 1.6  | 92.7 | 92.7 | 89 | 1.0 | 0.95  | 0.0 |  |  |  |  |
| 100        | 88         | 90         | 1.0               | 0.981 0.0                   | 91.3              | -18.1                       | 103.4          | 105.0             | 100                         | 1.0            | 0.826 0.0    | 79.9         | 3.2          | 92.  |      |    |     |       |     |     |           |      |      |      |      |    |     |       |     |  |  |  |  |

| Daten der Maximalfarbe M im Farbmatrix-Sytem LEDCD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |     |       |      |       |      |                             |     |       |     |     |       |                   |       |       |       |                             |       |     |       |                |     |       |       |                   |       |       |       |                             |       |     |     |                |     |     |     |                                        |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-----|-------|------|-------|------|-----------------------------|-----|-------|-----|-----|-------|-------------------|-------|-------|-------|-----------------------------|-------|-----|-------|----------------|-----|-------|-------|-------------------|-------|-------|-------|-----------------------------|-------|-----|-----|----------------|-----|-----|-----|----------------------------------------|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ds361Mi}$ |     |       |      |       |      | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       |     |     |       | $rgb^*_{ds361Mi}$ |       |       |       | $LAB^*_{ds361Mix}(x=LabCh)$ |       |     |       | $rgb^*_{s50M}$ |     |       |       | $rgb^*_{de361Mi}$ |       |       |       | $LAB^*_{de361Mix}(x=LabCh)$ |       |     |     | $rgb^*_{e50M}$ |     |     |     | $rgb^*_{dd}$ $rgb^*_{ds}$ $rgb^*_{de}$ |  |  |
| 132                                                                                                                                                                                                                                                                                                                                                                                                                            | 120        | 127        | 0.0               | 1.0 | 0.014 | 84.1 | -81.9 | 91.0 | 122.5                       | 132 | 0.624 | 1.0 | 0.0 | 87.2  | -55.5             | 96.3  | 111.2 | 120   | 0.5                         | 1.0   | 0.0 | 0.363 | 1.0            | 0.0 | 85.3  | -70.5 | 93.6              | 117.3 | 127   | 0.5   | 1.0                         | 0.0   |     |     |                |     |     |     |                                        |  |  |
| 133                                                                                                                                                                                                                                                                                                                                                                                                                            | 121        | 128        | 0.0               | 1.0 | 0.072 | 84.1 | -81.4 | 87.4 | 119.5                       | 133 | 0.59  | 1.0 | 0.0 | 86.9  | -57.5             | 95.9  | 111.9 | 121   | 0.483                       | 1.0   | 0.0 | 0.31  | 1.0            | 0.0 | 85.0  | -72.8 | 93.3              | 118.4 | 128   | 0.483 | 1.0                         | 0.0   |     |     |                |     |     |     |                                        |  |  |
| 134                                                                                                                                                                                                                                                                                                                                                                                                                            | 122        | 130        | 0.0               | 1.0 | 0.127 | 84.1 | -80.8 | 83.8 | 116.5                       | 134 | 0.556 | 1.0 | 0.0 | 86.6  | -59.6             | 95.5  | 112.6 | 122   | 0.467                       | 1.0   | 0.0 | 0.192 | 1.0            | 0.0 | 84.5  | -77.6 | 92.5              | 120.8 | 130   | 0.467 | 1.0                         | 0.0   |     |     |                |     |     |     |                                        |  |  |
| 135                                                                                                                                                                                                                                                                                                                                                                                                                            | 123        | 131        | 0.0               | 1.0 | 0.155 | 84.2 | -80.3 | 80.4 | 113.7                       | 135 | 0.522 | 1.0 | 0.0 | 86.4  | -61.7             | 95.1  | 113.4 | 123   | 0.45                        | 1.0   | 0.0 | 0.127 | 1.0            | 0.0 | 84.2  | -80.0 | 92.1              | 122.1 | 131   | 0.45  | 1.0                         | 0.0   |     |     |                |     |     |     |                                        |  |  |
| 136                                                                                                                                                                                                                                                                                                                                                                                                                            | 124        | 132        | 0.0               | 1.0 | 0.182 | 84.2 | -79.7 | 77.1 | 111.0                       | 136 | 0.487 | 1.0 | 0.0 | 86.1  | -63.8             | 94.7  | 114.2 | 124   | 0.433                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.014 | 84.1  | -81.9             | 91.0  | 122.5 | 132   | 0.433                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 137                                                                                                                                                                                                                                                                                                                                                                                                                            | 125        | 133        | 0.0               | 1.0 | 0.21  | 84.2 | -79.0 | 73.8 | 108.2                       | 137 | 0.446 | 1.0 | 0.0 | 85.9  | -66.0             | 94.4  | 115.2 | 125   | 0.417                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.072 | 84.1  | -81.4             | 87.4  | 119.5 | 133   | 0.417                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                            | 126        | 134        | 0.0               | 1.0 | 0.238 | 84.3 | -78.2 | 70.5 | 105.4                       | 138 | 0.406 | 1.0 | 0.0 | 85.6  | -68.2             | 94.0  | 116.2 | 126   | 0.4                         | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.127 | 84.1  | -80.8             | 83.8  | 116.5 | 134   | 0.4                         | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                            | 127        | 135        | 0.0               | 1.0 | 0.265 | 84.3 | -77.6 | 67.5 | 102.9                       | 139 | 0.363 | 1.0 | 0.0 | 85.3  | -70.5             | 93.6  | 117.3 | 127   | 0.383                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.155 | 84.2  | -80.3             | 80.4  | 113.7 | 135   | 0.383                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 140                                                                                                                                                                                                                                                                                                                                                                                                                            | 128        | 137        | 0.0               | 1.0 | 0.292 | 84.4 | -77.0 | 64.7 | 100.6                       | 140 | 0.31  | 1.0 | 0.0 | 85.0  | -72.8             | 93.3  | 118.4 | 128   | 0.367                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.21  | 84.2  | -79.0             | 73.8  | 108.2 | 137   | 0.367                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 141                                                                                                                                                                                                                                                                                                                                                                                                                            | 129        | 138        | 0.0               | 1.0 | 0.319 | 84.4 | -76.3 | 61.9 | 98.3                        | 141 | 0.256 | 1.0 | 0.0 | 84.8  | -75.1             | 92.9  | 119.5 | 129   | 0.35                        | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.238 | 84.3  | -78.2             | 70.5  | 105.4 | 138   | 0.35                        | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 142                                                                                                                                                                                                                                                                                                                                                                                                                            | 130        | 139        | 0.0               | 1.0 | 0.347 | 84.4 | -75.6 | 59.1 | 96.0                        | 142 | 0.192 | 1.0 | 0.0 | 84.5  | -77.6             | 92.5  | 120.8 | 130   | 0.333                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.265 | 84.3  | -77.6             | 67.5  | 102.9 | 139   | 0.333                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                            | 131        | 140        | 0.0               | 1.0 | 0.374 | 84.5 | -74.8 | 56.4 | 93.7                        | 143 | 0.127 | 1.0 | 0.0 | 84.2  | -80.0             | 92.1  | 122.1 | 131   | 0.317                       | 1.0   | 0.0 | 0.0   | 1.0            | 0.0 | 0.292 | 84.4  | -77.0             | 64.7  | 100.6 | 140   | 0.317                       | 1.0   | 0.0 |     |                |     |     |     |                                        |  |  |
| 144                                                                                                                                                                                                                                                                                                                                                                                                                            | 132        | 141        | 0.0               | 1.0 | 0.399 | 84.5 | -74.2 | 53.9 | 91.8                        | 144 | 0.0   | 1.0 | 0.0 | 0.014 | 84.1              | -81.9 | 91.0  | 122.5 | 132                         | 0.3   | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.319 | 84.4              | -76.3 | 61.9  | 98.3  | 141                         | 0.3   | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 145                                                                                                                                                                                                                                                                                                                                                                                                                            | 133        | 142        | 0.0               | 1.0 | 0.423 | 84.6 | -73.5 | 51.5 | 89.8                        | 145 | 0.0   | 1.0 | 0.0 | 0.072 | 84.1              | -81.4 | 87.4  | 119.5 | 133                         | 0.283 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.347 | 84.4              | -75.6 | 59.1  | 96.0  | 142                         | 0.283 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 146                                                                                                                                                                                                                                                                                                                                                                                                                            | 134        | 144        | 0.0               | 1.0 | 0.448 | 84.6 | -72.7 | 49.1 | 87.9                        | 146 | 0.0   | 1.0 | 0.0 | 0.127 | 84.1              | -80.8 | 83.8  | 116.5 | 134                         | 0.267 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.399 | 84.5              | -74.2 | 53.9  | 91.8  | 144                         | 0.267 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 147                                                                                                                                                                                                                                                                                                                                                                                                                            | 135        | 145        | 0.0               | 1.0 | 0.473 | 84.7 | -71.9 | 46.8 | 85.9                        | 147 | 0.0   | 1.0 | 0.0 | 0.155 | 84.2              | -80.3 | 80.4  | 113.7 | 135                         | 0.25  | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.423 | 84.6              | -73.5 | 51.5  | 89.8  | 145                         | 0.25  | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 148                                                                                                                                                                                                                                                                                                                                                                                                                            | 136        | 146        | 0.0               | 1.0 | 0.498 | 84.7 | -71.1 | 44.5 | 83.9                        | 148 | 0.0   | 1.0 | 0.0 | 0.182 | 84.2              | -79.7 | 77.1  | 111.0 | 136                         | 0.233 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.448 | 84.6              | -72.7 | 49.1  | 87.9  | 146                         | 0.233 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 149                                                                                                                                                                                                                                                                                                                                                                                                                            | 137        | 147        | 0.0               | 1.0 | 0.52  | 84.8 | -70.5 | 42.4 | 82.4                        | 149 | 0.0   | 1.0 | 0.0 | 0.21  | 84.2              | -79.0 | 73.8  | 108.2 | 137                         | 0.217 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.473 | 84.7              | -71.9 | 46.8  | 85.9  | 147                         | 0.217 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                            | 138        | 148        | 0.0               | 1.0 | 0.542 | 84.8 | -69.9 | 40.4 | 80.8                        | 150 | 0.0   | 1.0 | 0.0 | 0.238 | 84.3              | -78.2 | 70.5  | 105.4 | 138                         | 0.2   | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.498 | 84.7              | -71.1 | 44.5  | 83.9  | 148                         | 0.2   | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 151                                                                                                                                                                                                                                                                                                                                                                                                                            | 139        | 149        | 0.0               | 1.0 | 0.564 | 84.9 | -69.2 | 38.4 | 79.3                        | 151 | 0.0   | 1.0 | 0.0 | 0.265 | 84.3              | -77.6 | 67.5  | 102.9 | 139                         | 0.183 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.52  | 84.8              | -70.5 | 42.4  | 82.4  | 149                         | 0.183 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 152                                                                                                                                                                                                                                                                                                                                                                                                                            | 140        | 151        | 0.0               | 1.0 | 0.586 | 84.9 | -68.5 | 36.5 | 77.7                        | 152 | 0.0   | 1.0 | 0.0 | 0.292 | 84.4              | -77.0 | 64.7  | 100.6 | 140                         | 0.167 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.564 | 84.9              | -69.2 | 38.4  | 79.3  | 151                         | 0.167 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 153                                                                                                                                                                                                                                                                                                                                                                                                                            | 141        | 152        | 0.0               | 1.0 | 0.608 | 85.0 | -67.8 | 34.6 | 76.2                        | 153 | 0.0   | 1.0 | 0.0 | 0.319 | 84.4              | -76.3 | 61.9  | 98.3  | 141                         | 0.15  | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.586 | 84.9              | -68.5 | 36.5  | 77.7  | 152                         | 0.15  | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 154                                                                                                                                                                                                                                                                                                                                                                                                                            | 142        | 153        | 0.0               | 1.0 | 0.629 | 85.0 | -67.1 | 32.8 | 74.7                        | 154 | 0.0   | 1.0 | 0.0 | 0.347 | 84.4              | -75.6 | 59.1  | 96.0  | 142                         | 0.133 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.608 | 85.0              | -67.8 | 34.6  | 76.2  | 153                         | 0.133 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 155                                                                                                                                                                                                                                                                                                                                                                                                                            | 143        | 154        | 0.0               | 1.0 | 0.648 | 85.1 | -66.5 | 31.1 | 73.5                        | 155 | 0.0   | 1.0 | 0.0 | 0.374 | 84.5              | -74.8 | 56.4  | 93.7  | 143                         | 0.117 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.629 | 85.0              | -67.1 | 32.8  | 74.7  | 154                         | 0.117 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 156                                                                                                                                                                                                                                                                                                                                                                                                                            | 144        | 155        | 0.0               | 1.0 | 0.666 | 85.1 | -65.9 | 29.4 | 72.3                        | 156 | 0.0   | 1.0 | 0.0 | 0.399 | 84.5              | -74.2 | 53.9  | 91.8  | 144                         | 0.1   | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.648 | 85.1              | -66.5 | 31.1  | 73.5  | 155                         | 0.1   | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 157                                                                                                                                                                                                                                                                                                                                                                                                                            | 145        | 156        | 0.0               | 1.0 | 0.684 | 85.2 | -65.3 | 27.8 | 71.1                        | 157 | 0.0   | 1.0 | 0.0 | 0.423 | 84.6              | -73.5 | 51.5  | 89.8  | 145                         | 0.083 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.666 | 85.1              | -65.9 | 29.4  | 72.3  | 156                         | 0.083 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 158                                                                                                                                                                                                                                                                                                                                                                                                                            | 146        | 158        | 0.0               | 1.0 | 0.702 | 85.2 | -64.7 | 26.2 | 69.9                        | 158 | 0.0   | 1.0 | 0.0 | 0.448 | 84.6              | -72.7 | 49.1  | 87.9  | 146                         | 0.067 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.702 | 85.2              | -64.7 | 26.2  | 69.9  | 158                         | 0.067 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 159                                                                                                                                                                                                                                                                                                                                                                                                                            | 147        | 159        | 0.0               | 1.0 | 0.721 | 85.2 | -64.0 | 24.6 | 68.7                        | 159 | 0.0   | 1.0 | 0.0 | 0.473 | 84.7              | -71.9 | 46.8  | 85.9  | 147                         | 0.05  | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.721 | 85.2              | -64.0 | 24.6  | 68.7  | 159                         | 0.05  | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 160                                                                                                                                                                                                                                                                                                                                                                                                                            | 148        | 160        | 0.0               | 1.0 | 0.739 | 85.3 | -63.3 | 23.1 | 67.5                        | 160 | 0.0   | 1.0 | 0.0 | 0.498 | 84.7              | -71.1 | 44.5  | 83.9  | 148                         | 0.033 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.739 | 85.3              | -63.3 | 23.1  | 67.5  | 160                         | 0.033 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 161                                                                                                                                                                                                                                                                                                                                                                                                                            | 149        | 161        | 0.0               | 1.0 | 0.755 | 85.3 | -62.7 | 21.6 | 66.4                        | 161 | 0.0   | 1.0 | 0.0 | 0.52  | 84.8              | -70.5 | 42.4  | 82.4  | 149                         | 0.017 | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.755 | 85.3              | -62.7 | 21.6  | 66.4  | 161                         | 0.017 | 1.0 | 0.0 |                |     |     |     |                                        |  |  |
| 162                                                                                                                                                                                                                                                                                                                                                                                                                            | 150        | 162        | 0.0               | 1.0 | 0.768 | 85.4 | -62.2 | 20.2 | 65.5                        | 162 | 0.0   | 1.0 | 0.0 | 0.542 | 84.8              | -69.9 | 40.4  | 80.8  | 150                         | 0.0   | 1.0 | 0.0   | 0.0            | 1.0 | 0.0   | 0.768 | 85.4              | -62.2 | 20.2  | 65.5  | 162                         | 0.0   | 1.0 | 0.0 | 0.0            | 1.0 | 0.0 | 0.0 |                                        |  |  |
| 163                                                                                                                                                                                                                                                                                                                                                                                                                            | 151        | 163        | 0.0               | 1.0 | 0.782 | 85.4 | -61.7 | 18.9 | 64.6                        | 163 | 0.0   | 1.0 | 0.0 | 0.564 | 84.9              | -69.2 | 38.4  | 79.3  | 151                         | 0.0   | 1.0 | 0.0   | 0.017          | 1.0 | 0.0   | 0.782 | 85.4              | -61.7 | 18.9  | 64.6  | 163                         | 0.0   | 1.0 | 0.0 | 0.017          |     |     |     |                                        |  |  |
| 164                                                                                                                                                                                                                                                                                                                                                                                                                            | 152        | 164        | 0.0               | 1.0 | 0.795 | 85.5 | -61.2 | 17.6 | 63.8                        | 164 | 0.0   | 1.0 | 0.0 | 0.586 | 84.9              | -68.5 | 36.5  | 77.7  | 152                         | 0.0   | 1.0 | 0.0   | 0.033          | 1.0 | 0.0   | 0.795 | 85.5              | -61.2 | 17.6  | 63.8  | 164                         | 0.0   | 1.0 | 0.0 | 0.033          |     |     |     |                                        |  |  |
| 165                                                                                                                                                                                                                                                                                                                                                                                                                            | 153        | 165        | 0.0               | 1.0 | 0.808 | 85.5 | -60.6 | 16.3 | 62.9                        | 165 | 0.0   | 1.0 | 0.0 | 0.608 | 85.0              | -67.8 | 34.6  | 76.2  | 153                         | 0.0   | 1.0 | 0.0   | 0.05           | 1.0 | 0.0   | 0.808 | 85.5              | -60.6 | 16.3  | 62.9  | 165                         | 0.0   | 1.0 | 0.0 | 0.05           |     |     |     |                                        |  |  |
| 166                                                                                                                                                                                                                                                                                                                                                                                                                            | 154        | 166        | 0.0               | 1.0 | 0.821 | 85.6 |       |      |                             |     |       |     |     |       |                   |       |       |       |                             |       |     |       |                |     |       |       |                   |       |       |       |                             |       |     |     |                |     |     |     |                                        |  |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-------|------|-------|-------|-----------------------------|-------------------|-----|-------|-------|------|-------------------|-------|------|-----|-----|-----|-----------------------------|-----|-------|-------|------|-------|----------------|------|-----|-----|-----|-------|--------------|--------------|--------------|
| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |       |      |       |       | $LAB^*_{dd361Mix}(x=LabCh)$ |                   |     |       |       |      | $rgb^*_{ds361Mi}$ |       |      |     |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       |       |      |       | $rgb^*_{s50M}$ |      |     |     |     |       |              |              |              |
| 177                                                                                                                                                                                                                                                                                                                                                                                                                           | 165        | 176        | 0.0               | 1.0   | 0.907 | 86.1 | -55.4 | 2.9   | 55.6                        | 177               | 0.0 | 1.0   | 0.808 | 85.5 | -60.6             | 16.3  | 62.9 | 165 | 0.0 | 1.0 | 0.25                        | 0.0 | 1.0   | 0.903 | 86.1 | -55.8 | 3.9            | 56.0 | 176 | 0.0 | 1.0 | 0.25  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 178                                                                                                                                                                                                                                                                                                                                                                                                                           | 166        | 177        | 0.0               | 1.0   | 0.912 | 86.2 | -55.1 | 1.9   | 55.2                        | 178               | 0.0 | 1.0   | 0.821 | 85.6 | -60.1             | 15.0  | 62.0 | 166 | 0.0 | 1.0 | 0.267                       | 0.0 | 1.0   | 0.907 | 86.1 | -55.4 | 2.9            | 55.6 | 177 | 0.0 | 1.0 | 0.267 |              |              |              |
| 179                                                                                                                                                                                                                                                                                                                                                                                                                           | 167        | 178        | 0.0               | 1.0   | 0.917 | 86.2 | -54.7 | 1.0   | 54.8                        | 179               | 0.0 | 1.0   | 0.834 | 85.6 | -59.4             | 13.7  | 61.1 | 167 | 0.0 | 1.0 | 0.283                       | 0.0 | 1.0   | 0.912 | 86.2 | -55.1 | 1.9            | 55.2 | 178 | 0.0 | 1.0 | 0.283 |              |              |              |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                           | 168        | 179        | 0.0               | 1.0   | 0.921 | 86.3 | -54.3 | 0.0   | 54.4                        | 180               | 0.0 | 1.0   | 0.847 | 85.7 | -58.8             | 12.5  | 60.2 | 168 | 0.0 | 1.0 | 0.3                         | 0.0 | 1.0   | 0.917 | 86.2 | -54.7 | 1.0            | 54.8 | 179 | 0.0 | 1.0 | 0.3   |              |              |              |
| 181                                                                                                                                                                                                                                                                                                                                                                                                                           | 169        | 180        | 0.0               | 1.0   | 0.926 | 86.3 | -53.9 | -0.8  | 54.0                        | 181               | 0.0 | 1.0   | 0.86  | 85.7 | -58.2             | 11.3  | 59.4 | 169 | 0.0 | 1.0 | 0.317                       | 0.0 | 1.0   | 0.921 | 86.3 | -54.3 | 0.0            | 54.4 | 180 | 0.0 | 1.0 | 0.317 |              |              |              |
| 182                                                                                                                                                                                                                                                                                                                                                                                                                           | 170        | 180        | 0.0               | 1.0   | 0.931 | 86.4 | -53.5 | -1.8  | 53.6                        | 182               | 0.0 | 1.0   | 0.874 | 85.8 | -57.5             | 10.2  | 58.5 | 170 | 0.0 | 1.0 | 0.333                       | 0.0 | 1.0   | 0.921 | 86.3 | -54.3 | 0.0            | 54.4 | 180 | 0.0 | 1.0 | 0.333 |              |              |              |
| 183                                                                                                                                                                                                                                                                                                                                                                                                                           | 171        | 181        | 0.0               | 1.0   | 0.935 | 86.4 | -53.0 | -2.7  | 53.2                        | 183               | 0.0 | 1.0   | 0.879 | 85.8 | -57.2             | 9.1   | 58.0 | 171 | 0.0 | 1.0 | 0.35                        | 0.0 | 1.0   | 0.926 | 86.3 | -53.9 | -0.8           | 54.0 | 181 | 0.0 | 1.0 | 0.35  |              |              |              |
| 184                                                                                                                                                                                                                                                                                                                                                                                                                           | 172        | 182        | 0.0               | 1.0   | 0.94  | 86.5 | -52.6 | -3.6  | 52.8                        | 184               | 0.0 | 1.0   | 0.884 | 85.9 | -57.0             | 8.0   | 57.6 | 172 | 0.0 | 1.0 | 0.367                       | 0.0 | 1.0   | 0.931 | 86.4 | -53.5 | -1.8           | 53.6 | 182 | 0.0 | 1.0 | 0.367 |              |              |              |
| 185                                                                                                                                                                                                                                                                                                                                                                                                                           | 173        | 183        | 0.0               | 1.0   | 0.945 | 86.5 | -52.1 | -4.5  | 52.4                        | 185               | 0.0 | 1.0   | 0.888 | 85.9 | -56.7             | 7.0   | 57.2 | 173 | 0.0 | 1.0 | 0.383                       | 0.0 | 1.0   | 0.935 | 86.4 | -53.0 | -2.7           | 53.2 | 183 | 0.0 | 1.0 | 0.383 |              |              |              |
| 186                                                                                                                                                                                                                                                                                                                                                                                                                           | 174        | 184        | 0.0               | 1.0   | 0.949 | 86.6 | -51.6 | -5.3  | 52.0                        | 186               | 0.0 | 1.0   | 0.893 | 86.0 | -56.4             | 5.9   | 56.8 | 174 | 0.0 | 1.0 | 0.4                         | 0.0 | 1.0   | 0.94  | 86.5 | -52.6 | -3.6           | 52.8 | 184 | 0.0 | 1.0 | 0.4   |              |              |              |
| 187                                                                                                                                                                                                                                                                                                                                                                                                                           | 175        | 185        | 0.0               | 1.0   | 0.954 | 86.6 | -51.1 | -6.2  | 51.6                        | 187               | 0.0 | 1.0   | 0.898 | 86.0 | -56.1             | 4.9   | 56.4 | 175 | 0.0 | 1.0 | 0.417                       | 0.0 | 1.0   | 0.945 | 86.5 | -52.1 | -4.5           | 52.4 | 185 | 0.0 | 1.0 | 0.417 |              |              |              |
| 188                                                                                                                                                                                                                                                                                                                                                                                                                           | 176        | 186        | 0.0               | 1.0   | 0.959 | 86.6 | -50.6 | -7.0  | 51.2                        | 188               | 0.0 | 1.0   | 0.903 | 86.1 | -55.8             | 3.9   | 56.0 | 176 | 0.0 | 1.0 | 0.433                       | 0.0 | 1.0   | 0.949 | 86.6 | -51.6 | -5.3           | 52.0 | 186 | 0.0 | 1.0 | 0.433 |              |              |              |
| 189                                                                                                                                                                                                                                                                                                                                                                                                                           | 177        | 187        | 0.0               | 1.0   | 0.963 | 86.7 | -50.0 | -7.8  | 50.8                        | 189               | 0.0 | 1.0   | 0.907 | 86.1 | -55.4             | 2.9   | 55.6 | 177 | 0.0 | 1.0 | 0.45                        | 0.0 | 1.0   | 0.954 | 86.6 | -51.1 | -6.2           | 51.6 | 187 | 0.0 | 1.0 | 0.45  |              |              |              |
| 190                                                                                                                                                                                                                                                                                                                                                                                                                           | 178        | 188        | 0.0               | 1.0   | 0.968 | 86.7 | -49.5 | -8.6  | 50.4                        | 190               | 0.0 | 1.0   | 0.912 | 86.2 | -55.1             | 1.9   | 55.2 | 178 | 0.0 | 1.0 | 0.467                       | 0.0 | 1.0   | 0.959 | 86.6 | -50.6 | -7.0           | 51.2 | 188 | 0.0 | 1.0 | 0.467 |              |              |              |
| 191                                                                                                                                                                                                                                                                                                                                                                                                                           | 179        | 189        | 0.0               | 1.0   | 0.973 | 86.8 | -48.9 | -9.4  | 50.0                        | 191               | 0.0 | 1.0   | 0.917 | 86.2 | -54.7             | 1.0   | 54.8 | 179 | 0.0 | 1.0 | 0.483                       | 0.0 | 1.0   | 0.963 | 86.7 | -50.0 | -7.8           | 50.8 | 189 | 0.0 | 1.0 | 0.483 |              |              |              |
| 192                                                                                                                                                                                                                                                                                                                                                                                                                           | 180        | 190        | 0.0               | 1.0   | 0.977 | 86.8 | -48.4 | -10.2 | 49.6                        | 192               | 0.0 | 1.0   | 0.921 | 86.3 | -54.3             | 0.0   | 54.4 | 180 | 0.0 | 1.0 | 0.5                         | 0.0 | 1.0   | 0.968 | 86.7 | -49.5 | -8.6           | 50.4 | 190 | 0.0 | 1.0 | 0.5   |              |              |              |
| 193                                                                                                                                                                                                                                                                                                                                                                                                                           | 181        | 191        | 0.0               | 1.0   | 0.982 | 86.9 | -47.8 | -11.0 | 49.1                        | 193               | 0.0 | 1.0   | 0.926 | 86.3 | -53.9             | -0.8  | 54.0 | 181 | 0.0 | 1.0 | 0.517                       | 0.0 | 1.0   | 0.973 | 86.8 | -48.9 | -9.4           | 50.0 | 191 | 0.0 | 1.0 | 0.517 |              |              |              |
| 194                                                                                                                                                                                                                                                                                                                                                                                                                           | 182        | 191        | 0.0               | 1.0   | 0.987 | 86.9 | -47.2 | -11.7 | 48.7                        | 194               | 0.0 | 1.0   | 0.931 | 86.4 | -53.5             | -1.8  | 53.6 | 182 | 0.0 | 1.0 | 0.533                       | 0.0 | 1.0   | 0.973 | 86.8 | -48.9 | -9.4           | 50.0 | 191 | 0.0 | 1.0 | 0.533 |              |              |              |
| 195                                                                                                                                                                                                                                                                                                                                                                                                                           | 183        | 192        | 0.0               | 1.0   | 0.991 | 87.0 | -46.6 | -12.4 | 48.3                        | 195               | 0.0 | 1.0   | 0.935 | 86.4 | -53.0             | -2.7  | 53.2 | 183 | 0.0 | 1.0 | 0.55                        | 0.0 | 1.0   | 0.977 | 86.8 | -48.4 | -10.2          | 49.6 | 192 | 0.0 | 1.0 | 0.55  |              |              |              |
| 196                                                                                                                                                                                                                                                                                                                                                                                                                           | 184        | 193        | 0.0               | 1.0   | 0.996 | 87.0 | -46.0 | -13.1 | 47.9                        | 196C <sub>d</sub> | 0.0 | 1.0   | 0.94  | 86.5 | -52.6             | -3.6  | 52.8 | 184 | 0.0 | 1.0 | 0.567                       | 0.0 | 1.0   | 0.982 | 86.9 | -47.8 | -11.0          | 49.1 | 193 | 0.0 | 1.0 | 0.567 |              |              |              |
| 197                                                                                                                                                                                                                                                                                                                                                                                                                           | 185        | 194        | 0.0               | 1.0   | 1.0   | 87.0 | -45.4 | -13.8 | 47.6                        | 197               | 0.0 | 1.0   | 0.945 | 86.5 | -52.1             | -4.5  | 52.4 | 185 | 0.0 | 1.0 | 0.583                       | 0.0 | 1.0   | 0.987 | 86.9 | -47.2 | -11.7          | 48.7 | 194 | 0.0 | 1.0 | 0.583 |              |              |              |
| 198                                                                                                                                                                                                                                                                                                                                                                                                                           | 186        | 195        | 0.0               | 0.996 | 1.0   | 86.7 | -45.0 | -14.6 | 47.4                        | 198               | 0.0 | 1.0   | 0.949 | 86.6 | -51.6             | -5.3  | 52.0 | 186 | 0.0 | 1.0 | 0.6                         | 0.0 | 1.0   | 0.991 | 87.0 | -46.6 | -12.4          | 48.3 | 195 | 0.0 | 1.0 | 0.6   |              |              |              |
| 199                                                                                                                                                                                                                                                                                                                                                                                                                           | 187        | 196        | 0.0               | 0.992 | 1.0   | 86.3 | -44.6 | -15.3 | 47.3                        | 199               | 0.0 | 1.0   | 0.954 | 86.6 | -51.1             | -6.2  | 51.6 | 187 | 0.0 | 1.0 | 0.617                       | 0.0 | 1.0   | 0.996 | 87.0 | -46.0 | -13.1          | 47.9 | 196 | 0.0 | 1.0 | 0.617 |              |              |              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                           | 188        | 197        | 0.0               | 0.988 | 1.0   | 86.0 | -44.2 | -16.0 | 47.2                        | 200               | 0.0 | 1.0   | 0.959 | 86.6 | -50.6             | -7.0  | 51.2 | 188 | 0.0 | 1.0 | 0.633                       | 0.0 | 1.0   | 1.0   | 87.0 | -45.4 | -13.8          | 47.6 | 197 | 0.0 | 1.0 | 0.633 |              |              |              |
| 201                                                                                                                                                                                                                                                                                                                                                                                                                           | 189        | 198        | 0.0               | 0.985 | 1.0   | 85.6 | -43.8 | -16.8 | 47.0                        | 201               | 0.0 | 1.0   | 0.963 | 86.7 | -50.0             | -7.8  | 50.8 | 189 | 0.0 | 1.0 | 0.65                        | 0.0 | 0.996 | 1.0   | 86.7 | -45.0 | -14.6          | 47.4 | 198 | 0.0 | 1.0 | 0.65  |              |              |              |
| 202                                                                                                                                                                                                                                                                                                                                                                                                                           | 190        | 199        | 0.0               | 0.981 | 1.0   | 85.2 | -43.4 | -17.5 | 46.9                        | 202               | 0.0 | 1.0   | 0.968 | 86.7 | -49.5             | -8.6  | 50.4 | 190 | 0.0 | 1.0 | 0.667                       | 0.0 | 0.992 | 1.0   | 86.3 | -44.6 | -15.3          | 47.3 | 199 | 0.0 | 1.0 | 0.667 |              |              |              |
| 203                                                                                                                                                                                                                                                                                                                                                                                                                           | 191        | 200        | 0.0               | 0.977 | 1.0   | 84.9 | -42.9 | -18.2 | 46.8                        | 203               | 0.0 | 1.0   | 0.973 | 86.8 | -48.9             | -9.4  | 50.0 | 191 | 0.0 | 1.0 | 0.683                       | 0.0 | 0.988 | 1.0   | 86.0 | -44.2 | -16.0          | 47.2 | 200 | 0.0 | 1.0 | 0.683 |              |              |              |
| 204                                                                                                                                                                                                                                                                                                                                                                                                                           | 192        | 201        | 0.0               | 0.973 | 1.0   | 84.5 | -42.5 | -18.9 | 46.6                        | 204               | 0.0 | 1.0   | 0.977 | 86.8 | -48.4             | -10.2 | 49.6 | 192 | 0.0 | 1.0 | 0.7                         | 0.0 | 0.985 | 1.0   | 85.6 | -43.8 | -16.8          | 47.0 | 201 | 0.0 | 1.0 | 0.7   |              |              |              |
| 205                                                                                                                                                                                                                                                                                                                                                                                                                           | 193        | 201        | 0.0               | 0.97  | 1.0   | 84.2 | -42.0 | -19.5 | 46.5                        | 205               | 0.0 | 1.0   | 0.982 | 86.9 | -47.8             | -11.0 | 49.1 | 193 | 0.0 | 1.0 | 0.717                       | 0.0 | 0.985 | 1.0   | 85.6 | -43.8 | -16.8          | 47.0 | 201 | 0.0 | 1.0 | 0.717 |              |              |              |
| 206                                                                                                                                                                                                                                                                                                                                                                                                                           | 194        | 202        | 0.0               | 0.966 | 1.0   | 83.8 | -41.6 | -20.2 | 46.3                        | 206               | 0.0 | 1.0   | 0.987 | 86.9 | -47.2             | -11.7 | 48.7 | 194 | 0.0 | 1.0 | 0.733                       | 0.0 | 0.981 | 1.0   | 85.2 | -43.4 | -17.5          | 46.9 | 202 | 0.0 | 1.0 | 0.733 |              |              |              |
| 207                                                                                                                                                                                                                                                                                                                                                                                                                           | 195        | 203        | 0.0               | 0.962 | 1.0   | 83.5 | -41.1 | -20.9 | 46.2                        | 207               | 0.0 | 1.0   | 0.991 | 87.0 | -46.6             | -12.4 | 48.3 | 195 | 0.0 | 1.0 | 0.75                        | 0.0 | 0.977 | 1.0   | 84.9 | -42.9 | -18.2          | 46.8 | 203 | 0.0 | 1.0 | 0.75  |              |              |              |
| 208                                                                                                                                                                                                                                                                                                                                                                                                                           | 196        | 204        | 0.0               | 0.958 | 1.0   | 83.1 | -40.6 | -21.5 | 46.1                        | 208               | 0.0 | 1.0   | 0.996 | 87.0 | -46.0             | -13.1 | 47.9 | 196 | 0.0 | 1.0 | 0.767                       | 0.0 | 0.973 | 1.0   | 84.5 | -42.5 | -18.9          | 46.6 | 204 | 0.0 | 1.0 | 0.767 |              |              |              |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                           | 197        | 205        | 0.0               | 0.955 | 1.0   | 82.8 | -40.1 | -22.2 | 45.9                        | 209               | 0.0 | 1.0   | 1.0   | 87.0 | -45.4             | -13.8 | 47.6 | 197 | 0.0 | 1.0 | 0.783                       | 0.0 | 0.97  | 1.0   | 84.2 | -42.0 | -19.5          | 46.5 | 205 | 0.0 | 1.0 | 0.783 |              |              |              |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                           | 198        | 206        | 0.0               | 0.951 | 1.0   | 82.4 | -39.6 | -22.8 | 45.8                        | 210               | 0.0 | 0.996 | 1.0   | 86.7 | -45.0             | -14.6 | 47.4 | 198 | 0.0 | 1.0 | 0.8                         | 0.0 | 0.966 | 1.0   | 83.8 | -41.6 | -20.2          | 46.3 | 206 | 0.0 | 1.0 | 0.8   |              |              |              |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                           | 199        | 207        | 0.0               | 0.947 | 1.0   | 82.0 | -39.0 | -23.4 | 45.7                        | 211               | 0.0 | 0.992 | 1.0   | 86.3 | -44.6             | -15.3 | 47.3 | 199 | 0.0 | 1.0 | 0.817                       | 0.0 | 0.962 | 1.0   | 83.5 | -41.1 | -20.9          | 46.2 | 207 | 0.0 | 1.0 | 0.817 |              |              |              |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                           | 200        | 208        | 0.0               | 0.944 | 1.0   | 81.7 | -38.5 | -24.0 | 45.5                        | 212               | 0.0 | 0.988 | 1.0   | 86.0 | -44.2             | -16.0 | 47.2 | 200 | 0.0 | 1.0 | 0.833                       | 0.0 | 0.958 | 1.0   | 83.1 | -40.6 | -21.5          | 46.1 | 208 | 0.0 | 1.0 | 0.833 |              |              |              |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                           | 201        | 209        | 0.0               | 0.94  | 1.0   | 81.3 | -38.0 | -24.6 | 45.4                        | 213               | 0.0 | 0.985 | 1.0   | 85.6 | -43.8             | -16.8 | 47.0 | 201 | 0.0 | 1.0 | 0.85                        | 0.0 | 0.955 | 1.0   | 82.8 | -40.1 | -22.2          | 45.9 | 209 | 0.0 | 1.0 | 0.85  |              |              |              |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                           | 202        | 210        | 0.0               | 0.936 | 1.0   | 81.0 | -37.4 | -25.2 | 45.3                        | 214               | 0.0 | 0.981 | 1.0   | 85.2 | -43.4             | -17.5 | 46.9 | 202 | 0.0 | 1.0 | 0.867                       | 0.0 | 0.951 | 1.0   | 82.4 | -39.6 | -22.8          | 45.8 | 210 | 0.0 | 1.0 | 0.867 |              |              |              |
| 215                                                                                                                                                                                                                                                                                                                                                                                                                           | 203        | 211        | 0.0               | 0.932 | 1.0   | 80.6 | -36.9 | -25.8 |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |

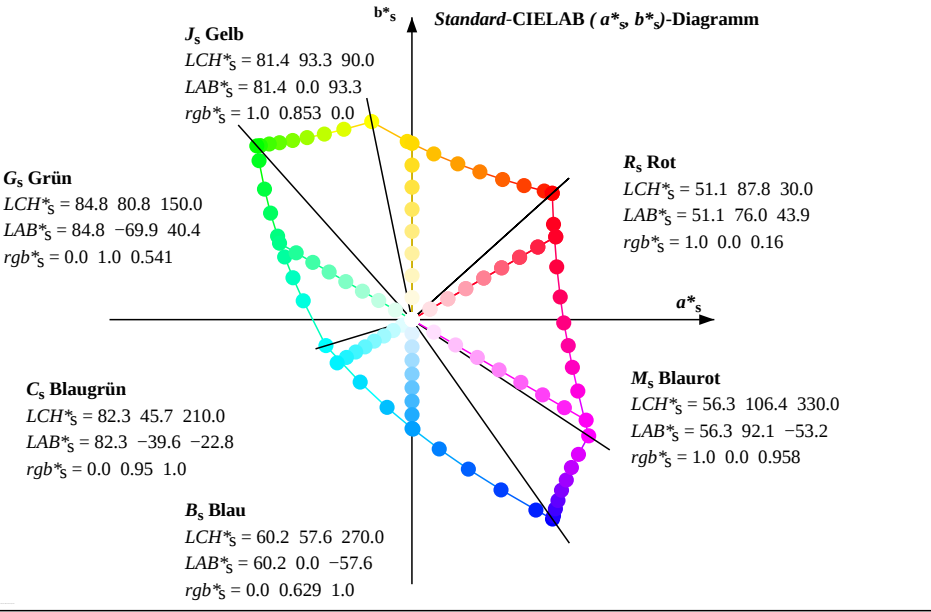
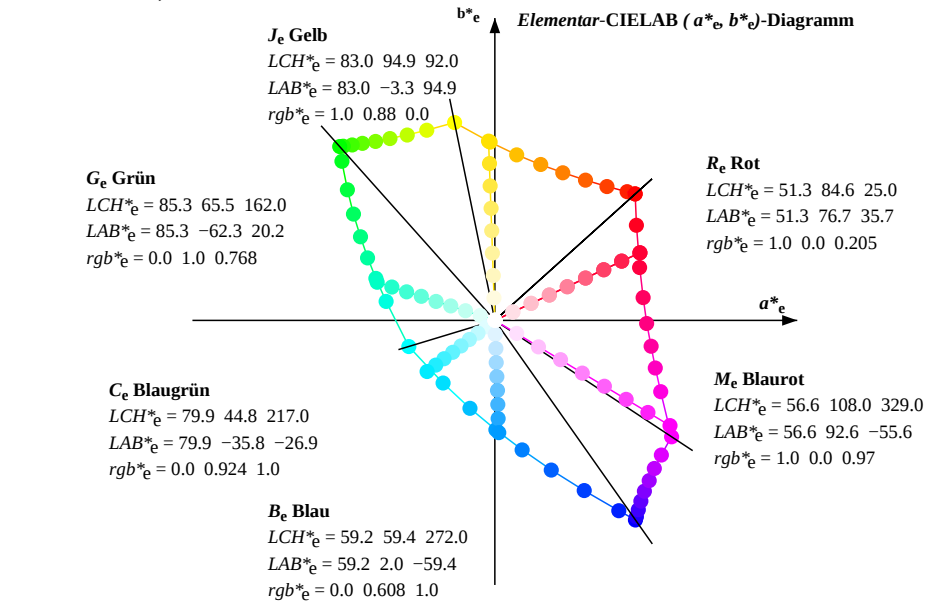
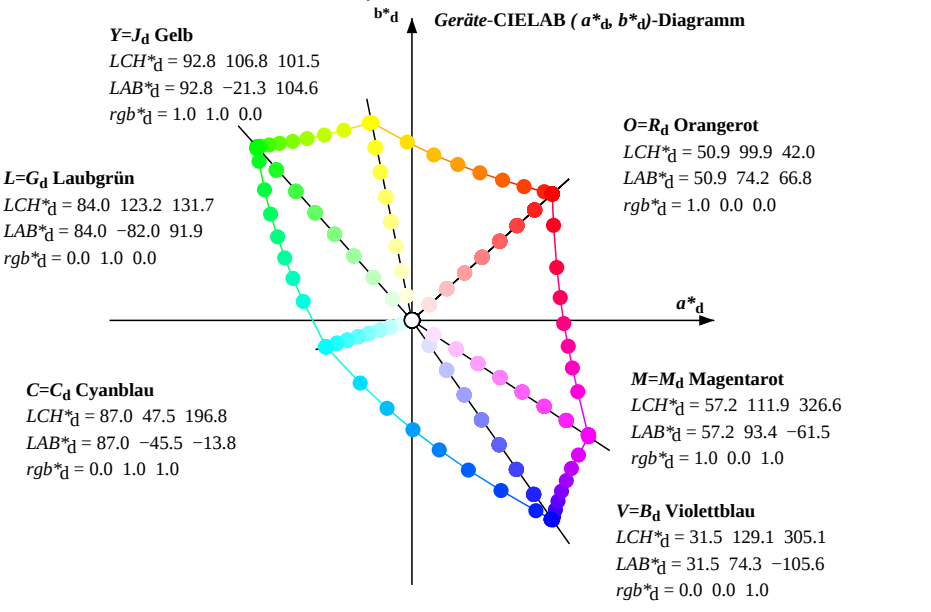
| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 151.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |              |       |     |              |       |       |              |     |     |              |     |      |                |       |      |              |     |       |              |       |     |                |     |      |              |       |      |     |     |       |     |       |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------|-------|-----|--------------|-------|-------|--------------|-----|-----|--------------|-----|------|----------------|-------|------|--------------|-----|-------|--------------|-------|-----|----------------|-----|------|--------------|-------|------|-----|-----|-------|-----|-------|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                             | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ds}$ |       |     | $LAB^*_{ds}$ |       |       | $rgb^*_{ds}$ |     |     | $LAB^*_{ds}$ |     |      | $rgb^*_{s50M}$ |       |      | $rgb^*_{de}$ |     |       | $LAB^*_{de}$ |       |     | $rgb^*_{e50M}$ |     |      | $rgb^*_{de}$ |       |      |     |     |       |     |       |  |  |  |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                    | 210        | 217        | 0.0          | 0.906 | 1.0 | 78.1         | -32.7 | -29.5 | 44.2         | 222 | 0.0 | 0.951        | 1.0 | 82.4 | -39.6          | -22.8 | 45.8 | 210          | 0.0 | 1.0   | 1.0          | $C_s$ | 0.0 | 0.925          | 1.0 | 79.9 | -35.7        | -26.9 | 44.8 | 217 | 0.0 | 1.0   | 1.0 | $C_e$ |  |  |  |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                    | 211        | 218        | 0.0          | 0.902 | 1.0 | 77.8         | -32.1 | -29.9 | 44.0         | 223 | 0.0 | 0.947        | 1.0 | 82.0 | -39.0          | -23.4 | 45.7 | 211          | 0.0 | 0.983 | 1.0          |       | 0.0 | 0.921          | 1.0 | 79.5 | -35.1        | -27.4 | 44.7 | 218 | 0.0 | 0.983 | 1.0 |       |  |  |  |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                    | 212        | 219        | 0.0          | 0.899 | 1.0 | 77.4         | -31.5 | -30.4 | 43.9         | 224 | 0.0 | 0.944        | 1.0 | 81.7 | -38.5          | -24.0 | 45.5 | 212          | 0.0 | 0.967 | 1.0          |       | 0.0 | 0.917          | 1.0 | 79.2 | -34.5        | -27.9 | 44.6 | 219 | 0.0 | 0.967 | 1.0 |       |  |  |  |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                    | 213        | 220        | 0.0          | 0.895 | 1.0 | 77.1         | -30.8 | -30.8 | 43.8         | 225 | 0.0 | 0.94         | 1.0 | 81.3 | -38.0          | -24.6 | 45.4 | 213          | 0.0 | 0.95  | 1.0          |       | 0.0 | 0.914          | 1.0 | 78.8 | -33.9        | -28.5 | 44.4 | 220 | 0.0 | 0.95  | 1.0 |       |  |  |  |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                    | 214        | 221        | 0.0          | 0.891 | 1.0 | 76.7         | -30.2 | -31.3 | 43.6         | 226 | 0.0 | 0.936        | 1.0 | 81.0 | -37.4          | -25.2 | 45.3 | 214          | 0.0 | 0.933 | 1.0          |       | 0.0 | 0.91           | 1.0 | 78.5 | -33.3        | -29.0 | 44.3 | 221 | 0.0 | 0.933 | 1.0 |       |  |  |  |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                    | 215        | 222        | 0.0          | 0.887 | 1.0 | 76.3         | -29.6 | -31.7 | 43.5         | 227 | 0.0 | 0.932        | 1.0 | 80.6 | -36.9          | -25.8 | 45.1 | 215          | 0.0 | 0.917 | 1.0          |       | 0.0 | 0.906          | 1.0 | 78.1 | -32.7        | -29.5 | 44.2 | 222 | 0.0 | 0.917 | 1.0 |       |  |  |  |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                    | 216        | 222        | 0.0          | 0.884 | 1.0 | 76.0         | -28.9 | -32.1 | 43.3         | 228 | 0.0 | 0.929        | 1.0 | 80.3 | -36.3          | -26.3 | 45.0 | 216          | 0.0 | 0.9   | 1.0          |       | 0.0 | 0.906          | 1.0 | 78.1 | -32.7        | -29.5 | 44.2 | 222 | 0.0 | 0.9   | 1.0 |       |  |  |  |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                    | 217        | 223        | 0.0          | 0.88  | 1.0 | 75.6         | -28.2 | -32.5 | 43.2         | 229 | 0.0 | 0.925        | 1.0 | 79.9 | -35.7          | -26.9 | 44.8 | 217          | 0.0 | 0.883 | 1.0          |       | 0.0 | 0.902          | 1.0 | 77.8 | -32.1        | -29.9 | 44.0 | 223 | 0.0 | 0.883 | 1.0 |       |  |  |  |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                    | 218        | 224        | 0.0          | 0.876 | 1.0 | 75.3         | -27.6 | -32.9 | 43.1         | 230 | 0.0 | 0.921        | 1.0 | 79.5 | -35.1          | -27.4 | 44.7 | 218          | 0.0 | 0.867 | 1.0          |       | 0.0 | 0.899          | 1.0 | 77.4 | -31.5        | -30.4 | 43.9 | 224 | 0.0 | 0.867 | 1.0 |       |  |  |  |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                    | 219        | 225        | 0.0          | 0.872 | 1.0 | 74.9         | -27.1 | -33.5 | 43.2         | 231 | 0.0 | 0.917        | 1.0 | 79.2 | -34.5          | -27.9 | 44.6 | 219          | 0.0 | 0.85  | 1.0          |       | 0.0 | 0.895          | 1.0 | 77.1 | -30.8        | -30.8 | 43.8 | 225 | 0.0 | 0.85  | 1.0 |       |  |  |  |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                    | 220        | 226        | 0.0          | 0.866 | 1.0 | 74.6         | -26.6 | -34.1 | 43.4         | 232 | 0.0 | 0.914        | 1.0 | 78.8 | -33.9          | -28.5 | 44.4 | 220          | 0.0 | 0.833 | 1.0          |       | 0.0 | 0.891          | 1.0 | 76.7 | -30.2        | -31.3 | 43.6 | 226 | 0.0 | 0.833 | 1.0 |       |  |  |  |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                    | 221        | 227        | 0.0          | 0.861 | 1.0 | 74.2         | -26.1 | -34.7 | 43.6         | 233 | 0.0 | 0.91         | 1.0 | 78.5 | -33.3          | -29.0 | 44.3 | 221          | 0.0 | 0.817 | 1.0          |       | 0.0 | 0.887          | 1.0 | 76.3 | -29.6        | -31.7 | 43.5 | 227 | 0.0 | 0.817 | 1.0 |       |  |  |  |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                    | 222        | 228        | 0.0          | 0.856 | 1.0 | 73.9         | -25.7 | -35.4 | 43.8         | 234 | 0.0 | 0.906        | 1.0 | 78.1 | -32.7          | -29.5 | 44.2 | 222          | 0.0 | 0.8   | 1.0          |       | 0.0 | 0.884          | 1.0 | 76.0 | -28.9        | -32.1 | 43.3 | 228 | 0.0 | 0.8   | 1.0 |       |  |  |  |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                    | 223        | 229        | 0.0          | 0.85  | 1.0 | 73.6         | -25.2 | -36.0 | 44.1         | 235 | 0.0 | 0.902        | 1.0 | 77.8 | -32.1          | -29.9 | 44.0 | 223          | 0.0 | 0.783 | 1.0          |       | 0.0 | 0.88           | 1.0 | 75.6 | -28.2        | -32.5 | 43.2 | 229 | 0.0 | 0.783 | 1.0 |       |  |  |  |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                    | 224        | 230        | 0.0          | 0.845 | 1.0 | 73.2         | -24.7 | -36.6 | 44.3         | 236 | 0.0 | 0.899        | 1.0 | 77.4 | -31.5          | -30.4 | 43.9 | 224          | 0.0 | 0.767 | 1.0          |       | 0.0 | 0.876          | 1.0 | 75.3 | -27.6        | -32.9 | 43.1 | 230 | 0.0 | 0.767 | 1.0 |       |  |  |  |
| 237                                                                                                                                                                                                                                                                                                                                                                                                                    | 225        | 231        | 0.0          | 0.84  | 1.0 | 72.9         | -24.1 | -37.2 | 44.5         | 237 | 0.0 | 0.895        | 1.0 | 77.1 | -30.8          | -30.8 | 43.8 | 225          | 0.0 | 0.75  | 1.0          |       | 0.0 | 0.872          | 1.0 | 74.9 | -27.1        | -33.5 | 43.2 | 231 | 0.0 | 0.75  | 1.0 |       |  |  |  |
| 238                                                                                                                                                                                                                                                                                                                                                                                                                    | 226        | 232        | 0.0          | 0.835 | 1.0 | 72.5         | -23.6 | -37.8 | 44.7         | 238 | 0.0 | 0.891        | 1.0 | 76.7 | -30.2          | -31.3 | 43.6 | 226          | 0.0 | 0.733 | 1.0          |       | 0.0 | 0.866          | 1.0 | 74.6 | -26.6        | -34.1 | 43.4 | 232 | 0.0 | 0.733 | 1.0 |       |  |  |  |
| 239                                                                                                                                                                                                                                                                                                                                                                                                                    | 227        | 232        | 0.0          | 0.829 | 1.0 | 72.2         | -23.0 | -38.4 | 44.9         | 239 | 0.0 | 0.887        | 1.0 | 76.3 | -29.6          | -31.7 | 43.5 | 227          | 0.0 | 0.717 | 1.0          |       | 0.0 | 0.866          | 1.0 | 74.6 | -26.6        | -34.1 | 43.4 | 232 | 0.0 | 0.717 | 1.0 |       |  |  |  |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                    | 228        | 233        | 0.0          | 0.824 | 1.0 | 71.8         | -22.5 | -39.0 | 45.2         | 240 | 0.0 | 0.884        | 1.0 | 76.0 | -28.9          | -32.1 | 43.3 | 228          | 0.0 | 0.7   | 1.0          |       | 0.0 | 0.861          | 1.0 | 74.2 | -26.1        | -34.7 | 43.6 | 233 | 0.0 | 0.7   | 1.0 |       |  |  |  |
| 241                                                                                                                                                                                                                                                                                                                                                                                                                    | 229        | 234        | 0.0          | 0.819 | 1.0 | 71.5         | -21.9 | -39.6 | 45.4         | 241 | 0.0 | 0.88         | 1.0 | 75.6 | -28.2          | -32.5 | 43.2 | 229          | 0.0 | 0.683 | 1.0          |       | 0.0 | 0.856          | 1.0 | 73.9 | -25.7        | -35.4 | 43.8 | 234 | 0.0 | 0.683 | 1.0 |       |  |  |  |
| 242                                                                                                                                                                                                                                                                                                                                                                                                                    | 230        | 235        | 0.0          | 0.814 | 1.0 | 71.2         | -21.3 | -40.2 | 45.6         | 242 | 0.0 | 0.876        | 1.0 | 75.3 | -27.6          | -32.9 | 43.1 | 230          | 0.0 | 0.667 | 1.0          |       | 0.0 | 0.85           | 1.0 | 73.6 | -25.2        | -36.0 | 44.1 | 235 | 0.0 | 0.667 | 1.0 |       |  |  |  |
| 243                                                                                                                                                                                                                                                                                                                                                                                                                    | 231        | 236        | 0.0          | 0.808 | 1.0 | 70.8         | -20.7 | -40.7 | 45.8         | 243 | 0.0 | 0.872        | 1.0 | 74.9 | -27.1          | -33.5 | 43.2 | 231          | 0.0 | 0.65  | 1.0          |       | 0.0 | 0.845          | 1.0 | 73.2 | -24.7        | -36.6 | 44.3 | 236 | 0.0 | 0.65  | 1.0 |       |  |  |  |
| 244                                                                                                                                                                                                                                                                                                                                                                                                                    | 232        | 237        | 0.0          | 0.803 | 1.0 | 70.5         | -20.1 | -41.3 | 46.1         | 244 | 0.0 | 0.866        | 1.0 | 74.6 | -26.6          | -34.1 | 43.4 | 232          | 0.0 | 0.633 | 1.0          |       | 0.0 | 0.84           | 1.0 | 72.9 | -24.1        | -37.2 | 44.5 | 237 | 0.0 | 0.633 | 1.0 |       |  |  |  |
| 245                                                                                                                                                                                                                                                                                                                                                                                                                    | 233        | 238        | 0.0          | 0.798 | 1.0 | 70.1         | -19.5 | -41.8 | 46.3         | 245 | 0.0 | 0.861        | 1.0 | 74.2 | -26.1          | -34.7 | 43.6 | 233          | 0.0 | 0.617 | 1.0          |       | 0.0 | 0.835          | 1.0 | 72.5 | -23.6        | -37.8 | 44.7 | 238 | 0.0 | 0.617 | 1.0 |       |  |  |  |
| 246                                                                                                                                                                                                                                                                                                                                                                                                                    | 234        | 239        | 0.0          | 0.793 | 1.0 | 69.8         | -18.8 | -42.4 | 46.5         | 246 | 0.0 | 0.856        | 1.0 | 73.9 | -25.7          | -35.4 | 43.8 | 234          | 0.0 | 0.6   | 1.0          |       | 0.0 | 0.829          | 1.0 | 72.2 | -23.0        | -38.4 | 44.9 | 239 | 0.0 | 0.6   | 1.0 |       |  |  |  |
| 247                                                                                                                                                                                                                                                                                                                                                                                                                    | 235        | 240        | 0.0          | 0.787 | 1.0 | 69.4         | -18.2 | -42.9 | 46.7         | 247 | 0.0 | 0.85         | 1.0 | 73.6 | -25.2          | -36.0 | 44.1 | 235          | 0.0 | 0.583 | 1.0          |       | 0.0 | 0.824          | 1.0 | 71.8 | -22.5        | -39.0 | 45.2 | 240 | 0.0 | 0.583 | 1.0 |       |  |  |  |
| 248                                                                                                                                                                                                                                                                                                                                                                                                                    | 236        | 241        | 0.0          | 0.782 | 1.0 | 69.1         | -17.5 | -43.4 | 46.9         | 248 | 0.0 | 0.845        | 1.0 | 73.2 | -24.7          | -36.6 | 44.3 | 236          | 0.0 | 0.567 | 1.0          |       | 0.0 | 0.819          | 1.0 | 71.5 | -21.9        | -39.6 | 45.4 | 241 | 0.0 | 0.567 | 1.0 |       |  |  |  |
| 249                                                                                                                                                                                                                                                                                                                                                                                                                    | 237        | 242        | 0.0          | 0.777 | 1.0 | 68.8         | -16.8 | -43.9 | 47.2         | 249 | 0.0 | 0.84         | 1.0 | 72.9 | -24.1          | -37.2 | 44.5 | 237          | 0.0 | 0.55  | 1.0          |       | 0.0 | 0.814          | 1.0 | 71.2 | -21.3        | -40.2 | 45.6 | 242 | 0.0 | 0.55  | 1.0 |       |  |  |  |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                    | 238        | 243        | 0.0          | 0.772 | 1.0 | 68.4         | -16.1 | -44.4 | 47.4         | 250 | 0.0 | 0.835        | 1.0 | 72.5 | -23.6          | -37.8 | 44.7 | 238          | 0.0 | 0.533 | 1.0          |       | 0.0 | 0.808          | 1.0 | 70.8 | -20.7        | -40.7 | 45.8 | 243 | 0.0 | 0.533 | 1.0 |       |  |  |  |
| 251                                                                                                                                                                                                                                                                                                                                                                                                                    | 239        | 243        | 0.0          | 0.766 | 1.0 | 68.1         | -15.4 | -44.9 | 47.6         | 251 | 0.0 | 0.829        | 1.0 | 72.2 | -23.0          | -38.4 | 44.9 | 239          | 0.0 | 0.517 | 1.0          |       | 0.0 | 0.808          | 1.0 | 70.8 | -20.7        | -40.7 | 45.8 | 243 | 0.0 | 0.517 | 1.0 |       |  |  |  |
| 252                                                                                                                                                                                                                                                                                                                                                                                                                    | 240        | 244        | 0.0          | 0.761 | 1.0 | 67.7         | -14.7 | -45.4 | 47.8         | 252 | 0.0 | 0.824        | 1.0 | 71.8 | -22.5          | -39.0 | 45.2 | 240          | 0.0 | 0.5   | 1.0          |       | 0.0 | 0.803          | 1.0 | 70.5 | -20.1        | -41.3 | 46.1 | 244 | 0.0 | 0.5   | 1.0 |       |  |  |  |
| 253                                                                                                                                                                                                                                                                                                                                                                                                                    | 241        | 245        | 0.0          | 0.756 | 1.0 | 67.4         | -13.9 | -45.8 | 48.0         | 253 | 0.0 | 0.819        | 1.0 | 71.5 | -21.9          | -39.6 | 45.4 | 241          | 0.0 | 0.483 | 1.0          |       | 0.0 | 0.798          | 1.0 | 70.1 | -19.5        | -41.8 | 46.3 | 245 | 0.0 | 0.483 | 1.0 |       |  |  |  |
| 254                                                                                                                                                                                                                                                                                                                                                                                                                    | 242        | 246        | 0.0          | 0.75  | 1.0 | 67.0         | -13.2 | -46.3 | 48.3         | 254 | 0.0 | 0.814        | 1.0 | 71.2 | -21.3          | -40.2 | 45.6 | 242          | 0.0 | 0.467 | 1.0          |       | 0.0 | 0.793          | 1.0 | 69.8 | -18.8        | -42.4 | 46.5 | 246 | 0.0 | 0.467 | 1.0 |       |  |  |  |
| 255                                                                                                                                                                                                                                                                                                                                                                                                                    | 243        | 247        | 0.0          | 0.743 | 1.0 | 66.6         | -12.5 | -47.1 | 48.8         | 255 | 0.0 | 0.808        | 1.0 | 70.8 | -20.7          | -40.7 | 45.8 | 243          | 0.0 | 0.45  | 1.0          |       | 0.0 | 0.787          | 1.0 | 69.4 | -18.2        | -42.9 | 46.7 | 247 | 0.0 | 0.45  | 1.0 |       |  |  |  |
| 256                                                                                                                                                                                                                                                                                                                                                                                                                    | 244        | 248        | 0.0          | 0.735 | 1.0 | 66.2         | -11.9 | -47.8 | 49.4         | 256 | 0.0 | 0.803        | 1.0 | 70.5 | -20.1          | -41.3 | 46.1 | 244          | 0.0 | 0.433 | 1.0          |       | 0.0 | 0.782          | 1.0 | 69.1 | -17.5        | -43.4 | 46.9 | 248 | 0.0 | 0.433 | 1.0 |       |  |  |  |
| 257                                                                                                                                                                                                                                                                                                                                                                                                                    | 245        | 249        | 0.0          | 0.728 | 1.0 | 65.8         | -11.1 | -48.6 | 50.0         | 257 | 0.0 | 0.798        | 1.0 | 70.1 | -19.5          | -41.8 | 46.3 | 245          | 0.0 | 0.417 | 1.0          |       | 0.0 | 0.777          | 1.0 | 68.8 | -16.8        | -43.9 | 47.2 | 249 | 0.0 | 0.417 | 1.0 |       |  |  |  |
| 258                                                                                                                                                                                                                                                                                                                                                                                                                    | 246        | 250        | 0.0          | 0.72  | 1.0 | 65.3         | -10.4 | -49.4 | 50.6         | 258 | 0.0 | 0.793        | 1.0 | 69.8 | -18.8          | -42.4 | 46.5 | 246          | 0.0 | 0.4   | 1.0          |       | 0.0 | 0.772          | 1.0 | 68.4 | -16.1        | -44.4 | 47.4 | 250 | 0.0 | 0.4   | 1.0 |       |  |  |  |
| 259                                                                                                                                                                                                                                                                                                                                                                                                                    | 247        | 251        | 0.0          | 0.713 | 1.0 |              |       |       |              |     |     |              |     |      |                |       |      |              |     |       |              |       |     |                |     |      |              |       |      |     |     |       |     |       |  |  |  |



| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                          |     |       |      |      |       |                                    |                   |       |       |       |      |                          |             |       |       |       |     |                                    |       |       |       |      |             |                        |       |     |       |     |                   |                     |                     |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------------------|-----|-------|------|------|-------|------------------------------------|-------------------|-------|-------|-------|------|--------------------------|-------------|-------|-------|-------|-----|------------------------------------|-------|-------|-------|------|-------------|------------------------|-------|-----|-------|-----|-------------------|---------------------|---------------------|---------------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{\text{d}}d361Mi$ |     |       |      |      |       | $LAB^*_{\text{d}}d361Mix(x=LabCh)$ |                   |       |       |       |      | $rgb^*_{\text{s}}s361Mi$ |             |       |       |       |     | $LAB^*_{\text{s}}s361Mix(x=LabCh)$ |       |       |       |      |             | $rgb^*_{\text{e}}e50M$ |       |     |       |     |                   | $rgb^*_{\text{d}}d$ | $rgb^*_{\text{s}}s$ | $rgb^*_{\text{e}}e$ |
| 312                                                                                                                                                                                                                                                                                                                                                                                                                            | 300        | 300        | 0.537                    | 0.0 | 1.0   | 41.3 | 79.9 | -88.6 | 119.4                              | 312               | 0.0   | 0.196 | 1.0   | 38.0 | 54.8                     | -94.9       | 109.6 | 300   | 0.5   | 0.0 | 1.0                                | 0.0   | 0.196 | 1.0   | 38.0 | 54.8        | -94.9                  | 109.6 | 300 | 0.5   | 0.0 | 1.0               |                     |                     |                     |
| 313                                                                                                                                                                                                                                                                                                                                                                                                                            | 301        | 301        | 0.584                    | 0.0 | 1.0   | 42.5 | 80.8 | -86.6 | 118.5                              | 313               | 0.0   | 0.173 | 1.0   | 36.8 | 58.2                     | -96.8       | 113.1 | 301   | 0.517 | 0.0 | 1.0                                | 0.0   | 0.173 | 1.0   | 36.8 | 58.2        | -96.8                  | 113.1 | 301 | 0.517 | 0.0 | 1.0               |                     |                     |                     |
| 314                                                                                                                                                                                                                                                                                                                                                                                                                            | 302        | 302        | 0.629                    | 0.0 | 1.0   | 43.7 | 81.7 | -84.5 | 117.7                              | 314               | 0.0   | 0.15  | 1.0   | 35.7 | 61.7                     | -98.7       | 116.5 | 302   | 0.533 | 0.0 | 1.0                                | 0.0   | 0.15  | 1.0   | 35.7 | 61.7        | -98.7                  | 116.5 | 302 | 0.533 | 0.0 | 1.0               |                     |                     |                     |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                            | 303        | 303        | 0.668                    | 0.0 | 1.0   | 44.9 | 82.6 | -82.5 | 116.9                              | 315               | 0.0   | 0.127 | 1.0   | 34.5 | 65.3                     | -100.5119.9 | 303   | 0.55  | 0.0   | 1.0 | 0.0                                | 0.127 | 1.0   | 34.5  | 65.3 | -100.5119.9 | 303                    | 0.55  | 0.0 | 1.0   |     |                   |                     |                     |                     |
| 316                                                                                                                                                                                                                                                                                                                                                                                                                            | 304        | 304        | 0.706                    | 0.0 | 1.0   | 46.0 | 83.5 | -80.5 | 116.1                              | 316               | 0.0   | 0.07  | 1.0   | 33.1 | 69.4                     | -102.8124.2 | 304   | 0.567 | 0.0   | 1.0 | 0.0                                | 0.07  | 1.0   | 33.1  | 69.4 | -102.8124.2 | 304                    | 0.567 | 0.0 | 1.0   |     |                   |                     |                     |                     |
| 317                                                                                                                                                                                                                                                                                                                                                                                                                            | 305        | 305        | 0.744                    | 0.0 | 1.0   | 47.2 | 84.3 | -78.5 | 115.3                              | 317               | 0.0   | 0.01  | 1.0   | 31.8 | 73.7                     | -105.1128.5 | 305   | 0.583 | 0.0   | 1.0 | 0.0                                | 0.01  | 1.0   | 31.8  | 73.7 | -105.1128.5 | 305                    | 0.583 | 0.0 | 1.0   |     |                   |                     |                     |                     |
| 318                                                                                                                                                                                                                                                                                                                                                                                                                            | 306        | 306        | 0.777                    | 0.0 | 1.0   | 48.3 | 85.3 | -76.7 | 114.8                              | 318               | 0.146 | 0.0   | 1.0   | 32.8 | 75.0                     | -103.2127.7 | 306   | 0.6   | 0.0   | 1.0 | 0.146                              | 0.0   | 1.0   | 32.8  | 75.0 | -103.2127.7 | 306                    | 0.6   | 0.0 | 1.0   |     |                   |                     |                     |                     |
| 319                                                                                                                                                                                                                                                                                                                                                                                                                            | 307        | 307        | 0.81                     | 0.0 | 1.0   | 49.4 | 86.2 | -74.9 | 114.3                              | 319               | 0.235 | 0.0   | 1.0   | 34.4 | 75.8                     | -100.5126.0 | 307   | 0.617 | 0.0   | 1.0 | 0.235                              | 0.0   | 1.0   | 34.4  | 75.8 | -100.5126.0 | 307                    | 0.617 | 0.0 | 1.0   |     |                   |                     |                     |                     |
| 320                                                                                                                                                                                                                                                                                                                                                                                                                            | 308        | 308        | 0.842                    | 0.0 | 1.0   | 50.5 | 87.2 | -73.0 | 113.8                              | 320               | 0.309 | 0.0   | 1.0   | 35.9 | 76.6                     | -97.9       | 124.4 | 308   | 0.633 | 0.0 | 1.0                                | 0.309 | 0.0   | 1.0   | 35.9 | 76.6        | -97.9                  | 124.4 | 308 | 0.633 | 0.0 | 1.0               |                     |                     |                     |
| 321                                                                                                                                                                                                                                                                                                                                                                                                                            | 309        | 309        | 0.875                    | 0.0 | 1.0   | 51.6 | 88.0 | -71.2 | 113.3                              | 321               | 0.378 | 0.0   | 1.0   | 37.3 | 77.4                     | -95.4       | 122.9 | 309   | 0.65  | 0.0 | 1.0                                | 0.378 | 0.0   | 1.0   | 37.3 | 77.4        | -95.4                  | 122.9 | 309 | 0.65  | 0.0 | 1.0               |                     |                     |                     |
| 322                                                                                                                                                                                                                                                                                                                                                                                                                            | 310        | 310        | 0.897                    | 0.0 | 1.0   | 52.6 | 89.1 | -69.5 | 113.0                              | 322               | 0.434 | 0.0   | 1.0   | 38.7 | 78.2                     | -93.1       | 121.6 | 310   | 0.667 | 0.0 | 1.0                                | 0.434 | 0.0   | 1.0   | 38.7 | 78.2        | -93.1                  | 121.6 | 310 | 0.667 | 0.0 | 1.0               |                     |                     |                     |
| 323                                                                                                                                                                                                                                                                                                                                                                                                                            | 311        | 311        | 0.919                    | 0.0 | 1.0   | 53.6 | 90.1 | -67.8 | 112.8                              | 323               | 0.489 | 0.0   | 1.0   | 40.0 | 78.9                     | -90.7       | 120.3 | 311   | 0.683 | 0.0 | 1.0                                | 0.489 | 0.0   | 1.0   | 40.0 | 78.9        | -90.7                  | 120.3 | 311 | 0.683 | 0.0 | 1.0               |                     |                     |                     |
| 324                                                                                                                                                                                                                                                                                                                                                                                                                            | 312        | 312        | 0.941                    | 0.0 | 1.0   | 54.6 | 91.1 | -66.1 | 112.6                              | 324               | 0.537 | 0.0   | 1.0   | 41.3 | 79.9                     | -88.6       | 119.4 | 312   | 0.7   | 0.0 | 1.0                                | 0.537 | 0.0   | 1.0   | 41.3 | 79.9        | -88.6                  | 119.4 | 312 | 0.7   | 0.0 | 1.0               |                     |                     |                     |
| 325                                                                                                                                                                                                                                                                                                                                                                                                                            | 313        | 312        | 0.964                    | 0.0 | 1.0   | 55.6 | 92.0 | -64.3 | 112.3                              | 325               | 0.584 | 0.0   | 1.0   | 42.5 | 80.8                     | -86.6       | 118.5 | 313   | 0.717 | 0.0 | 1.0                                | 0.537 | 0.0   | 1.0   | 41.3 | 79.9        | -88.6                  | 119.4 | 312 | 0.717 | 0.0 | 1.0               |                     |                     |                     |
| 326                                                                                                                                                                                                                                                                                                                                                                                                                            | 314        | 313        | 0.986                    | 0.0 | 1.0   | 56.6 | 92.9 | -62.6 | 112.1                              | 326M <sub>s</sub> | 0.629 | 0.0   | 1.0   | 43.7 | 81.7                     | -84.5       | 117.7 | 314   | 0.733 | 0.0 | 1.0                                | 0.584 | 0.0   | 1.0   | 42.5 | 80.8        | -86.6                  | 118.5 | 313 | 0.733 | 0.0 | 1.0               |                     |                     |                     |
| 327                                                                                                                                                                                                                                                                                                                                                                                                                            | 315        | 314        | 1.0                      | 0.0 | 0.995 | 57.2 | 93.3 | -60.5 | 111.3                              | 327               | 0.668 | 0.0   | 1.0   | 44.9 | 82.6                     | -82.5       | 116.9 | 315   | 0.75  | 0.0 | 1.0                                | 0.629 | 0.0   | 1.0   | 43.7 | 81.7        | -84.5                  | 117.7 | 314 | 0.75  | 0.0 | 1.0               |                     |                     |                     |
| 328                                                                                                                                                                                                                                                                                                                                                                                                                            | 316        | 315        | 1.0                      | 0.0 | 0.983 | 56.9 | 93.0 | -58.0 | 109.7                              | 328               | 0.706 | 0.0   | 1.0   | 46.0 | 83.5                     | -80.5       | 116.1 | 316   | 0.767 | 0.0 | 1.0                                | 0.668 | 0.0   | 1.0   | 44.9 | 82.6        | -82.5                  | 116.9 | 315 | 0.767 | 0.0 | 1.0               |                     |                     |                     |
| 329                                                                                                                                                                                                                                                                                                                                                                                                                            | 317        | 316        | 1.0                      | 0.0 | 0.971 | 56.6 | 92.6 | -55.6 | 108.1                              | 329               | 0.744 | 0.0   | 1.0   | 47.2 | 84.3                     | -78.5       | 115.3 | 317   | 0.783 | 0.0 | 1.0                                | 0.706 | 0.0   | 1.0   | 46.0 | 83.5        | -80.5                  | 116.1 | 316 | 0.783 | 0.0 | 1.0               |                     |                     |                     |
| 330                                                                                                                                                                                                                                                                                                                                                                                                                            | 318        | 317        | 1.0                      | 0.0 | 0.958 | 56.4 | 92.2 | -53.1 | 106.4                              | 330               | 0.777 | 0.0   | 1.0   | 48.3 | 85.3                     | -76.7       | 114.8 | 318   | 0.8   | 0.0 | 1.0                                | 0.744 | 0.0   | 1.0   | 47.2 | 84.3        | -78.5                  | 115.3 | 317 | 0.8   | 0.0 | 1.0               |                     |                     |                     |
| 331                                                                                                                                                                                                                                                                                                                                                                                                                            | 319        | 318        | 1.0                      | 0.0 | 0.946 | 56.1 | 91.7 | -50.7 | 104.8                              | 331               | 0.81  | 0.0   | 1.0   | 49.4 | 86.2                     | -74.9       | 114.3 | 319   | 0.817 | 0.0 | 1.0                                | 0.777 | 0.0   | 1.0   | 48.3 | 85.3        | -76.7                  | 114.8 | 318 | 0.817 | 0.0 | 1.0               |                     |                     |                     |
| 332                                                                                                                                                                                                                                                                                                                                                                                                                            | 320        | 319        | 1.0                      | 0.0 | 0.933 | 55.9 | 91.1 | -48.3 | 103.2                              | 332               | 0.842 | 0.0   | 1.0   | 50.5 | 87.2                     | -73.0       | 113.8 | 320   | 0.833 | 0.0 | 1.0                                | 0.81  | 0.0   | 1.0   | 49.4 | 86.2        | -74.9                  | 114.3 | 319 | 0.833 | 0.0 | 1.0               |                     |                     |                     |
| 333                                                                                                                                                                                                                                                                                                                                                                                                                            | 321        | 320        | 1.0                      | 0.0 | 0.921 | 55.6 | 90.5 | -46.0 | 101.5                              | 333               | 0.875 | 0.0   | 1.0   | 51.6 | 88.0                     | -71.2       | 113.3 | 321   | 0.85  | 0.0 | 1.0                                | 0.842 | 0.0   | 1.0   | 50.5 | 87.2        | -73.0                  | 113.8 | 320 | 0.85  | 0.0 | 1.0               |                     |                     |                     |
| 334                                                                                                                                                                                                                                                                                                                                                                                                                            | 322        | 321        | 1.0                      | 0.0 | 0.909 | 55.3 | 89.8 | -43.7 | 99.9                               | 334               | 0.897 | 0.0   | 1.0   | 52.6 | 89.1                     | -69.5       | 113.0 | 322   | 0.867 | 0.0 | 1.0                                | 0.875 | 0.0   | 1.0   | 51.6 | 88.0        | -71.2                  | 113.3 | 321 | 0.867 | 0.0 | 1.0               |                     |                     |                     |
| 335                                                                                                                                                                                                                                                                                                                                                                                                                            | 323        | 322        | 1.0                      | 0.0 | 0.896 | 55.1 | 89.1 | -41.4 | 98.3                               | 335               | 0.919 | 0.0   | 1.0   | 53.6 | 90.1                     | -67.8       | 112.8 | 323   | 0.883 | 0.0 | 1.0                                | 0.897 | 0.0   | 1.0   | 52.6 | 89.1        | -69.5                  | 113.0 | 322 | 0.883 | 0.0 | 1.0               |                     |                     |                     |
| 336                                                                                                                                                                                                                                                                                                                                                                                                                            | 324        | 323        | 1.0                      | 0.0 | 0.884 | 54.8 | 88.3 | -39.2 | 96.7                               | 336               | 0.941 | 0.0   | 1.0   | 54.6 | 91.1                     | -66.1       | 112.6 | 324   | 0.9   | 0.0 | 1.0                                | 0.919 | 0.0   | 1.0   | 53.6 | 90.1        | -67.8                  | 112.8 | 323 | 0.9   | 0.0 | 1.0               |                     |                     |                     |
| 337                                                                                                                                                                                                                                                                                                                                                                                                                            | 325        | 324        | 1.0                      | 0.0 | 0.87  | 54.6 | 87.7 | -37.1 | 95.2                               | 337               | 0.964 | 0.0   | 1.0   | 55.6 | 92.0                     | -64.3       | 112.3 | 325   | 0.917 | 0.0 | 1.0                                | 0.941 | 0.0   | 1.0   | 54.6 | 91.1        | -66.1                  | 112.6 | 324 | 0.917 | 0.0 | 1.0               |                     |                     |                     |
| 338                                                                                                                                                                                                                                                                                                                                                                                                                            | 326        | 325        | 1.0                      | 0.0 | 0.851 | 54.5 | 87.3 | -35.2 | 94.2                               | 338               | 0.986 | 0.0   | 1.0   | 56.6 | 92.9                     | -62.6       | 112.1 | 326   | 0.933 | 0.0 | 1.0                                | 0.964 | 0.0   | 1.0   | 55.6 | 92.0        | -64.3                  | 112.3 | 325 | 0.933 | 0.0 | 1.0               |                     |                     |                     |
| 339                                                                                                                                                                                                                                                                                                                                                                                                                            | 327        | 326        | 1.0                      | 0.0 | 0.832 | 54.3 | 87.0 | -33.3 | 93.2                               | 339               | 1.0   | 0.0   | 0.995 | 57.2 | 93.3                     | -60.5       | 111.3 | 327   | 0.95  | 0.0 | 1.0                                | 0.986 | 0.0   | 1.0   | 56.6 | 92.9        | -62.6                  | 112.1 | 326 | 0.95  | 0.0 | 1.0               |                     |                     |                     |
| 340                                                                                                                                                                                                                                                                                                                                                                                                                            | 328        | 327        | 1.0                      | 0.0 | 0.814 | 54.2 | 86.6 | -31.4 | 92.1                               | 340               | 1.0   | 0.0   | 0.983 | 56.9 | 93.0                     | -58.0       | 109.7 | 328   | 0.967 | 0.0 | 1.0                                | 1.0   | 0.0   | 0.995 | 57.2 | 93.3        | -60.5                  | 111.3 | 327 | 0.967 | 0.0 | 1.0               |                     |                     |                     |
| 341                                                                                                                                                                                                                                                                                                                                                                                                                            | 329        | 328        | 1.0                      | 0.0 | 0.795 | 54.0 | 86.2 | -29.6 | 91.1                               | 341               | 1.0   | 0.0   | 0.971 | 56.6 | 92.6                     | -55.6       | 108.1 | 329   | 0.983 | 0.0 | 1.0                                | 1.0   | 0.0   | 0.983 | 56.9 | 93.0        | -58.0                  | 109.7 | 328 | 0.983 | 0.0 | 1.0               |                     |                     |                     |
| 342                                                                                                                                                                                                                                                                                                                                                                                                                            | 330        | 329        | 1.0                      | 0.0 | 0.777 | 53.9 | 85.7 | -27.7 | 90.1                               | 342               | 1.0   | 0.0   | 0.958 | 56.4 | 92.2                     | -53.1       | 106.4 | 330   | 1.0   | 0.0 | 1.0M <sub>s</sub>                  | 1.0   | 0.0   | 0.971 | 56.6 | 92.6        | -55.6                  | 108.1 | 329 | 1.0   | 0.0 | 1.0M <sub>e</sub> |                     |                     |                     |
| 343                                                                                                                                                                                                                                                                                                                                                                                                                            | 331        | 330        | 1.0                      | 0.0 | 0.758 | 53.7 | 85.2 | -25.9 | 89.1                               | 343               | 1.0   | 0.0   | 0.946 | 56.1 | 91.7                     | -50.7       | 104.8 | 331   | 1.0   | 0.0 | 0.983                              | 1.0   | 0.0   | 0.958 | 56.4 | 92.2        | -53.1                  | 106.4 | 330 | 1.0   | 0.0 | 0.983             |                     |                     |                     |
| 344                                                                                                                                                                                                                                                                                                                                                                                                                            | 332        | 331        | 1.0                      | 0.0 | 0.74  | 53.6 | 84.8 | -24.2 | 88.2                               | 344               | 1.0   | 0.0   | 0.933 | 55.9 | 91.1                     | -48.3       | 103.2 | 332   | 1.0   | 0.0 | 0.967                              | 1.0   | 0.0   | 0.946 | 56.1 | 91.7        | -50.7                  | 104.8 | 331 | 1.0   | 0.0 | 0.967             |                     |                     |                     |
| 345                                                                                                                                                                                                                                                                                                                                                                                                                            | 333        | 331        | 1.0                      | 0.0 | 0.723 | 53.5 | 84.6 | -22.6 | 87.6                               | 345               | 1.0   | 0.0   | 0.921 | 55.6 | 90.5                     | -46.0       | 101.5 | 333   | 1.0   | 0.0 | 0.95                               | 1.0   | 0.0   | 0.946 | 56.1 | 91.7        | -50.7                  | 104.8 | 331 | 1.0   | 0.0 | 0.95              |                     |                     |                     |
| 346                                                                                                                                                                                                                                                                                                                                                                                                                            | 334        | 332        | 1.0                      | 0.0 | 0.705 | 53.4 | 84.3 | -20.9 | 86.9                               | 346               | 1.0   | 0.0   | 0.909 | 55.3 | 89.8                     | -43.7       | 99.9  | 334   | 1.0   | 0.0 | 0.933                              | 1.0   | 0.0   | 0.933 | 55.9 | 91.1        | -48.3                  | 103.2 | 332 | 1.0   | 0.0 | 0.933             |                     |                     |                     |
| 347                                                                                                                                                                                                                                                                                                                                                                                                                            | 335        | 333        | 1.0                      | 0.0 | 0.687 | 53.3 | 84.0 | -19.3 | 86.2                               | 347               | 1.0   | 0.0   | 0.896 | 55.1 | 89.1                     | -41.4       | 98.3  | 335   | 1.0   | 0.0 | 0.917                              | 1.0   | 0.0   | 0.921 | 55.6 | 90.5        | -46.0                  | 101.5 | 333 | 1.0   | 0.0 | 0.917             |                     |                     |                     |
| 348                                                                                                                                                                                                                                                                                                                                                                                                                            | 336        | 334        | 1.0                      | 0.0 | 0.67  | 53.2 | 83.7 | -17.7 | 85.5                               | 348               | 1.0   | 0.0   | 0.884 | 54.8 | 88.3                     | -39.2       | 96.7  | 336   | 1.0   | 0.0 | 0.9                                | 1.0   | 0.0   | 0.909 | 55.3 | 89.8        | -43.7                  | 99.9  | 334 | 1.0   | 0.0 | 0.9               |                     |                     |                     |
| 349                                                                                                                                                                                                                                                                                                                                                                                                                            | 337        | 335        | 1.0                      | 0.0 | 0.652 | 53.1 | 83.3 | -16.1 | 84.9                               | 349               | 1.0   | 0.0   | 0.87  | 54.6 | 87.7                     | -37.1       | 95.2  | 337   | 1.0   | 0.0 | 0.883                              | 1.0   | 0.0   | 0.896 | 5    |             |                        |       |     |       |     |                   |                     |                     |                     |

|                                                                                                                                                                                                                                                                                                                                                                                                                             |            |            |                   |     |       |                            |      |      |                   |     |     |                             |       |      |                |       |      |                   |     |     |                             |     |     |                |      |      |              |              |              |     |     |       |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-----|-------|----------------------------|------|------|-------------------|-----|-----|-----------------------------|-------|------|----------------|-------|------|-------------------|-----|-----|-----------------------------|-----|-----|----------------|------|------|--------------|--------------|--------------|-----|-----|-------|--|--|--|
| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Buntonwinkel der Gerätefarben e: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Buntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |     |       |                            |      |      |                   |     |     |                             |       |      |                |       |      |                   |     |     |                             |     |     |                |      |      |              |              |              |     |     |       |  |  |  |
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                  | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |     |       | $LAB^*_{d361Mix}(x=LabCh)$ |      |      | $rgb^*_{ds361Mi}$ |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |       |      | $rgb^*_{s50M}$ |       |      | $rgb^*_{de361Mi}$ |     |     | $LAB^*_{de361Mix}(x=LabCh)$ |     |     | $rgb^*_{e50M}$ |      |      | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |     |     |       |  |  |  |
| 357                                                                                                                                                                                                                                                                                                                                                                                                                         | 345        | 343        | 1.0               | 0.0 | 0.527 | 52.5                       | 81.0 | -4.1 | 81.1              | 357 | 1.0 | 0.0                         | 0.723 | 53.5 | 84.6           | -22.6 | 87.6 | 345               | 1.0 | 0.0 | 0.75                        | 1.0 | 0.0 | 0.758          | 53.7 | 85.2 | -25.9        | 89.1         | 343          | 1.0 | 0.0 | 0.75  |  |  |  |
| 358                                                                                                                                                                                                                                                                                                                                                                                                                         | 346        | 344        | 1.0               | 0.0 | 0.512 | 52.4                       | 80.7 | -2.7 | 80.7              | 358 | 1.0 | 0.0                         | 0.705 | 53.4 | 84.3           | -20.9 | 86.9 | 346               | 1.0 | 0.0 | 0.733                       | 1.0 | 0.0 | 0.74           | 53.6 | 84.8 | -24.2        | 88.2         | 344          | 1.0 | 0.0 | 0.733 |  |  |  |
| 359                                                                                                                                                                                                                                                                                                                                                                                                                         | 347        | 345        | 1.0               | 0.0 | 0.497 | 52.4                       | 80.4 | -1.3 | 80.4              | 359 | 1.0 | 0.0                         | 0.687 | 53.3 | 84.0           | -19.3 | 86.2 | 347               | 1.0 | 0.0 | 0.717                       | 1.0 | 0.0 | 0.723          | 53.5 | 84.6 | -22.6        | 87.6         | 345          | 1.0 | 0.0 | 0.717 |  |  |  |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                           | 348        | 346        | 1.0               | 0.0 | 0.485 | 52.3                       | 80.3 | 0.0  | 80.3              | 0   | 1.0 | 0.0                         | 0.67  | 53.2 | 83.7           | -17.7 | 85.5 | 348               | 1.0 | 0.0 | 0.7                         | 1.0 | 0.0 | 0.705          | 53.4 | 84.3 | -20.9        | 86.9         | 346          | 1.0 | 0.0 | 0.7   |  |  |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                           | 349        | 347        | 1.0               | 0.0 | 0.472 | 52.3                       | 80.2 | 1.4  | 80.2              | 1   | 1.0 | 0.0                         | 0.652 | 53.1 | 83.3           | -16.1 | 84.9 | 349               | 1.0 | 0.0 | 0.683                       | 1.0 | 0.0 | 0.687          | 53.3 | 84.0 | -19.3        | 86.2         | 347          | 1.0 | 0.0 | 0.683 |  |  |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                           | 350        | 348        | 1.0               | 0.0 | 0.46  | 52.2                       | 80.0 | 2.8  | 80.1              | 2   | 1.0 | 0.0                         | 0.635 | 53.0 | 82.9           | -14.5 | 84.2 | 350               | 1.0 | 0.0 | 0.667                       | 1.0 | 0.0 | 0.67           | 53.2 | 83.7 | -17.7        | 85.5         | 348          | 1.0 | 0.0 | 0.667 |  |  |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                           | 351        | 349        | 1.0               | 0.0 | 0.447 | 52.2                       | 79.9 | 4.2  | 80.0              | 3   | 1.0 | 0.0                         | 0.618 | 53.0 | 82.6           | -13.0 | 83.6 | 351               | 1.0 | 0.0 | 0.65                        | 1.0 | 0.0 | 0.652          | 53.1 | 83.3 | -16.1        | 84.9         | 349          | 1.0 | 0.0 | 0.65  |  |  |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                           | 352        | 349        | 1.0               | 0.0 | 0.434 | 52.1                       | 79.7 | 5.6  | 79.9              | 4   | 1.0 | 0.0                         | 0.603 | 52.9 | 82.4           | -11.5 | 83.2 | 352               | 1.0 | 0.0 | 0.633                       | 1.0 | 0.0 | 0.652          | 53.1 | 83.3 | -16.1        | 84.9         | 349          | 1.0 | 0.0 | 0.633 |  |  |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                           | 353        | 350        | 1.0               | 0.0 | 0.422 | 52.1                       | 79.5 | 7.0  | 79.8              | 5   | 1.0 | 0.0                         | 0.588 | 52.8 | 82.2           | -10.0 | 82.8 | 353               | 1.0 | 0.0 | 0.617                       | 1.0 | 0.0 | 0.635          | 53.0 | 82.9 | -14.5        | 84.2         | 350          | 1.0 | 0.0 | 0.617 |  |  |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                           | 354        | 351        | 1.0               | 0.0 | 0.409 | 52.0                       | 79.2 | 8.3  | 79.7              | 6   | 1.0 | 0.0                         | 0.573 | 52.7 | 81.9           | -8.5  | 82.4 | 354               | 1.0 | 0.0 | 0.6                         | 1.0 | 0.0 | 0.618          | 53.0 | 82.6 | -13.0        | 83.6         | 351          | 1.0 | 0.0 | 0.6   |  |  |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                           | 355        | 352        | 1.0               | 0.0 | 0.397 | 52.0                       | 79.0 | 9.7  | 79.6              | 7   | 1.0 | 0.0                         | 0.558 | 52.7 | 81.7           | -7.0  | 82.0 | 355               | 1.0 | 0.0 | 0.583                       | 1.0 | 0.0 | 0.603          | 52.9 | 82.4 | -11.5        | 83.2         | 352          | 1.0 | 0.0 | 0.583 |  |  |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                           | 356        | 353        | 1.0               | 0.0 | 0.384 | 51.9                       | 78.7 | 11.1 | 79.5              | 8   | 1.0 | 0.0                         | 0.542 | 52.6 | 81.4           | -5.6  | 81.6 | 356               | 1.0 | 0.0 | 0.567                       | 1.0 | 0.0 | 0.588          | 52.8 | 82.2 | -10.0        | 82.8         | 353          | 1.0 | 0.0 | 0.567 |  |  |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                           | 357        | 354        | 1.0               | 0.0 | 0.372 | 51.9                       | 78.5 | 12.4 | 79.4              | 9   | 1.0 | 0.0                         | 0.527 | 52.5 | 81.0           | -4.1  | 81.1 | 357               | 1.0 | 0.0 | 0.55                        | 1.0 | 0.0 | 0.573          | 52.7 | 81.9 | -8.5         | 82.4         | 354          | 1.0 | 0.0 | 0.55  |  |  |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                          | 358        | 355        | 1.0               | 0.0 | 0.361 | 51.8                       | 78.4 | 13.8 | 79.6              | 10  | 1.0 | 0.0                         | 0.512 | 52.4 | 80.7           | -2.7  | 80.7 | 358               | 1.0 | 0.0 | 0.533                       | 1.0 | 0.0 | 0.558          | 52.7 | 81.7 | -7.0         | 82.0         | 355          | 1.0 | 0.0 | 0.533 |  |  |  |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                          | 359        | 356        | 1.0               | 0.0 | 0.35  | 51.8                       | 78.4 | 15.2 | 79.8              | 11  | 1.0 | 0.0                         | 0.497 | 52.4 | 80.4           | -1.3  | 80.4 | 359               | 1.0 | 0.0 | 0.517                       | 1.0 | 0.0 | 0.542          | 52.6 | 81.4 | -5.6         | 81.6         | 356          | 1.0 | 0.0 | 0.517 |  |  |  |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                          | 360        | 357        | 1.0               | 0.0 | 0.339 | 51.7                       | 78.3 | 16.6 | 80.0              | 12  | 1.0 | 0.0                         | 0.485 | 52.3 | 80.3           | 0.0   | 80.3 | 0                 | 1.0 | 0.0 | 0.5                         | 1.0 | 0.0 | 0.527          | 52.5 | 81.0 | -4.1         | 81.1         | 357          | 1.0 | 0.0 | 0.5   |  |  |  |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                          | 361        | 358        | 1.0               | 0.0 | 0.328 | 51.7                       | 78.2 | 18.0 | 80.2              | 13  | 1.0 | 0.0                         | 0.472 | 52.3 | 80.2           | 1.4   | 80.2 | 1                 | 1.0 | 0.0 | 0.483                       | 1.0 | 0.0 | 0.512          | 52.4 | 80.7 | -2.7         | 80.7         | 358          | 1.0 | 0.0 | 0.483 |  |  |  |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                          | 362        | 359        | 1.0               | 0.0 | 0.317 | 51.7                       | 78.0 | 19.5 | 80.4              | 14  | 1.0 | 0.0                         | 0.46  | 52.2 | 80.0           | 2.8   | 80.1 | 2                 | 1.0 | 0.0 | 0.467                       | 1.0 | 0.0 | 0.497          | 52.4 | 80.4 | -1.3         | 80.4         | 359          | 1.0 | 0.0 | 0.467 |  |  |  |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                          | 363        | 360        | 1.0               | 0.0 | 0.306 | 51.6                       | 77.9 | 20.9 | 80.6              | 15  | 1.0 | 0.0                         | 0.447 | 52.2 | 79.9           | 4.2   | 80.0 | 3                 | 1.0 | 0.0 | 0.45                        | 1.0 | 0.0 | 0.485          | 52.3 | 80.3 | 0.0          | 80.3         | 0            | 1.0 | 0.0 | 0.45  |  |  |  |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                          | 364        | 361        | 1.0               | 0.0 | 0.295 | 51.6                       | 77.7 | 22.3 | 80.8              | 16  | 1.0 | 0.0                         | 0.434 | 52.1 | 79.7           | 5.6   | 79.9 | 4                 | 1.0 | 0.0 | 0.433                       | 1.0 | 0.0 | 0.472          | 52.3 | 80.2 | 1.4          | 80.2         | 1            | 1.0 | 0.0 | 0.433 |  |  |  |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                          | 365        | 362        | 1.0               | 0.0 | 0.284 | 51.6                       | 77.5 | 23.7 | 81.0              | 17  | 1.0 | 0.0                         | 0.422 | 52.1 | 79.5           | 7.0   | 79.8 | 5                 | 1.0 | 0.0 | 0.417                       | 1.0 | 0.0 | 0.46           | 52.2 | 80.0 | 2.8          | 80.1         | 2            | 1.0 | 0.0 | 0.417 |  |  |  |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                          | 366        | 363        | 1.0               | 0.0 | 0.273 | 51.5                       | 77.2 | 25.1 | 81.2              | 18  | 1.0 | 0.0                         | 0.409 | 52.0 | 79.2           | 8.3   | 79.7 | 6                 | 1.0 | 0.0 | 0.4                         | 1.0 | 0.0 | 0.447          | 52.2 | 79.9 | 4.2          | 80.0         | 3            | 1.0 | 0.0 | 0.4   |  |  |  |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                          | 367        | 364        | 1.0               | 0.0 | 0.261 | 51.5                       | 77.0 | 26.5 | 81.4              | 19  | 1.0 | 0.0                         | 0.397 | 52.0 | 79.0           | 9.7   | 79.6 | 7                 | 1.0 | 0.0 | 0.383                       | 1.0 | 0.0 | 0.434          | 52.1 | 79.7 | 5.6          | 79.9         | 4            | 1.0 | 0.0 | 0.383 |  |  |  |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                          | 368        | 365        | 1.0               | 0.0 | 0.25  | 51.4                       | 76.7 | 27.9 | 81.6              | 20  | 1.0 | 0.0                         | 0.384 | 51.9 | 78.7           | 11.1  | 79.5 | 8                 | 1.0 | 0.0 | 0.367                       | 1.0 | 0.0 | 0.422          | 52.1 | 79.5 | 7.0          | 79.8         | 5            | 1.0 | 0.0 | 0.367 |  |  |  |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                          | 369        | 366        | 1.0               | 0.0 | 0.241 | 51.4                       | 76.7 | 29.5 | 82.2              | 21  | 1.0 | 0.0                         | 0.372 | 51.9 | 78.5           | 12.4  | 79.4 | 9                 | 1.0 | 0.0 | 0.35                        | 1.0 | 0.0 | 0.409          | 52.0 | 79.2 | 8.3          | 79.7         | 6            | 1.0 | 0.0 | 0.35  |  |  |  |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                          | 370        | 367        | 1.0               | 0.0 | 0.232 | 51.4                       | 76.8 | 31.0 | 82.8              | 22  | 1.0 | 0.0                         | 0.361 | 51.8 | 78.4           | 13.8  | 79.6 | 10                | 1.0 | 0.0 | 0.333                       | 1.0 | 0.0 | 0.397          | 52.0 | 79.0 | 9.7          | 79.6         | 7            | 1.0 | 0.0 | 0.333 |  |  |  |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                          | 371        | 367        | 1.0               | 0.0 | 0.223 | 51.4                       | 76.8 | 32.6 | 83.4              | 23  | 1.0 | 0.0                         | 0.35  | 51.8 | 78.4           | 15.2  | 79.8 | 11                | 1.0 | 0.0 | 0.317                       | 1.0 | 0.0 | 0.397          | 52.0 | 79.0 | 9.7          | 79.6         | 7            | 1.0 | 0.0 | 0.317 |  |  |  |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                          | 372        | 368        | 1.0               | 0.0 | 0.214 | 51.3                       | 76.8 | 34.2 | 84.1              | 24  | 1.0 | 0.0                         | 0.339 | 51.7 | 78.3           | 16.6  | 80.0 | 12                | 1.0 | 0.0 | 0.3                         | 1.0 | 0.0 | 0.384          | 51.9 | 78.7 | 11.1         | 79.5         | 8            | 1.0 | 0.0 | 0.3   |  |  |  |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                          | 373        | 369        | 1.0               | 0.0 | 0.205 | 51.3                       | 76.8 | 35.8 | 84.7              | 25  | 1.0 | 0.0                         | 0.328 | 51.7 | 78.2           | 18.0  | 80.2 | 13                | 1.0 | 0.0 | 0.283                       | 1.0 | 0.0 | 0.372          | 51.9 | 78.5 | 12.4         | 79.4         | 9            | 1.0 | 0.0 | 0.283 |  |  |  |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                          | 374        | 370        | 1.0               | 0.0 | 0.196 | 51.3                       | 76.7 | 37.4 | 85.3              | 26  | 1.0 | 0.0                         | 0.317 | 51.7 | 78.0           | 19.5  | 80.4 | 14                | 1.0 | 0.0 | 0.267                       | 1.0 | 0.0 | 0.361          | 51.8 | 78.4 | 13.8         | 79.6         | 10           | 1.0 | 0.0 | 0.267 |  |  |  |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                          | 375        | 371        | 1.0               | 0.0 | 0.187 | 51.3                       | 76.6 | 39.0 | 86.0              | 27  | 1.0 | 0.0                         | 0.306 | 51.6 | 77.9           | 20.9  | 80.6 | 15                | 1.0 | 0.0 | 0.25                        | 1.0 | 0.0 | 0.35           | 51.8 | 78.4 | 15.2         | 79.8         | 11           | 1.0 | 0.0 | 0.25  |  |  |  |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                          | 376        | 372        | 1.0               | 0.0 | 0.178 | 51.2                       | 76.4 | 40.6 | 86.6              | 28  | 1.0 | 0.0                         | 0.295 | 51.6 | 77.7           | 22.3  | 80.8 | 16                | 1.0 | 0.0 | 0.233                       | 1.0 | 0.0 | 0.339          | 51.7 | 78.3 | 16.6         | 80.0         | 12           | 1.0 | 0.0 | 0.233 |  |  |  |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                          | 377        | 373        | 1.0               | 0.0 | 0.169 | 51.2                       | 76.3 | 42.3 | 87.2              | 29  | 1.0 | 0.0                         | 0.284 | 51.6 | 77.5           | 23.7  | 81.0 | 17                | 1.0 | 0.0 | 0.217                       | 1.0 | 0.0 | 0.328          | 51.7 | 78.2 | 18.0         | 80.2         | 13           | 1.0 | 0.0 | 0.217 |  |  |  |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                          | 378        | 374        | 1.0               | 0.0 | 0.16  | 51.2                       | 76.1 | 43.9 | 87.8              | 30  | 1.0 | 0.0                         | 0.273 | 51.5 | 77.2           | 25.1  | 81.2 | 18                | 1.0 | 0.0 | 0.2                         | 1.0 | 0.0 | 0.317          | 51.7 | 78.0 | 19.5         | 80.4         | 14           | 1.0 | 0.0 | 0.2   |  |  |  |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                          | 379        | 375        | 1.0               | 0.0 | 0.151 | 51.1                       | 75.8 | 45.6 | 88.5              | 31  | 1.0 | 0.0                         | 0.261 | 51.5 | 77.0           | 26.5  | 81.4 | 19                | 1.0 | 0.0 | 0.183                       | 1.0 | 0.0 | 0.306          | 51.6 | 77.9 | 20.9         | 80.6         | 15           | 1.0 | 0.0 | 0.183 |  |  |  |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                          | 380        | 376        | 1.0               | 0.0 | 0.143 | 51.1                       | 75.6 | 47.2 | 89.1              | 32  | 1.0 | 0.0                         | 0.25  | 51.4 | 76.7           | 27.9  | 81.6 | 20                | 1.0 | 0.0 | 0.167                       | 1.0 | 0.0 | 0.295          | 51.6 | 77.7 | 22.3         | 80.8         | 16           | 1.0 | 0.0 | 0.167 |  |  |  |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                          | 381        | 377        | 1.0               | 0.0 | 0.134 | 51.1                       | 75.2 | 48.9 | 89.7              | 33  | 1.0 | 0.0                         | 0.241 | 51.4 | 76.7           | 29.5  | 82.2 | 21                | 1.0 | 0.0 | 0.15                        | 1.0 | 0.0 | 0.284          | 51.6 | 77.5 | 23.7         | 81.0         | 17           | 1.0 | 0.0 | 0.15  |  |  |  |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                          | 382        | 378        | 1.0               | 0.0 | 0.124 | 51.1                       | 74.9 | 50.5 | 90.4              | 34  | 1.0 | 0.0                         | 0.232 | 51.4 | 76.8           | 31.0  | 82.8 | 22                | 1.0 | 0.0 | 0.133                       | 1.0 | 0.0 | 0.273          | 51.5 | 77.2 | 25.1         | 81.2         | 18           | 1.0 | 0.0 | 0.133 |  |  |  |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                          | 383        | 379        | 1.0               | 0.0 | 0.109 | 51.1                       | 75.0 | 52.5 | 91.6              | 35  | 1.0 | 0.0                         | 0.223 | 51.4 | 76.8           | 32.6  | 83.4 | 23                | 1.0 | 0.0 | 0.117                       | 1.0 |     |                |      |      |              |              |              |     |     |       |  |  |  |

Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



**Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.
- $h_{ab,s} \ rgb^*_d$   
$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne





Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mix}(x=LabCh)$              | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mix}(x=LabCh)$ | $rgb^*_{s50M}$            | $rgb^*_{de361Mi}$ | $LAB^*_{de361Mix}(x=LabCh)$ | $rgb^*_{e50M}$            | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|-------------------|------------------------------------------|-------------------|-----------------------------|---------------------------|-------------------|-----------------------------|---------------------------|--------------|--------------|--------------|
| 87         | 75         | 76         | 1.0 0.812 0.0     | 79.2 4.8 91.3 91.4 87                    | 1.0 0.644 0.0     | 70.9 22.3 83.3 86.3 75      | 1.0 0.75 0.0              | 1.0 0.658 0.0     | 71.6 20.9 84.0 86.6 76      | 1.0 0.75 0.0              |              |              |              |
| 88         | 76         | 77         | 1.0 0.826 0.0     | 79.9 3.2 92.0 92.0 88                    | 1.0 0.658 0.0     | 71.6 20.9 84.0 86.6 76      | 1.0 0.767 0.0             | 1.0 0.672 0.0     | 72.2 19.5 84.6 86.8 77      | 1.0 0.767 0.0             |              |              |              |
| 89         | 77         | 78         | 1.0 0.84 0.0      | 80.7 1.6 92.7 92.7 89                    | 1.0 0.672 0.0     | 72.2 19.5 84.6 86.8 77      | 1.0 0.783 0.0             | 1.0 0.686 0.0     | 72.8 18.1 85.2 87.1 78      | 1.0 0.783 0.0             |              |              |              |
| 90         | 78         | 79         | 1.0 0.854 0.0     | 81.4 0.0 93.4 93.4 90                    | 1.0 0.686 0.0     | 72.8 18.1 85.2 87.1 78      | 1.0 0.8 0.0               | 1.0 0.701 0.0     | 73.5 16.7 85.8 87.4 79      | 1.0 0.8 0.0               |              |              |              |
| 91         | 79         | 80         | 1.0 0.868 0.0     | 82.2 -1.5 94.0 94.0 91                   | 1.0 0.701 0.0     | 73.5 16.7 85.8 87.4 79      | 1.0 0.817 0.0             | 1.0 0.715 0.0     | 74.1 15.2 86.4 87.7 80      | 1.0 0.817 0.0             |              |              |              |
| 92         | 80         | 81         | 1.0 0.881 0.0     | 83.1 -3.2 94.9 95.0 92                   | 1.0 0.715 0.0     | 74.1 15.2 86.4 87.7 80      | 1.0 0.833 0.0             | 1.0 0.729 0.0     | 74.8 13.8 86.9 88.0 81      | 1.0 0.833 0.0             |              |              |              |
| 93         | 81         | 82         | 1.0 0.893 0.0     | 84.1 -4.9 96.1 96.2 93                   | 1.0 0.729 0.0     | 74.8 13.8 86.9 88.0 81      | 1.0 0.85 0.0              | 1.0 0.743 0.0     | 75.4 12.3 87.4 88.3 82      | 1.0 0.85 0.0              |              |              |              |
| 94         | 82         | 83         | 1.0 0.906 0.0     | 85.1 -6.7 97.2 97.5 94                   | 1.0 0.743 0.0     | 75.4 12.3 87.4 88.3 82      | 1.0 0.867 0.0             | 1.0 0.757 0.0     | 76.1 10.8 88.1 88.7 83      | 1.0 0.867 0.0             |              |              |              |
| 95         | 83         | 85         | 1.0 0.918 0.0     | 86.2 -8.5 98.3 98.7 95                   | 1.0 0.757 0.0     | 76.1 10.8 88.1 88.7 83      | 1.0 0.883 0.0             | 1.0 0.784 0.0     | 77.6 7.8 89.7 90.1 85       | 1.0 0.883 0.0             |              |              |              |
| 96         | 84         | 86         | 1.0 0.931 0.0     | 87.2 -10.3 99.4 100.0 96                 | 1.0 0.77 0.0      | 76.9 9.3 88.9 89.4 84       | 1.0 0.9 0.0               | 1.0 0.798 0.0     | 78.4 6.3 90.5 90.7 86       | 1.0 0.9 0.0               |              |              |              |
| 97         | 85         | 87         | 1.0 0.943 0.0     | 88.2 -12.2 100.5 101.2 97                | 1.0 0.784 0.0     | 77.6 7.8 89.7 90.1 85       | 1.0 0.917 0.0             | 1.0 0.812 0.0     | 79.2 4.8 91.3 91.4 87       | 1.0 0.917 0.0             |              |              |              |
| 98         | 86         | 88         | 1.0 0.956 0.0     | 89.2 -14.2 101.5 102.5 98                | 1.0 0.798 0.0     | 78.4 6.3 90.5 90.7 86       | 1.0 0.933 0.0             | 1.0 0.826 0.0     | 79.9 3.2 92.0 92.0 88       | 1.0 0.933 0.0             |              |              |              |
| 99         | 87         | 89         | 1.0 0.968 0.0     | 90.2 -16.1 102.4 103.7 99                | 1.0 0.812 0.0     | 79.2 4.8 91.3 91.4 87       | 1.0 0.95 0.0              | 1.0 0.84 0.0      | 80.7 1.6 92.7 92.7 89       | 1.0 0.95 0.0              |              |              |              |
| 100        | 88         | 90         | 1.0 0.981 0.0     | 91.3 -18.1 103.4 105.0 100               | 1.0 0.826 0.0     | 79.9 3.2 92.0 92.0 88       | 1.0 0.967 0.0             | 1.0 0.854 0.0     | 81.4 0.0 93.4 93.4 90       | 1.0 0.967 0.0             |              |              |              |
| 101        | 89         | 91         | 1.0 0.993 0.0     | 92.3 -20.2 104.2 106.2 101J <sub>d</sub> | 1.0 0.84 0.0      | 80.7 1.6 92.7 92.7 89       | 1.0 0.983 0.0             | 1.0 0.868 0.0     | 82.2 -1.5 94.0 94.0 91      | 1.0 0.983 0.0             |              |              |              |
| 102        | 90         | 92         | 0.993 1.0 0.0     | 92.7 -22.1 104.5 106.9 102               | 1.0 0.854 0.0     | 81.4 0.0 93.4 93.4 90       | 1.0 1.0 0.0J <sub>s</sub> | 1.0 0.881 0.0     | 83.1 -3.2 94.9 95.0 92      | 1.0 1.0 0.0J <sub>e</sub> |              |              |              |
| 103        | 91         | 93         | 0.977 1.0 0.0     | 92.3 -23.9 104.1 106.9 103               | 1.0 0.868 0.0     | 82.2 -1.5 94.0 94.0 91      | 0.983 1.0 0.0             | 1.0 0.893 0.0     | 84.1 -4.9 96.1 96.2 93      | 0.983 1.0 0.0             |              |              |              |
| 104        | 92         | 95         | 0.962 1.0 0.0     | 92.0 -25.8 103.7 106.9 104               | 1.0 0.881 0.0     | 83.1 -3.2 94.9 95.0 92      | 0.967 1.0 0.0             | 1.0 0.918 0.0     | 86.2 -8.5 98.3 98.7 95      | 0.967 1.0 0.0             |              |              |              |
| 105        | 93         | 96         | 0.947 1.0 0.0     | 91.7 -27.6 103.2 106.9 105               | 1.0 0.893 0.0     | 84.1 -4.9 96.1 96.2 93      |                           |                   |                             |                           |              |              |              |

| Daten der Maximalfarbe M im Farbmatrix-Sytem LEDCD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |     |       |      |       |      |                             |     |       |     |     |       |                   |       |       |       |       |       |                             |       |     |     |       |       |                |       |       |       |       |       |     |     |     |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-----|-------|------|-------|------|-----------------------------|-----|-------|-----|-----|-------|-------------------|-------|-------|-------|-------|-------|-----------------------------|-------|-----|-----|-------|-------|----------------|-------|-------|-------|-------|-------|-----|-----|-----|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ds361Mi}$ |     |       |      |       |      | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       |     |     |       | $rgb^*_{ds361Mi}$ |       |       |       |       |       | $LAB^*_{ds361Mix}(x=LabCh)$ |       |     |     |       |       | $rgb^*_{s50M}$ |       |       |       |       |       |     |     |     |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            |                   |     |       |      |       |      |                             |     |       |     |     |       |                   |       |       |       |       |       |                             |       |     |     |       |       |                |       |       |       |       |       |     |     |     |  |  |  |
| 132                                                                                                                                                                                                                                                                                                                                                                                                                            | 120        | 127        | 0.0               | 1.0 | 0.014 | 84.1 | -81.9 | 91.0 | 122.5                       | 132 | 0.624 | 1.0 | 0.0 | 87.2  | -55.5             | 96.3  | 111.2 | 120   | 0.5   | 1.0   | 0.0                         | 0.363 | 1.0 | 0.0 | 85.3  | -70.5 | 93.6           | 117.3 | 127   | 0.5   | 1.0   | 0.0   |     |     |     |  |  |  |
| 133                                                                                                                                                                                                                                                                                                                                                                                                                            | 121        | 128        | 0.0               | 1.0 | 0.072 | 84.1 | -81.4 | 87.4 | 119.5                       | 133 | 0.59  | 1.0 | 0.0 | 86.9  | -57.5             | 95.9  | 111.9 | 121   | 0.483 | 1.0   | 0.0                         | 0.31  | 1.0 | 0.0 | 85.0  | -72.8 | 93.3           | 118.4 | 128   | 0.483 | 1.0   | 0.0   |     |     |     |  |  |  |
| 134                                                                                                                                                                                                                                                                                                                                                                                                                            | 122        | 130        | 0.0               | 1.0 | 0.127 | 84.1 | -80.8 | 83.8 | 116.5                       | 134 | 0.556 | 1.0 | 0.0 | 86.6  | -59.6             | 95.5  | 112.6 | 122   | 0.467 | 1.0   | 0.0                         | 0.192 | 1.0 | 0.0 | 84.5  | -77.6 | 92.5           | 120.8 | 130   | 0.467 | 1.0   | 0.0   |     |     |     |  |  |  |
| 135                                                                                                                                                                                                                                                                                                                                                                                                                            | 123        | 131        | 0.0               | 1.0 | 0.155 | 84.2 | -80.3 | 80.4 | 113.7                       | 135 | 0.522 | 1.0 | 0.0 | 86.4  | -61.7             | 95.1  | 113.4 | 123   | 0.45  | 1.0   | 0.0                         | 0.127 | 1.0 | 0.0 | 84.2  | -80.0 | 92.1           | 122.1 | 131   | 0.45  | 1.0   | 0.0   |     |     |     |  |  |  |
| 136                                                                                                                                                                                                                                                                                                                                                                                                                            | 124        | 132        | 0.0               | 1.0 | 0.182 | 84.2 | -79.7 | 77.1 | 111.0                       | 136 | 0.487 | 1.0 | 0.0 | 86.1  | -63.8             | 94.7  | 114.2 | 124   | 0.433 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.014 | 84.1  | -81.9          | 91.0  | 122.5 | 132   | 0.433 | 1.0   | 0.0 |     |     |  |  |  |
| 137                                                                                                                                                                                                                                                                                                                                                                                                                            | 125        | 133        | 0.0               | 1.0 | 0.21  | 84.2 | -79.0 | 73.8 | 108.2                       | 137 | 0.446 | 1.0 | 0.0 | 85.9  | -66.0             | 94.4  | 115.2 | 125   | 0.417 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.072 | 84.1  | -81.4          | 87.4  | 119.5 | 133   | 0.417 | 1.0   | 0.0 |     |     |  |  |  |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                            | 126        | 134        | 0.0               | 1.0 | 0.238 | 84.3 | -78.2 | 70.5 | 105.4                       | 138 | 0.406 | 1.0 | 0.0 | 85.6  | -68.2             | 94.0  | 116.2 | 126   | 0.4   | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.127 | 84.1  | -80.8          | 83.8  | 116.5 | 134   | 0.4   | 1.0   | 0.0 |     |     |  |  |  |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                            | 127        | 135        | 0.0               | 1.0 | 0.265 | 84.3 | -77.6 | 67.5 | 102.9                       | 139 | 0.363 | 1.0 | 0.0 | 85.3  | -70.5             | 93.6  | 117.3 | 127   | 0.383 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.155 | 84.2  | -80.3          | 80.4  | 113.7 | 135   | 0.383 | 1.0   | 0.0 |     |     |  |  |  |
| 140                                                                                                                                                                                                                                                                                                                                                                                                                            | 128        | 137        | 0.0               | 1.0 | 0.292 | 84.4 | -77.0 | 64.7 | 100.6                       | 140 | 0.31  | 1.0 | 0.0 | 85.0  | -72.8             | 93.3  | 118.4 | 128   | 0.367 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.21  | 84.2  | -79.0          | 73.8  | 108.2 | 137   | 0.367 | 1.0   | 0.0 |     |     |  |  |  |
| 141                                                                                                                                                                                                                                                                                                                                                                                                                            | 129        | 138        | 0.0               | 1.0 | 0.319 | 84.4 | -76.3 | 61.9 | 98.3                        | 141 | 0.256 | 1.0 | 0.0 | 84.8  | -75.1             | 92.9  | 119.5 | 129   | 0.35  | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.238 | 84.3  | -78.2          | 70.5  | 105.4 | 138   | 0.35  | 1.0   | 0.0 |     |     |  |  |  |
| 142                                                                                                                                                                                                                                                                                                                                                                                                                            | 130        | 139        | 0.0               | 1.0 | 0.347 | 84.4 | -75.6 | 59.1 | 96.0                        | 142 | 0.192 | 1.0 | 0.0 | 84.5  | -77.6             | 92.5  | 120.8 | 130   | 0.333 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.265 | 84.3  | -77.6          | 67.5  | 102.9 | 139   | 0.333 | 1.0   | 0.0 |     |     |  |  |  |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                            | 131        | 140        | 0.0               | 1.0 | 0.374 | 84.5 | -74.8 | 56.4 | 93.7                        | 143 | 0.127 | 1.0 | 0.0 | 84.2  | -80.0             | 92.1  | 122.1 | 131   | 0.317 | 1.0   | 0.0                         | 0.0   | 1.0 | 0.0 | 0.292 | 84.4  | -77.0          | 64.7  | 100.6 | 140   | 0.317 | 1.0   | 0.0 |     |     |  |  |  |
| 144                                                                                                                                                                                                                                                                                                                                                                                                                            | 132        | 141        | 0.0               | 1.0 | 0.399 | 84.5 | -74.2 | 53.9 | 91.8                        | 144 | 0.0   | 1.0 | 0.0 | 0.014 | 84.1              | -81.9 | 91.0  | 122.5 | 132   | 0.3   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.319 | 84.4           | -76.3 | 61.9  | 98.3  | 141   | 0.3   | 1.0 | 0.0 |     |  |  |  |
| 145                                                                                                                                                                                                                                                                                                                                                                                                                            | 133        | 142        | 0.0               | 1.0 | 0.423 | 84.6 | -73.5 | 51.5 | 89.8                        | 145 | 0.0   | 1.0 | 0.0 | 0.072 | 84.1              | -81.4 | 87.4  | 119.5 | 133   | 0.283 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.347 | 84.4           | -75.6 | 59.1  | 96.0  | 142   | 0.283 | 1.0 | 0.0 |     |  |  |  |
| 146                                                                                                                                                                                                                                                                                                                                                                                                                            | 134        | 144        | 0.0               | 1.0 | 0.448 | 84.6 | -72.7 | 49.1 | 87.9                        | 146 | 0.0   | 1.0 | 0.0 | 0.127 | 84.1              | -80.8 | 83.8  | 116.5 | 134   | 0.267 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.399 | 84.5           | -74.2 | 53.9  | 91.8  | 144   | 0.267 | 1.0 | 0.0 |     |  |  |  |
| 147                                                                                                                                                                                                                                                                                                                                                                                                                            | 135        | 145        | 0.0               | 1.0 | 0.473 | 84.7 | -71.9 | 46.8 | 85.9                        | 147 | 0.0   | 1.0 | 0.0 | 0.155 | 84.2              | -80.3 | 80.4  | 113.7 | 135   | 0.25  | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.423 | 84.6           | -73.5 | 51.5  | 89.8  | 145   | 0.25  | 1.0 | 0.0 |     |  |  |  |
| 148                                                                                                                                                                                                                                                                                                                                                                                                                            | 136        | 146        | 0.0               | 1.0 | 0.498 | 84.7 | -71.1 | 44.5 | 83.9                        | 148 | 0.0   | 1.0 | 0.0 | 0.182 | 84.2              | -79.7 | 77.1  | 111.0 | 136   | 0.233 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.448 | 84.6           | -72.7 | 49.1  | 87.9  | 146   | 0.233 | 1.0 | 0.0 |     |  |  |  |
| 149                                                                                                                                                                                                                                                                                                                                                                                                                            | 137        | 147        | 0.0               | 1.0 | 0.52  | 84.8 | -70.5 | 42.4 | 82.4                        | 149 | 0.0   | 1.0 | 0.0 | 0.21  | 84.2              | -79.0 | 73.8  | 108.2 | 137   | 0.217 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.473 | 84.7           | -71.9 | 46.8  | 85.9  | 147   | 0.217 | 1.0 | 0.0 |     |  |  |  |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                            | 138        | 148        | 0.0               | 1.0 | 0.542 | 84.8 | -69.9 | 40.4 | 80.8                        | 150 | 0.0   | 1.0 | 0.0 | 0.238 | 84.3              | -78.2 | 70.5  | 105.4 | 138   | 0.2   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.498 | 84.7           | -71.1 | 44.5  | 83.9  | 148   | 0.2   | 1.0 | 0.0 |     |  |  |  |
| 151                                                                                                                                                                                                                                                                                                                                                                                                                            | 139        | 149        | 0.0               | 1.0 | 0.564 | 84.9 | -69.2 | 38.4 | 79.3                        | 151 | 0.0   | 1.0 | 0.0 | 0.265 | 84.3              | -77.6 | 67.5  | 102.9 | 139   | 0.183 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.52  | 84.8           | -70.5 | 42.4  | 82.4  | 149   | 0.183 | 1.0 | 0.0 |     |  |  |  |
| 152                                                                                                                                                                                                                                                                                                                                                                                                                            | 140        | 151        | 0.0               | 1.0 | 0.586 | 84.9 | -68.5 | 36.5 | 77.7                        | 152 | 0.0   | 1.0 | 0.0 | 0.292 | 84.4              | -77.0 | 64.7  | 100.6 | 140   | 0.167 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.564 | 84.9           | -69.2 | 38.4  | 79.3  | 151   | 0.167 | 1.0 | 0.0 |     |  |  |  |
| 153                                                                                                                                                                                                                                                                                                                                                                                                                            | 141        | 152        | 0.0               | 1.0 | 0.608 | 85.0 | -67.8 | 34.6 | 76.2                        | 153 | 0.0   | 1.0 | 0.0 | 0.319 | 84.4              | -76.3 | 61.9  | 98.3  | 141   | 0.15  | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.586 | 84.9           | -68.5 | 36.5  | 77.7  | 152   | 0.15  | 1.0 | 0.0 |     |  |  |  |
| 154                                                                                                                                                                                                                                                                                                                                                                                                                            | 142        | 153        | 0.0               | 1.0 | 0.629 | 85.0 | -67.1 | 32.8 | 74.7                        | 154 | 0.0   | 1.0 | 0.0 | 0.347 | 84.4              | -75.6 | 59.1  | 96.0  | 142   | 0.133 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.608 | 85.0           | -67.8 | 34.6  | 76.2  | 153   | 0.133 | 1.0 | 0.0 |     |  |  |  |
| 155                                                                                                                                                                                                                                                                                                                                                                                                                            | 143        | 154        | 0.0               | 1.0 | 0.648 | 85.1 | -66.5 | 31.1 | 73.5                        | 155 | 0.0   | 1.0 | 0.0 | 0.374 | 84.5              | -74.8 | 56.4  | 93.7  | 143   | 0.117 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.629 | 85.0           | -67.1 | 32.8  | 74.7  | 154   | 0.117 | 1.0 | 0.0 |     |  |  |  |
| 156                                                                                                                                                                                                                                                                                                                                                                                                                            | 144        | 155        | 0.0               | 1.0 | 0.666 | 85.1 | -65.9 | 29.4 | 72.3                        | 156 | 0.0   | 1.0 | 0.0 | 0.399 | 84.5              | -74.2 | 53.9  | 91.8  | 144   | 0.1   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.648 | 85.1           | -66.5 | 31.1  | 73.5  | 155   | 0.1   | 1.0 | 0.0 |     |  |  |  |
| 157                                                                                                                                                                                                                                                                                                                                                                                                                            | 145        | 156        | 0.0               | 1.0 | 0.684 | 85.2 | -65.3 | 27.8 | 71.1                        | 157 | 0.0   | 1.0 | 0.0 | 0.423 | 84.6              | -73.5 | 51.5  | 89.8  | 145   | 0.083 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.666 | 85.1           | -65.9 | 29.4  | 72.3  | 156   | 0.083 | 1.0 | 0.0 |     |  |  |  |
| 158                                                                                                                                                                                                                                                                                                                                                                                                                            | 146        | 158        | 0.0               | 1.0 | 0.702 | 85.2 | -64.7 | 26.2 | 69.9                        | 158 | 0.0   | 1.0 | 0.0 | 0.448 | 84.6              | -72.7 | 49.1  | 87.9  | 146   | 0.067 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.702 | 85.2           | -64.7 | 26.2  | 69.9  | 158   | 0.067 | 1.0 | 0.0 |     |  |  |  |
| 159                                                                                                                                                                                                                                                                                                                                                                                                                            | 147        | 159        | 0.0               | 1.0 | 0.721 | 85.2 | -64.0 | 24.6 | 68.7                        | 159 | 0.0   | 1.0 | 0.0 | 0.473 | 84.7              | -71.9 | 46.8  | 85.9  | 147   | 0.05  | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.721 | 85.2           | -64.0 | 24.6  | 68.7  | 159   | 0.05  | 1.0 | 0.0 |     |  |  |  |
| 160                                                                                                                                                                                                                                                                                                                                                                                                                            | 148        | 160        | 0.0               | 1.0 | 0.739 | 85.3 | -63.3 | 23.1 | 67.5                        | 160 | 0.0   | 1.0 | 0.0 | 0.498 | 84.7              | -71.1 | 44.5  | 83.9  | 148   | 0.033 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.739 | 85.3           | -63.3 | 23.1  | 67.5  | 160   | 0.033 | 1.0 | 0.0 |     |  |  |  |
| 161                                                                                                                                                                                                                                                                                                                                                                                                                            | 149        | 161        | 0.0               | 1.0 | 0.755 | 85.3 | -62.7 | 21.6 | 66.4                        | 161 | 0.0   | 1.0 | 0.0 | 0.52  | 84.8              | -70.5 | 42.4  | 82.4  | 149   | 0.017 | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.755 | 85.3           | -62.7 | 21.6  | 66.4  | 161   | 0.017 | 1.0 | 0.0 |     |  |  |  |
| 162                                                                                                                                                                                                                                                                                                                                                                                                                            | 150        | 162        | 0.0               | 1.0 | 0.768 | 85.4 | -62.2 | 20.2 | 65.5                        | 162 | 0.0   | 1.0 | 0.0 | 0.542 | 84.8              | -69.9 | 40.4  | 80.8  | 150   | 0.0   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.768 | 85.4           | -62.2 | 20.2  | 65.5  | 162   | 0.0   | 1.0 | 0.0 | 0.0 |  |  |  |
| 163                                                                                                                                                                                                                                                                                                                                                                                                                            | 151        | 163        | 0.0               | 1.0 | 0.782 | 85.4 | -61.7 | 18.9 | 64.6                        | 163 | 0.0   | 1.0 | 0.0 | 0.564 | 84.9              | -69.2 | 38.4  | 79.3  | 151   | 0.0   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.782 | 85.4           | -61.7 | 18.9  | 64.6  | 163   | 0.0   | 1.0 | 0.0 | 0.0 |  |  |  |
| 164                                                                                                                                                                                                                                                                                                                                                                                                                            | 152        | 164        | 0.0               | 1.0 | 0.795 | 85.5 | -61.2 | 17.6 | 63.8                        | 164 | 0.0   | 1.0 | 0.0 | 0.586 | 84.9              | -68.5 | 36.5  | 77.7  | 152   | 0.0   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.795 | 85.5           | -61.2 | 17.6  | 63.8  | 164   | 0.0   | 1.0 | 0.0 | 0.0 |  |  |  |
| 165                                                                                                                                                                                                                                                                                                                                                                                                                            | 153        | 165        | 0.0               | 1.0 | 0.808 | 85.5 | -60.6 | 16.3 | 62.9                        | 165 | 0.0   | 1.0 | 0.0 | 0.608 | 85.0              | -67.8 | 34.6  | 76.2  | 153   | 0.0   | 1.0                         | 0.0   | 0.0 | 1.0 | 0.0   | 0.808 | 85.5           | -60.6 | 16.3  | 62.9  | 165   | 0.0   |     |     |     |  |  |  |

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-------|------|-------|-------|-----------------------------|-------------------|-----|-------|-------|------|-------------------|-------|------|-----|-----|-----|-----------------------------|-----|-------|-------|------|-------|----------------|------|-----|-----|-----|-------|--------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |       |      |       |       | $LAB^*_{dd361Mix}(x=LabCh)$ |                   |     |       |       |      | $rgb^*_{ds361Mi}$ |       |      |     |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       |       |      |       | $rgb^*_{s50M}$ |      |     |     |     |       |              |              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                               |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
| 177                                                                                                                                                                                                                                                                                                                                                                                                                           | 165        | 176        | 0.0               | 1.0   | 0.907 | 86.1 | -55.4 | 2.9   | 55.6                        | 177               | 0.0 | 1.0   | 0.808 | 85.5 | -60.6             | 16.3  | 62.9 | 165 | 0.0 | 1.0 | 0.25                        | 0.0 | 1.0   | 0.903 | 86.1 | -55.8 | 3.9            | 56.0 | 176 | 0.0 | 1.0 | 0.25  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 178                                                                                                                                                                                                                                                                                                                                                                                                                           | 166        | 177        | 0.0               | 1.0   | 0.912 | 86.2 | -55.1 | 1.9   | 55.2                        | 178               | 0.0 | 1.0   | 0.821 | 85.6 | -60.1             | 15.0  | 62.0 | 166 | 0.0 | 1.0 | 0.267                       | 0.0 | 1.0   | 0.907 | 86.1 | -55.4 | 2.9            | 55.6 | 177 | 0.0 | 1.0 | 0.267 |              |              |              |
| 179                                                                                                                                                                                                                                                                                                                                                                                                                           | 167        | 178        | 0.0               | 1.0   | 0.917 | 86.2 | -54.7 | 1.0   | 54.8                        | 179               | 0.0 | 1.0   | 0.834 | 85.6 | -59.4             | 13.7  | 61.1 | 167 | 0.0 | 1.0 | 0.283                       | 0.0 | 1.0   | 0.912 | 86.2 | -55.1 | 1.9            | 55.2 | 178 | 0.0 | 1.0 | 0.283 |              |              |              |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                           | 168        | 179        | 0.0               | 1.0   | 0.921 | 86.3 | -54.3 | 0.0   | 54.4                        | 180               | 0.0 | 1.0   | 0.847 | 85.7 | -58.8             | 12.5  | 60.2 | 168 | 0.0 | 1.0 | 0.3                         | 0.0 | 1.0   | 0.917 | 86.2 | -54.7 | 1.0            | 54.8 | 179 | 0.0 | 1.0 | 0.3   |              |              |              |
| 181                                                                                                                                                                                                                                                                                                                                                                                                                           | 169        | 180        | 0.0               | 1.0   | 0.926 | 86.3 | -53.9 | -0.8  | 54.0                        | 181               | 0.0 | 1.0   | 0.86  | 85.7 | -58.2             | 11.3  | 59.4 | 169 | 0.0 | 1.0 | 0.317                       | 0.0 | 1.0   | 0.921 | 86.3 | -54.3 | 0.0            | 54.4 | 180 | 0.0 | 1.0 | 0.317 |              |              |              |
| 182                                                                                                                                                                                                                                                                                                                                                                                                                           | 170        | 180        | 0.0               | 1.0   | 0.931 | 86.4 | -53.5 | -1.8  | 53.6                        | 182               | 0.0 | 1.0   | 0.874 | 85.8 | -57.5             | 10.2  | 58.5 | 170 | 0.0 | 1.0 | 0.333                       | 0.0 | 1.0   | 0.921 | 86.3 | -54.3 | 0.0            | 54.4 | 180 | 0.0 | 1.0 | 0.333 |              |              |              |
| 183                                                                                                                                                                                                                                                                                                                                                                                                                           | 171        | 181        | 0.0               | 1.0   | 0.935 | 86.4 | -53.0 | -2.7  | 53.2                        | 183               | 0.0 | 1.0   | 0.879 | 85.8 | -57.2             | 9.1   | 58.0 | 171 | 0.0 | 1.0 | 0.35                        | 0.0 | 1.0   | 0.926 | 86.3 | -53.9 | -0.8           | 54.0 | 181 | 0.0 | 1.0 | 0.35  |              |              |              |
| 184                                                                                                                                                                                                                                                                                                                                                                                                                           | 172        | 182        | 0.0               | 1.0   | 0.94  | 86.5 | -52.6 | -3.6  | 52.8                        | 184               | 0.0 | 1.0   | 0.884 | 85.9 | -57.0             | 8.0   | 57.6 | 172 | 0.0 | 1.0 | 0.367                       | 0.0 | 1.0   | 0.931 | 86.4 | -53.5 | -1.8           | 53.6 | 182 | 0.0 | 1.0 | 0.367 |              |              |              |
| 185                                                                                                                                                                                                                                                                                                                                                                                                                           | 173        | 183        | 0.0               | 1.0   | 0.945 | 86.5 | -52.1 | -4.5  | 52.4                        | 185               | 0.0 | 1.0   | 0.888 | 85.9 | -56.7             | 7.0   | 57.2 | 173 | 0.0 | 1.0 | 0.383                       | 0.0 | 1.0   | 0.935 | 86.4 | -53.0 | -2.7           | 53.2 | 183 | 0.0 | 1.0 | 0.383 |              |              |              |
| 186                                                                                                                                                                                                                                                                                                                                                                                                                           | 174        | 184        | 0.0               | 1.0   | 0.949 | 86.6 | -51.6 | -5.3  | 52.0                        | 186               | 0.0 | 1.0   | 0.893 | 86.0 | -56.4             | 5.9   | 56.8 | 174 | 0.0 | 1.0 | 0.4                         | 0.0 | 1.0   | 0.94  | 86.5 | -52.6 | -3.6           | 52.8 | 184 | 0.0 | 1.0 | 0.4   |              |              |              |
| 187                                                                                                                                                                                                                                                                                                                                                                                                                           | 175        | 185        | 0.0               | 1.0   | 0.954 | 86.6 | -51.1 | -6.2  | 51.6                        | 187               | 0.0 | 1.0   | 0.898 | 86.0 | -56.1             | 4.9   | 56.4 | 175 | 0.0 | 1.0 | 0.417                       | 0.0 | 1.0   | 0.945 | 86.5 | -52.1 | -4.5           | 52.4 | 185 | 0.0 | 1.0 | 0.417 |              |              |              |
| 188                                                                                                                                                                                                                                                                                                                                                                                                                           | 176        | 186        | 0.0               | 1.0   | 0.959 | 86.6 | -50.6 | -7.0  | 51.2                        | 188               | 0.0 | 1.0   | 0.903 | 86.1 | -55.8             | 3.9   | 56.0 | 176 | 0.0 | 1.0 | 0.433                       | 0.0 | 1.0   | 0.949 | 86.6 | -51.6 | -5.3           | 52.0 | 186 | 0.0 | 1.0 | 0.433 |              |              |              |
| 189                                                                                                                                                                                                                                                                                                                                                                                                                           | 177        | 187        | 0.0               | 1.0   | 0.963 | 86.7 | -50.0 | -7.8  | 50.8                        | 189               | 0.0 | 1.0   | 0.907 | 86.1 | -55.4             | 2.9   | 55.6 | 177 | 0.0 | 1.0 | 0.45                        | 0.0 | 1.0   | 0.954 | 86.6 | -51.1 | -6.2           | 51.6 | 187 | 0.0 | 1.0 | 0.45  |              |              |              |
| 190                                                                                                                                                                                                                                                                                                                                                                                                                           | 178        | 188        | 0.0               | 1.0   | 0.968 | 86.7 | -49.5 | -8.6  | 50.4                        | 190               | 0.0 | 1.0   | 0.912 | 86.2 | -55.1             | 1.9   | 55.2 | 178 | 0.0 | 1.0 | 0.467                       | 0.0 | 1.0   | 0.959 | 86.6 | -50.6 | -7.0           | 51.2 | 188 | 0.0 | 1.0 | 0.467 |              |              |              |
| 191                                                                                                                                                                                                                                                                                                                                                                                                                           | 179        | 189        | 0.0               | 1.0   | 0.973 | 86.8 | -48.9 | -9.4  | 50.0                        | 191               | 0.0 | 1.0   | 0.917 | 86.2 | -54.7             | 1.0   | 54.8 | 179 | 0.0 | 1.0 | 0.483                       | 0.0 | 1.0   | 0.963 | 86.7 | -50.0 | -7.8           | 50.8 | 189 | 0.0 | 1.0 | 0.483 |              |              |              |
| 192                                                                                                                                                                                                                                                                                                                                                                                                                           | 180        | 190        | 0.0               | 1.0   | 0.977 | 86.8 | -48.4 | -10.2 | 49.6                        | 192               | 0.0 | 1.0   | 0.921 | 86.3 | -54.3             | 0.0   | 54.4 | 180 | 0.0 | 1.0 | 0.5                         | 0.0 | 1.0   | 0.968 | 86.7 | -49.5 | -8.6           | 50.4 | 190 | 0.0 | 1.0 | 0.5   |              |              |              |
| 193                                                                                                                                                                                                                                                                                                                                                                                                                           | 181        | 191        | 0.0               | 1.0   | 0.982 | 86.9 | -47.8 | -11.0 | 49.1                        | 193               | 0.0 | 1.0   | 0.926 | 86.3 | -53.9             | -0.8  | 54.0 | 181 | 0.0 | 1.0 | 0.517                       | 0.0 | 1.0   | 0.973 | 86.8 | -48.9 | -9.4           | 50.0 | 191 | 0.0 | 1.0 | 0.517 |              |              |              |
| 194                                                                                                                                                                                                                                                                                                                                                                                                                           | 182        | 191        | 0.0               | 1.0   | 0.987 | 86.9 | -47.2 | -11.7 | 48.7                        | 194               | 0.0 | 1.0   | 0.931 | 86.4 | -53.5             | -1.8  | 53.6 | 182 | 0.0 | 1.0 | 0.533                       | 0.0 | 1.0   | 0.973 | 86.8 | -48.9 | -9.4           | 50.0 | 191 | 0.0 | 1.0 | 0.533 |              |              |              |
| 195                                                                                                                                                                                                                                                                                                                                                                                                                           | 183        | 192        | 0.0               | 1.0   | 0.991 | 87.0 | -46.6 | -12.4 | 48.3                        | 195               | 0.0 | 1.0   | 0.935 | 86.4 | -53.0             | -2.7  | 53.2 | 183 | 0.0 | 1.0 | 0.55                        | 0.0 | 1.0   | 0.977 | 86.8 | -48.4 | -10.2          | 49.6 | 192 | 0.0 | 1.0 | 0.55  |              |              |              |
| 196                                                                                                                                                                                                                                                                                                                                                                                                                           | 184        | 193        | 0.0               | 1.0   | 0.996 | 87.0 | -46.0 | -13.1 | 47.9                        | 196C <sub>d</sub> | 0.0 | 1.0   | 0.94  | 86.5 | -52.6             | -3.6  | 52.8 | 184 | 0.0 | 1.0 | 0.567                       | 0.0 | 1.0   | 0.982 | 86.9 | -47.8 | -11.0          | 49.1 | 193 | 0.0 | 1.0 | 0.567 |              |              |              |
| 197                                                                                                                                                                                                                                                                                                                                                                                                                           | 185        | 194        | 0.0               | 1.0   | 1.0   | 87.0 | -45.4 | -13.8 | 47.6                        | 197               | 0.0 | 1.0   | 0.945 | 86.5 | -52.1             | -4.5  | 52.4 | 185 | 0.0 | 1.0 | 0.583                       | 0.0 | 1.0   | 0.987 | 86.9 | -47.2 | -11.7          | 48.7 | 194 | 0.0 | 1.0 | 0.583 |              |              |              |
| 198                                                                                                                                                                                                                                                                                                                                                                                                                           | 186        | 195        | 0.0               | 0.996 | 1.0   | 86.7 | -45.0 | -14.6 | 47.4                        | 198               | 0.0 | 1.0   | 0.949 | 86.6 | -51.6             | -5.3  | 52.0 | 186 | 0.0 | 1.0 | 0.6                         | 0.0 | 1.0   | 0.991 | 87.0 | -46.6 | -12.4          | 48.3 | 195 | 0.0 | 1.0 | 0.6   |              |              |              |
| 199                                                                                                                                                                                                                                                                                                                                                                                                                           | 187        | 196        | 0.0               | 0.992 | 1.0   | 86.3 | -44.6 | -15.3 | 47.3                        | 199               | 0.0 | 1.0   | 0.954 | 86.6 | -51.1             | -6.2  | 51.6 | 187 | 0.0 | 1.0 | 0.617                       | 0.0 | 1.0   | 0.996 | 87.0 | -46.0 | -13.1          | 47.9 | 196 | 0.0 | 1.0 | 0.617 |              |              |              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                           | 188        | 197        | 0.0               | 0.988 | 1.0   | 86.0 | -44.2 | -16.0 | 47.2                        | 200               | 0.0 | 1.0   | 0.959 | 86.6 | -50.6             | -7.0  | 51.2 | 188 | 0.0 | 1.0 | 0.633                       | 0.0 | 1.0   | 1.0   | 87.0 | -45.4 | -13.8          | 47.6 | 197 | 0.0 | 1.0 | 0.633 |              |              |              |
| 201                                                                                                                                                                                                                                                                                                                                                                                                                           | 189        | 198        | 0.0               | 0.985 | 1.0   | 85.6 | -43.8 | -16.8 | 47.0                        | 201               | 0.0 | 1.0   | 0.963 | 86.7 | -50.0             | -7.8  | 50.8 | 189 | 0.0 | 1.0 | 0.65                        | 0.0 | 0.996 | 1.0   | 86.7 | -45.0 | -14.6          | 47.4 | 198 | 0.0 | 1.0 | 0.65  |              |              |              |
| 202                                                                                                                                                                                                                                                                                                                                                                                                                           | 190        | 199        | 0.0               | 0.981 | 1.0   | 85.2 | -43.4 | -17.5 | 46.9                        | 202               | 0.0 | 1.0   | 0.968 | 86.7 | -49.5             | -8.6  | 50.4 | 190 | 0.0 | 1.0 | 0.667                       | 0.0 | 0.992 | 1.0   | 86.3 | -44.6 | -15.3          | 47.3 | 199 | 0.0 | 1.0 | 0.667 |              |              |              |
| 203                                                                                                                                                                                                                                                                                                                                                                                                                           | 191        | 200        | 0.0               | 0.977 | 1.0   | 84.9 | -42.9 | -18.2 | 46.8                        | 203               | 0.0 | 1.0   | 0.973 | 86.8 | -48.9             | -9.4  | 50.0 | 191 | 0.0 | 1.0 | 0.683                       | 0.0 | 0.988 | 1.0   | 86.0 | -44.2 | -16.0          | 47.2 | 200 | 0.0 | 1.0 | 0.683 |              |              |              |
| 204                                                                                                                                                                                                                                                                                                                                                                                                                           | 192        | 201        | 0.0               | 0.973 | 1.0   | 84.5 | -42.5 | -18.9 | 46.6                        | 204               | 0.0 | 1.0   | 0.977 | 86.8 | -48.4             | -10.2 | 49.6 | 192 | 0.0 | 1.0 | 0.7                         | 0.0 | 0.985 | 1.0   | 85.6 | -43.8 | -16.8          | 47.0 | 201 | 0.0 | 1.0 | 0.7   |              |              |              |
| 205                                                                                                                                                                                                                                                                                                                                                                                                                           | 193        | 201        | 0.0               | 0.97  | 1.0   | 84.2 | -42.0 | -19.5 | 46.5                        | 205               | 0.0 | 1.0   | 0.982 | 86.9 | -47.8             | -11.0 | 49.1 | 193 | 0.0 | 1.0 | 0.717                       | 0.0 | 0.985 | 1.0   | 85.6 | -43.8 | -16.8          | 47.0 | 201 | 0.0 | 1.0 | 0.717 |              |              |              |
| 206                                                                                                                                                                                                                                                                                                                                                                                                                           | 194        | 202        | 0.0               | 0.966 | 1.0   | 83.8 | -41.6 | -20.2 | 46.3                        | 206               | 0.0 | 1.0   | 0.987 | 86.9 | -47.2             | -11.7 | 48.7 | 194 | 0.0 | 1.0 | 0.733                       | 0.0 | 0.981 | 1.0   | 85.2 | -43.4 | -17.5          | 46.9 | 202 | 0.0 | 1.0 | 0.733 |              |              |              |
| 207                                                                                                                                                                                                                                                                                                                                                                                                                           | 195        | 203        | 0.0               | 0.962 | 1.0   | 83.5 | -41.1 | -20.9 | 46.2                        | 207               | 0.0 | 1.0   | 0.991 | 87.0 | -46.6             | -12.4 | 48.3 | 195 | 0.0 | 1.0 | 0.75                        | 0.0 | 0.977 | 1.0   | 84.9 | -42.9 | -18.2          | 46.8 | 203 | 0.0 | 1.0 | 0.75  |              |              |              |
| 208                                                                                                                                                                                                                                                                                                                                                                                                                           | 196        | 204        | 0.0               | 0.958 | 1.0   | 83.1 | -40.6 | -21.5 | 46.1                        | 208               | 0.0 | 1.0   | 0.996 | 87.0 | -46.0             | -13.1 | 47.9 | 196 | 0.0 | 1.0 | 0.767                       | 0.0 | 0.973 | 1.0   | 84.5 | -42.5 | -18.9          | 46.6 | 204 | 0.0 | 1.0 | 0.767 |              |              |              |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                           | 197        | 205        | 0.0               | 0.955 | 1.0   | 82.8 | -40.1 | -22.2 | 45.9                        | 209               | 0.0 | 1.0   | 1.0   | 87.0 | -45.4             | -13.8 | 47.6 | 197 | 0.0 | 1.0 | 0.783                       | 0.0 | 0.97  | 1.0   | 84.2 | -42.0 | -19.5          | 46.5 | 205 | 0.0 | 1.0 | 0.783 |              |              |              |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                           | 198        | 206        | 0.0               | 0.951 | 1.0   | 82.4 | -39.6 | -22.8 | 45.8                        | 210               | 0.0 | 0.996 | 1.0   | 86.7 | -45.0             | -14.6 | 47.4 | 198 | 0.0 | 1.0 | 0.8                         | 0.0 | 0.966 | 1.0   | 83.8 | -41.6 | -20.2          | 46.3 | 206 | 0.0 | 1.0 | 0.8   |              |              |              |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                           | 199        | 207        | 0.0               | 0.947 | 1.0   | 82.0 | -39.0 | -23.4 | 45.7                        | 211               | 0.0 | 0.992 | 1.0   | 86.3 | -44.6             | -15.3 | 47.3 | 199 | 0.0 | 1.0 | 0.817                       | 0.0 | 0.962 | 1.0   | 83.5 | -41.1 | -20.9          | 46.2 | 207 | 0.0 | 1.0 | 0.817 |              |              |              |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                           | 200        | 208        | 0.0               | 0.944 | 1.0   | 81.7 | -38.5 | -24.0 | 45.5                        | 212               | 0.0 | 0.988 | 1.0   | 86.0 | -44.2             | -16.0 | 47.2 | 200 | 0.0 | 1.0 | 0.833                       | 0.0 | 0.958 | 1.0   | 83.1 | -40.6 | -21.5          | 46.1 | 208 | 0.0 | 1.0 | 0.833 |              |              |              |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                           | 201        | 209        | 0.0               | 0.94  | 1.0   | 81.3 | -38.0 | -24.6 | 45.4                        | 213               | 0.0 | 0.985 | 1.0   | 85.6 | -43.8             | -16.8 | 47.0 | 201 | 0.0 | 1.0 | 0.85                        | 0.0 | 0.955 | 1.0   | 82.8 | -40.1 | -22.2          | 45.9 | 209 | 0.0 | 1.0 | 0.85  |              |              |              |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                           | 202        | 210        | 0.0               | 0.936 | 1.0   | 81.0 | -37.4 | -25.2 | 45.3                        | 214               | 0.0 | 0.981 | 1.0   | 85.2 | -43.4             | -17.5 | 46.9 | 202 | 0.0 | 1.0 | 0.867                       | 0.0 | 0.951 | 1.0   | 82.4 | -39.6 | -22.8          |      |     |     |     |       |              |              |              |

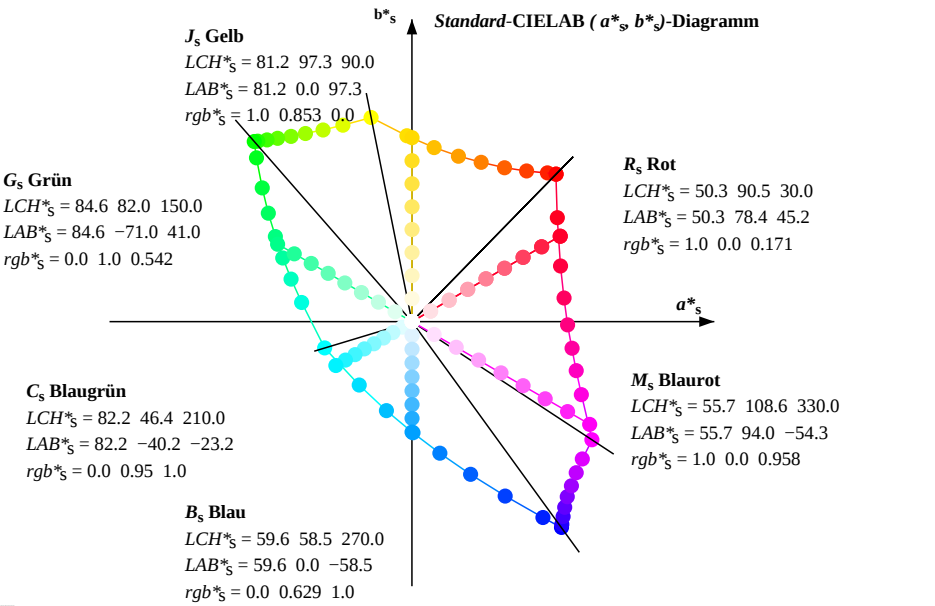
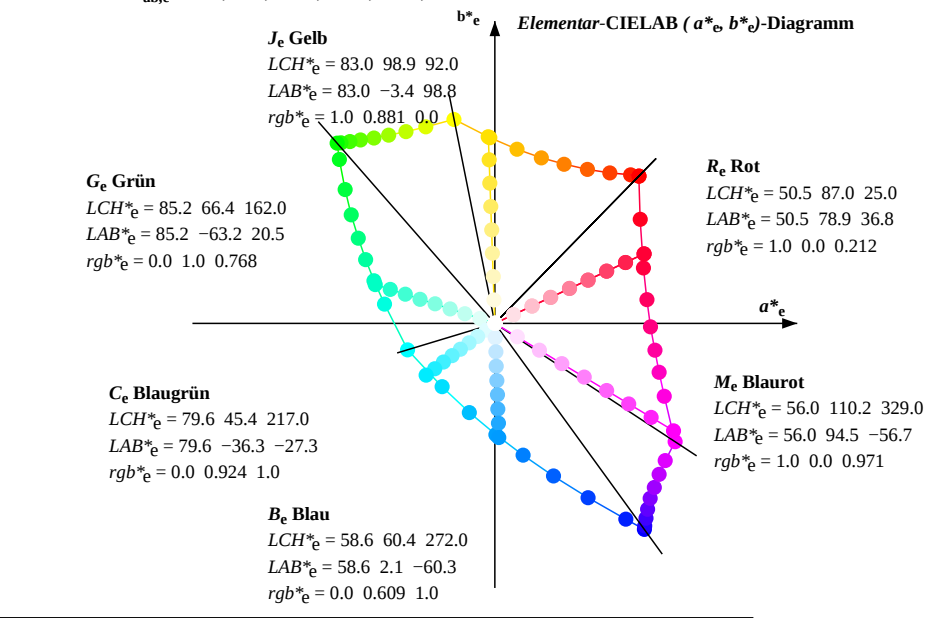
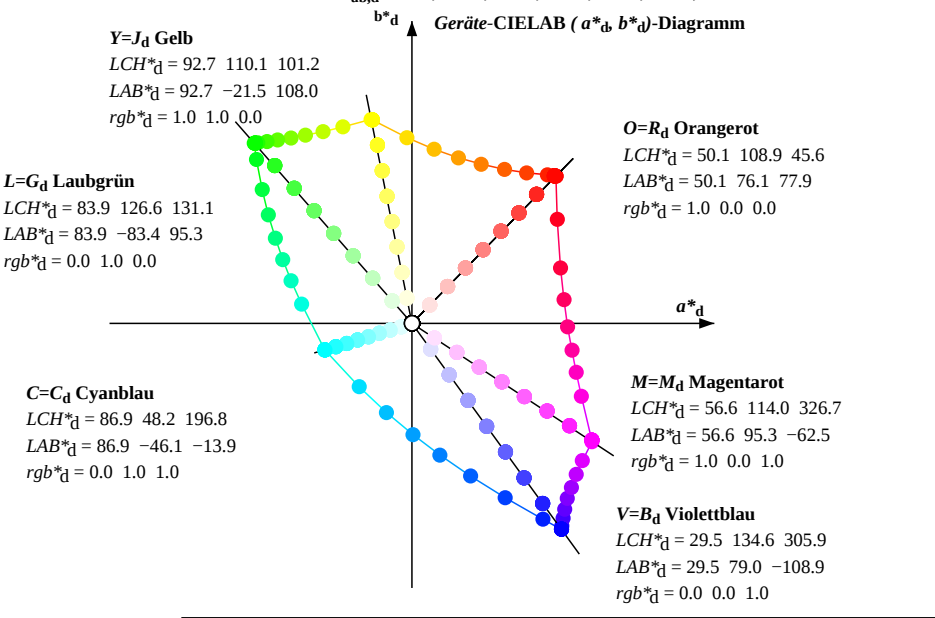
| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 151.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |       |     |                            |       |       |                   |     |     |                             |     |      |                |       |      |                   |     |       |                             |       |     |                |     |      |              |       |      |              |              |       |     |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-------|-----|----------------------------|-------|-------|-------------------|-----|-----|-----------------------------|-----|------|----------------|-------|------|-------------------|-----|-------|-----------------------------|-------|-----|----------------|-----|------|--------------|-------|------|--------------|--------------|-------|-----|-------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                             | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ |       |     | $LAB^*_{d361Mix}(x=LabCh)$ |       |       | $rgb^*_{ds361Mi}$ |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |      | $rgb^*_{s50M}$ |       |      | $rgb^*_{de361Mi}$ |     |       | $LAB^*_{de361Mix}(x=LabCh)$ |       |     | $rgb^*_{e50M}$ |     |      | $rgb^*_{dd}$ |       |      | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |     |       |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                    | 210        | 217        | 0.0              | 0.906 | 1.0 | 78.1                       | -32.7 | -29.5 | 44.2              | 222 | 0.0 | 0.951                       | 1.0 | 82.4 | -39.6          | -22.8 | 45.8 | 210               | 0.0 | 1.0   | 1.0                         | $C_s$ | 0.0 | 0.925          | 1.0 | 79.9 | -35.7        | -26.9 | 44.8 | 217          | 0.0          | 1.0   | 1.0 | $C_e$ |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                    | 211        | 218        | 0.0              | 0.902 | 1.0 | 77.8                       | -32.1 | -29.9 | 44.0              | 223 | 0.0 | 0.947                       | 1.0 | 82.0 | -39.0          | -23.4 | 45.7 | 211               | 0.0 | 0.983 | 1.0                         |       | 0.0 | 0.921          | 1.0 | 79.5 | -35.1        | -27.4 | 44.7 | 218          | 0.0          | 0.983 | 1.0 |       |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                    | 212        | 219        | 0.0              | 0.899 | 1.0 | 77.4                       | -31.5 | -30.4 | 43.9              | 224 | 0.0 | 0.944                       | 1.0 | 81.7 | -38.5          | -24.0 | 45.5 | 212               | 0.0 | 0.967 | 1.0                         |       | 0.0 | 0.917          | 1.0 | 79.2 | -34.5        | -27.9 | 44.6 | 219          | 0.0          | 0.967 | 1.0 |       |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                    | 213        | 220        | 0.0              | 0.895 | 1.0 | 77.1                       | -30.8 | -30.8 | 43.8              | 225 | 0.0 | 0.94                        | 1.0 | 81.3 | -38.0          | -24.6 | 45.4 | 213               | 0.0 | 0.95  | 1.0                         |       | 0.0 | 0.914          | 1.0 | 78.8 | -33.9        | -28.5 | 44.4 | 220          | 0.0          | 0.95  | 1.0 |       |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                    | 214        | 221        | 0.0              | 0.891 | 1.0 | 76.7                       | -30.2 | -31.3 | 43.6              | 226 | 0.0 | 0.936                       | 1.0 | 81.0 | -37.4          | -25.2 | 45.3 | 214               | 0.0 | 0.933 | 1.0                         |       | 0.0 | 0.91           | 1.0 | 78.5 | -33.3        | -29.0 | 44.3 | 221          | 0.0          | 0.933 | 1.0 |       |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                    | 215        | 222        | 0.0              | 0.887 | 1.0 | 76.3                       | -29.6 | -31.7 | 43.5              | 227 | 0.0 | 0.932                       | 1.0 | 80.6 | -36.9          | -25.8 | 45.1 | 215               | 0.0 | 0.917 | 1.0                         |       | 0.0 | 0.906          | 1.0 | 78.1 | -32.7        | -29.5 | 44.2 | 222          | 0.0          | 0.917 | 1.0 |       |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                    | 216        | 222        | 0.0              | 0.884 | 1.0 | 76.0                       | -28.9 | -32.1 | 43.3              | 228 | 0.0 | 0.929                       | 1.0 | 80.3 | -36.3          | -26.3 | 45.0 | 216               | 0.0 | 0.9   | 1.0                         |       | 0.0 | 0.906          | 1.0 | 78.1 | -32.7        | -29.5 | 44.2 | 222          | 0.0          | 0.9   | 1.0 |       |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                    | 217        | 223        | 0.0              | 0.88  | 1.0 | 75.6                       | -28.2 | -32.5 | 43.2              | 229 | 0.0 | 0.925                       | 1.0 | 79.9 | -35.7          | -26.9 | 44.8 | 217               | 0.0 | 0.883 | 1.0                         |       | 0.0 | 0.902          | 1.0 | 77.8 | -32.1        | -29.9 | 44.0 | 223          | 0.0          | 0.883 | 1.0 |       |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                    | 218        | 224        | 0.0              | 0.876 | 1.0 | 75.3                       | -27.6 | -32.9 | 43.1              | 230 | 0.0 | 0.921                       | 1.0 | 79.5 | -35.1          | -27.4 | 44.7 | 218               | 0.0 | 0.867 | 1.0                         |       | 0.0 | 0.899          | 1.0 | 77.4 | -31.5        | -30.4 | 43.9 | 224          | 0.0          | 0.867 | 1.0 |       |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                    | 219        | 225        | 0.0              | 0.872 | 1.0 | 74.9                       | -27.1 | -33.5 | 43.2              | 231 | 0.0 | 0.917                       | 1.0 | 79.2 | -34.5          | -27.9 | 44.6 | 219               | 0.0 | 0.85  | 1.0                         |       | 0.0 | 0.895          | 1.0 | 77.1 | -30.8        | -30.8 | 43.8 | 225          | 0.0          | 0.85  | 1.0 |       |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                    | 220        | 226        | 0.0              | 0.866 | 1.0 | 74.6                       | -26.6 | -34.1 | 43.4              | 232 | 0.0 | 0.914                       | 1.0 | 78.8 | -33.9          | -28.5 | 44.4 | 220               | 0.0 | 0.833 | 1.0                         |       | 0.0 | 0.891          | 1.0 | 76.7 | -30.2        | -31.3 | 43.6 | 226          | 0.0          | 0.833 | 1.0 |       |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                    | 221        | 227        | 0.0              | 0.861 | 1.0 | 74.2                       | -26.1 | -34.7 | 43.6              | 233 | 0.0 | 0.91                        | 1.0 | 78.5 | -33.3          | -29.0 | 44.3 | 221               | 0.0 | 0.817 | 1.0                         |       | 0.0 | 0.887          | 1.0 | 76.3 | -29.6        | -31.7 | 43.5 | 227          | 0.0          | 0.817 | 1.0 |       |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                    | 222        | 228        | 0.0              | 0.856 | 1.0 | 73.9                       | -25.7 | -35.4 | 43.8              | 234 | 0.0 | 0.906                       | 1.0 | 78.1 | -32.7          | -29.5 | 44.2 | 222               | 0.0 | 0.8   | 1.0                         |       | 0.0 | 0.884          | 1.0 | 76.0 | -28.9        | -32.1 | 43.3 | 228          | 0.0          | 0.8   | 1.0 |       |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                    | 223        | 229        | 0.0              | 0.85  | 1.0 | 73.6                       | -25.2 | -36.0 | 44.1              | 235 | 0.0 | 0.902                       | 1.0 | 77.8 | -32.1          | -29.9 | 44.0 | 223               | 0.0 | 0.783 | 1.0                         |       | 0.0 | 0.88           | 1.0 | 75.6 | -28.2        | -32.5 | 43.2 | 229          | 0.0          | 0.783 | 1.0 |       |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                    | 224        | 230        | 0.0              | 0.845 | 1.0 | 73.2                       | -24.7 | -36.6 | 44.3              | 236 | 0.0 | 0.899                       | 1.0 | 77.4 | -31.5          | -30.4 | 43.9 | 224               | 0.0 | 0.767 | 1.0                         |       | 0.0 | 0.876          | 1.0 | 75.3 | -27.6        | -32.9 | 43.1 | 230          | 0.0          | 0.767 | 1.0 |       |
| 237                                                                                                                                                                                                                                                                                                                                                                                                                    | 225        | 231        | 0.0              | 0.84  | 1.0 | 72.9                       | -24.1 | -37.2 | 44.5              | 237 | 0.0 | 0.895                       | 1.0 | 77.1 | -30.8          | -30.8 | 43.8 | 225               | 0.0 | 0.75  | 1.0                         |       | 0.0 | 0.872          | 1.0 | 74.9 | -27.1        | -33.5 | 43.2 | 231          | 0.0          | 0.75  | 1.0 |       |
| 238                                                                                                                                                                                                                                                                                                                                                                                                                    | 226        | 232        | 0.0              | 0.835 | 1.0 | 72.5                       | -23.6 | -37.8 | 44.7              | 238 | 0.0 | 0.891                       | 1.0 | 76.7 | -30.2          | -31.3 | 43.6 | 226               | 0.0 | 0.733 | 1.0                         |       | 0.0 | 0.866          | 1.0 | 74.6 | -26.6        | -34.1 | 43.4 | 232          | 0.0          | 0.733 | 1.0 |       |
| 239                                                                                                                                                                                                                                                                                                                                                                                                                    | 227        | 232        | 0.0              | 0.829 | 1.0 | 72.2                       | -23.0 | -38.4 | 44.9              | 239 | 0.0 | 0.887                       | 1.0 | 76.3 | -29.6          | -31.7 | 43.5 | 227               | 0.0 | 0.717 | 1.0                         |       | 0.0 | 0.866          | 1.0 | 74.6 | -26.6        | -34.1 | 43.4 | 232          | 0.0          | 0.717 | 1.0 |       |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                    | 228        | 233        | 0.0              | 0.824 | 1.0 | 71.8                       | -22.5 | -39.0 | 45.2              | 240 | 0.0 | 0.884                       | 1.0 | 76.0 | -28.9          | -32.1 | 43.3 | 228               | 0.0 | 0.7   | 1.0                         |       | 0.0 | 0.861          | 1.0 | 74.2 | -26.1        | -34.7 | 43.6 | 233          | 0.0          | 0.7   | 1.0 |       |
| 241                                                                                                                                                                                                                                                                                                                                                                                                                    | 229        | 234        | 0.0              | 0.819 | 1.0 | 71.5                       | -21.9 | -39.6 | 45.4              | 241 | 0.0 | 0.88                        | 1.0 | 75.6 | -28.2          | -32.5 | 43.2 | 229               | 0.0 | 0.683 | 1.0                         |       | 0.0 | 0.856          | 1.0 | 73.9 | -25.7        | -35.4 | 43.8 | 234          | 0.0          | 0.683 | 1.0 |       |
| 242                                                                                                                                                                                                                                                                                                                                                                                                                    | 230        | 235        | 0.0              | 0.814 | 1.0 | 71.2                       | -21.3 | -40.2 | 45.6              | 242 | 0.0 | 0.876                       | 1.0 | 75.3 | -27.6          | -32.9 | 43.1 | 230               | 0.0 | 0.667 | 1.0                         |       | 0.0 | 0.85           | 1.0 | 73.6 | -25.2        | -36.0 | 44.1 | 235          | 0.0          | 0.667 | 1.0 |       |
| 243                                                                                                                                                                                                                                                                                                                                                                                                                    | 231        | 236        | 0.0              | 0.808 | 1.0 | 70.8                       | -20.7 | -40.7 | 45.8              | 243 | 0.0 | 0.872                       | 1.0 | 74.9 | -27.1          | -33.5 | 43.2 | 231               | 0.0 | 0.65  | 1.0                         |       | 0.0 | 0.845          | 1.0 | 73.2 | -24.7        | -36.6 | 44.3 | 236          | 0.0          | 0.65  | 1.0 |       |
| 244                                                                                                                                                                                                                                                                                                                                                                                                                    | 232        | 237        | 0.0              | 0.803 | 1.0 | 70.5                       | -20.1 | -41.3 | 46.1              | 244 | 0.0 | 0.866                       | 1.0 | 74.6 | -26.6          | -34.1 | 43.4 | 232               | 0.0 | 0.633 | 1.0                         |       | 0.0 | 0.84           | 1.0 | 72.9 | -24.1        | -37.2 | 44.5 | 237          | 0.0          | 0.633 | 1.0 |       |
| 245                                                                                                                                                                                                                                                                                                                                                                                                                    | 233        | 238        | 0.0              | 0.798 | 1.0 | 70.1                       | -19.5 | -41.8 | 46.3              | 245 | 0.0 | 0.861                       | 1.0 | 74.2 | -26.1          | -34.7 | 43.6 | 233               | 0.0 | 0.617 | 1.0                         |       | 0.0 | 0.835          | 1.0 | 72.5 | -23.6        | -37.8 | 44.7 | 238          | 0.0          | 0.617 | 1.0 |       |
| 246                                                                                                                                                                                                                                                                                                                                                                                                                    | 234        | 239        | 0.0              | 0.793 | 1.0 | 69.8                       | -18.8 | -42.4 | 46.5              | 246 | 0.0 | 0.856                       | 1.0 | 73.9 | -25.7          | -35.4 | 43.8 | 234               | 0.0 | 0.6   | 1.0                         |       | 0.0 | 0.829          | 1.0 | 72.2 | -23.0        | -38.4 | 44.9 | 239          | 0.0          | 0.6   | 1.0 |       |
| 247                                                                                                                                                                                                                                                                                                                                                                                                                    | 235        | 240        | 0.0              | 0.787 | 1.0 | 69.4                       | -18.2 | -42.9 | 46.7              | 247 | 0.0 | 0.85                        | 1.0 | 73.6 | -25.2          | -36.0 | 44.1 | 235               | 0.0 | 0.583 | 1.0                         |       | 0.0 | 0.824          | 1.0 | 71.8 | -22.5        | -39.0 | 45.2 | 240          | 0.0          | 0.583 | 1.0 |       |
| 248                                                                                                                                                                                                                                                                                                                                                                                                                    | 236        | 241        | 0.0              | 0.782 | 1.0 | 69.1                       | -17.5 | -43.4 | 46.9              | 248 | 0.0 | 0.845                       | 1.0 | 73.2 | -24.7          | -36.6 | 44.3 | 236               | 0.0 | 0.567 | 1.0                         |       | 0.0 | 0.819          | 1.0 | 71.5 | -21.9        | -39.6 | 45.4 | 241          | 0.0          | 0.567 | 1.0 |       |
| 249                                                                                                                                                                                                                                                                                                                                                                                                                    | 237        | 242        | 0.0              | 0.777 | 1.0 | 68.8                       | -16.8 | -43.9 | 47.2              | 249 | 0.0 | 0.84                        | 1.0 | 72.9 | -24.1          | -37.2 | 44.5 | 237               | 0.0 | 0.55  | 1.0                         |       | 0.0 | 0.814          | 1.0 | 71.2 | -21.3        | -40.2 | 45.6 | 242          | 0.0          | 0.55  | 1.0 |       |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                    | 238        | 243        | 0.0              | 0.772 | 1.0 | 68.4                       | -16.1 | -44.4 | 47.4              | 250 | 0.0 | 0.835                       | 1.0 | 72.5 | -23.6          | -37.8 | 44.7 | 238               | 0.0 | 0.533 | 1.0                         |       | 0.0 | 0.808          | 1.0 | 70.8 | -20.7        | -40.7 | 45.8 | 243          | 0.0          | 0.533 | 1.0 |       |
| 251                                                                                                                                                                                                                                                                                                                                                                                                                    | 239        | 243        | 0.0              | 0.766 | 1.0 | 68.1                       | -15.4 | -44.9 | 47.6              | 251 | 0.0 | 0.829                       | 1.0 | 72.2 | -23.0          | -38.4 | 44.9 | 239               | 0.0 | 0.517 | 1.0                         |       | 0.0 | 0.808          | 1.0 | 70.8 | -20.7        | -40.7 | 45.8 | 243          | 0.0          | 0.517 | 1.0 |       |
| 252                                                                                                                                                                                                                                                                                                                                                                                                                    | 240        | 244        | 0.0              | 0.761 | 1.0 | 67.7                       | -14.7 | -45.4 | 47.8              | 252 | 0.0 | 0.824                       | 1.0 | 71.8 | -22.5          | -39.0 | 45.2 | 240               | 0.0 | 0.5   | 1.0                         |       | 0.0 | 0.803          | 1.0 | 70.5 | -20.1        | -41.3 | 46.1 | 244          | 0.0          | 0.5   | 1.0 |       |
| 253                                                                                                                                                                                                                                                                                                                                                                                                                    | 241        | 245        | 0.0              | 0.756 | 1.0 | 67.4                       | -13.9 | -45.8 | 48.0              | 253 | 0.0 | 0.819                       | 1.0 | 71.5 | -21.9          | -39.6 | 45.4 | 241               | 0.0 | 0.483 | 1.0                         |       | 0.0 | 0.798          | 1.0 | 70.1 | -19.5        | -41.8 | 46.3 | 245          | 0.0          | 0.483 | 1.0 |       |
| 254                                                                                                                                                                                                                                                                                                                                                                                                                    | 242        | 246        | 0.0              | 0.75  | 1.0 | 67.0                       | -13.2 | -46.3 | 48.3              | 254 | 0.0 | 0.814                       | 1.0 | 71.2 | -21.3          | -40.2 | 45.6 | 242               | 0.0 | 0.467 | 1.0                         |       | 0.0 | 0.793          | 1.0 | 69.8 | -18.8        | -42.4 | 46.5 | 246          | 0.0          | 0.467 | 1.0 |       |
| 255                                                                                                                                                                                                                                                                                                                                                                                                                    | 243        | 247        | 0.0              | 0.743 | 1.0 | 66.6                       | -12.5 | -47.1 | 48.8              | 255 | 0.0 | 0.808                       | 1.0 | 70.8 | -20.7          | -40.7 | 45.8 | 243               | 0.0 | 0.45  | 1.0                         |       | 0.0 | 0.787          | 1.0 | 69.4 | -18.2        | -42.9 | 46.7 | 247          | 0.0          | 0.45  | 1.0 |       |
| 256                                                                                                                                                                                                                                                                                                                                                                                                                    | 244        | 248        | 0.0              | 0.735 | 1.0 | 66.2                       | -11.9 | -47.8 | 49.4              | 256 | 0.0 | 0.803                       | 1.0 | 70.5 | -20.1          | -41.3 | 46.1 | 244               | 0.0 | 0.433 | 1.0                         |       | 0.0 | 0.782          | 1.0 | 69.1 | -17.5        | -43.4 | 46.9 | 248          | 0.0          | 0.433 | 1.0 |       |
| 257                                                                                                                                                                                                                                                                                                                                                                                                                    | 245        | 249        | 0.0              | 0.728 | 1.0 | 65.8                       | -11.1 | -48.6 | 50.0              | 257 | 0.0 | 0.798                       | 1.0 | 70.1 | -19.5          | -41.8 | 46.3 | 245               | 0.0 | 0.417 | 1.0                         |       | 0.0 | 0.777          | 1.0 | 68.8 | -16.8        | -43.9 | 47.2 | 249          | 0.0          | 0.417 | 1.0 |       |
| 258                                                                                                                                                                                                                                                                                                                                                                                                                    | 246        | 250        | 0.0              | 0.72  | 1.0 | 65.3                       | -10.4 | -49.4 | 50.6              | 258 | 0.0 | 0.793                       | 1.0 | 69.8 | -18.8          | -42.4 | 46.5 | 246               | 0.0 | 0.4   | 1.0                         |       | 0.0 | 0.772          | 1.0 | 68.4 | -16.1        | -44.4 | 47.4 | 250          | 0.0          | 0.4   | 1.0 |       |
| 259                                                                                                                                                                                                                                                                                                                                                                                                                    | 247        | 251        | 0.0              | 0.713 | 1.0 | 64.9                       | -9.7  | -50.1 | 51.2              | 259 | 0.0 | 0.787                       | 1.0 | 69.4 | -18.2          | -42.9 | 46.7 | 247               | 0.0 | 0.383 | 1.0                         |       | 0.0 | 0.766          | 1.0 | 68.1 | -15.4        | -44.9 | 47.6 | 251          | 0.0          | 0.383 | 1.0 |       |
| 260                                                                                                                                                                                                                                                                                                                                                                                                                    | 248        | 252        | 0.0              | 0.705 | 1.0 | 64.5                       | -8.9  | -50.9 | 51.8              | 260 | 0.0 | 0.782                       | 1.0 | 69.1 |                |       |      |                   |     |       |                             |       |     |                |     |      |              |       |      |              |              |       |     |       |



| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.0, 101.5, 131.8, 196.9, 305.2, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                     |     |       |      |      |       |                              |                   |       |       |     |      |                     |             |       |       |       |     |                               |       |       |      |      |             |                  |       |     |       |       |       |                     |       |      |             |      |       |                               |     |       |       |     |       |                  |             |      |       |       |       |                |                |                |      |      |             |     |       |     |     |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------------|-----|-------|------|------|-------|------------------------------|-------------------|-------|-------|-----|------|---------------------|-------------|-------|-------|-------|-----|-------------------------------|-------|-------|------|------|-------------|------------------|-------|-----|-------|-------|-------|---------------------|-------|------|-------------|------|-------|-------------------------------|-----|-------|-------|-----|-------|------------------|-------------|------|-------|-------|-------|----------------|----------------|----------------|------|------|-------------|-----|-------|-----|-----|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ab}dd361Mi$ |     |       |      |      |       | $LAB^*_{ab}d361Mix(x=LabCh)$ |                   |       |       |     |      | $rgb^*_{ab}ds361Mi$ |             |       |       |       |     | $LAB^*_{ab}ds361Mix(x=LabCh)$ |       |       |      |      |             | $rgb^*_{ab}s50M$ |       |     |       |       |       | $rgb^*_{ab}de361Mi$ |       |      |             |      |       | $LAB^*_{ab}de361Mix(x=LabCh)$ |     |       |       |     |       | $rgb^*_{ab}e50M$ |             |      |       |       |       | $rgb^*_{ab}dd$ | $rgb^*_{ab}ds$ | $rgb^*_{ab}de$ |      |      |             |     |       |     |     |  |  |  |
| 312                                                                                                                                                                                                                                                                                                                                                                                                                            | 300        | 300        | 0.537               | 0.0 | 1.0   | 41.3 | 79.9 | -88.6 | 119.4                        | 312               | 0.0   | 0.196 | 1.0 | 38.0 | 54.8                | -94.9       | 109.6 | 300   | 0.5   | 0.0 | 1.0                           | 0.0   | 0.196 | 1.0  | 38.0 | 54.8        | -94.9            | 109.6 | 300 | 0.5   | 0.0   | 1.0   | 0.0                 | 0.196 | 1.0  | 38.0        | 54.8 | -94.9 | 109.6                         | 300 | 0.5   | 0.0   | 1.0 | 0.0   | 0.196            | 1.0         | 38.0 | 54.8  | -94.9 | 109.6 | 300            | 0.5            | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 313                                                                                                                                                                                                                                                                                                                                                                                                                            | 301        | 301        | 0.584               | 0.0 | 1.0   | 42.5 | 80.8 | -86.6 | 118.5                        | 313               | 0.0   | 0.173 | 1.0 | 36.8 | 58.2                | -96.8       | 113.1 | 301   | 0.517 | 0.0 | 1.0                           | 0.0   | 0.173 | 1.0  | 36.8 | 58.2        | -96.8            | 113.1 | 301 | 0.517 | 0.0   | 1.0   | 0.0                 | 0.173 | 1.0  | 36.8        | 58.2 | -96.8 | 113.1                         | 301 | 0.517 | 0.0   | 1.0 | 0.0   | 0.173            | 1.0         | 36.8 | 58.2  | -96.8 | 113.1 | 301            | 0.517          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 314                                                                                                                                                                                                                                                                                                                                                                                                                            | 302        | 302        | 0.629               | 0.0 | 1.0   | 43.7 | 81.7 | -84.5 | 117.7                        | 314               | 0.0   | 0.15  | 1.0 | 35.7 | 61.7                | -98.7       | 116.5 | 302   | 0.533 | 0.0 | 1.0                           | 0.0   | 0.15  | 1.0  | 35.7 | 61.7        | -98.7            | 116.5 | 302 | 0.533 | 0.0   | 1.0   | 0.0                 | 0.15  | 1.0  | 35.7        | 61.7 | -98.7 | 116.5                         | 302 | 0.533 | 0.0   | 1.0 | 0.0   | 0.15             | 1.0         | 35.7 | 61.7  | -98.7 | 116.5 | 302            | 0.533          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                            | 303        | 303        | 0.668               | 0.0 | 1.0   | 44.9 | 82.6 | -82.5 | 116.9                        | 315               | 0.0   | 0.127 | 1.0 | 34.5 | 65.3                | -100.5119.9 | 303   | 0.55  | 0.0   | 1.0 | 0.0                           | 0.127 | 1.0   | 34.5 | 65.3 | -100.5119.9 | 303              | 0.55  | 0.0 | 1.0   | 0.0   | 0.127 | 1.0                 | 34.5  | 65.3 | -100.5119.9 | 303  | 0.55  | 0.0                           | 1.0 | 0.0   | 0.127 | 1.0 | 34.5  | 65.3             | -100.5119.9 | 303  | 0.55  | 0.0   | 1.0   | 0.0            | 0.127          | 1.0            | 34.5 | 65.3 | -100.5119.9 | 303 | 0.55  | 0.0 | 1.0 |  |  |  |
| 316                                                                                                                                                                                                                                                                                                                                                                                                                            | 304        | 304        | 0.706               | 0.0 | 1.0   | 46.0 | 83.5 | -80.5 | 116.1                        | 316               | 0.0   | 0.07  | 1.0 | 33.1 | 69.4                | -102.8124.2 | 304   | 0.567 | 0.0   | 1.0 | 0.0                           | 0.07  | 1.0   | 33.1 | 69.4 | -102.8124.2 | 304              | 0.567 | 0.0 | 1.0   | 0.0   | 0.07  | 1.0                 | 33.1  | 69.4 | -102.8124.2 | 304  | 0.567 | 0.0                           | 1.0 | 0.0   | 0.07  | 1.0 | 33.1  | 69.4             | -102.8124.2 | 304  | 0.567 | 0.0   | 1.0   | 0.0            | 0.07           | 1.0            | 33.1 | 69.4 | -102.8124.2 | 304 | 0.567 | 0.0 | 1.0 |  |  |  |
| 317                                                                                                                                                                                                                                                                                                                                                                                                                            | 305        | 305        | 0.744               | 0.0 | 1.0   | 47.2 | 84.3 | -78.5 | 115.3                        | 317               | 0.0   | 0.01  | 1.0 | 31.8 | 73.7                | -105.1128.5 | 305   | 0.583 | 0.0   | 1.0 | 0.0                           | 0.01  | 1.0   | 31.8 | 73.7 | -105.1128.5 | 305              | 0.583 | 0.0 | 1.0   | 0.0   | 0.01  | 1.0                 | 31.8  | 73.7 | -105.1128.5 | 305  | 0.583 | 0.0                           | 1.0 | 0.0   | 0.01  | 1.0 | 31.8  | 73.7             | -105.1128.5 | 305  | 0.583 | 0.0   | 1.0   | 0.0            | 0.01           | 1.0            | 31.8 | 73.7 | -105.1128.5 | 305 | 0.583 | 0.0 | 1.0 |  |  |  |
| 318                                                                                                                                                                                                                                                                                                                                                                                                                            | 306        | 306        | 0.777               | 0.0 | 1.0   | 48.3 | 85.3 | -76.7 | 114.8                        | 318               | 0.146 | 0.0   | 1.0 | 32.8 | 75.0                | -103.2127.7 | 306   | 0.6   | 0.0   | 1.0 | 0.146                         | 0.0   | 1.0   | 32.8 | 75.0 | -103.2127.7 | 306              | 0.6   | 0.0 | 1.0   | 0.146 | 0.0   | 1.0                 | 32.8  | 75.0 | -103.2127.7 | 306  | 0.6   | 0.0                           | 1.0 | 0.146 | 0.0   | 1.0 | 32.8  | 75.0             | -103.2127.7 | 306  | 0.6   | 0.0   | 1.0   | 0.146          | 0.0            | 1.0            | 32.8 | 75.0 | -103.2127.7 | 306 | 0.6   | 0.0 | 1.0 |  |  |  |
| 319                                                                                                                                                                                                                                                                                                                                                                                                                            | 307        | 307        | 0.81                | 0.0 | 1.0   | 49.4 | 86.2 | -74.9 | 114.3                        | 319               | 0.235 | 0.0   | 1.0 | 34.4 | 75.8                | -100.5126.0 | 307   | 0.617 | 0.0   | 1.0 | 0.235                         | 0.0   | 1.0   | 34.4 | 75.8 | -100.5126.0 | 307              | 0.617 | 0.0 | 1.0   | 0.235 | 0.0   | 1.0                 | 34.4  | 75.8 | -100.5126.0 | 307  | 0.617 | 0.0                           | 1.0 | 0.235 | 0.0   | 1.0 | 34.4  | 75.8             | -100.5126.0 | 307  | 0.617 | 0.0   | 1.0   | 0.235          | 0.0            | 1.0            | 34.4 | 75.8 | -100.5126.0 | 307 | 0.617 | 0.0 | 1.0 |  |  |  |
| 320                                                                                                                                                                                                                                                                                                                                                                                                                            | 308        | 308        | 0.842               | 0.0 | 1.0   | 50.5 | 87.2 | -73.0 | 113.8                        | 320               | 0.309 | 0.0   | 1.0 | 35.9 | 76.6                | -97.9       | 124.4 | 308   | 0.633 | 0.0 | 1.0                           | 0.309 | 0.0   | 1.0  | 35.9 | 76.6        | -97.9            | 124.4 | 308 | 0.633 | 0.0   | 1.0   | 0.309               | 0.0   | 1.0  | 35.9        | 76.6 | -97.9 | 124.4                         | 308 | 0.633 | 0.0   | 1.0 | 0.309 | 0.0              | 1.0         | 35.9 | 76.6  | -97.9 | 124.4 | 308            | 0.633          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 321                                                                                                                                                                                                                                                                                                                                                                                                                            | 309        | 309        | 0.875               | 0.0 | 1.0   | 51.6 | 88.0 | -71.2 | 113.3                        | 321               | 0.378 | 0.0   | 1.0 | 37.3 | 77.4                | -95.4       | 122.9 | 309   | 0.65  | 0.0 | 1.0                           | 0.378 | 0.0   | 1.0  | 37.3 | 77.4        | -95.4            | 122.9 | 309 | 0.65  | 0.0   | 1.0   | 0.378               | 0.0   | 1.0  | 37.3        | 77.4 | -95.4 | 122.9                         | 309 | 0.65  | 0.0   | 1.0 | 0.378 | 0.0              | 1.0         | 37.3 | 77.4  | -95.4 | 122.9 | 309            | 0.65           | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 322                                                                                                                                                                                                                                                                                                                                                                                                                            | 310        | 310        | 0.897               | 0.0 | 1.0   | 52.6 | 89.1 | -69.5 | 113.0                        | 322               | 0.434 | 0.0   | 1.0 | 38.7 | 78.2                | -93.1       | 121.6 | 310   | 0.667 | 0.0 | 1.0                           | 0.434 | 0.0   | 1.0  | 38.7 | 78.2        | -93.1            | 121.6 | 310 | 0.667 | 0.0   | 1.0   | 0.434               | 0.0   | 1.0  | 38.7        | 78.2 | -93.1 | 121.6                         | 310 | 0.667 | 0.0   | 1.0 | 0.434 | 0.0              | 1.0         | 38.7 | 78.2  | -93.1 | 121.6 | 310            | 0.667          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 323                                                                                                                                                                                                                                                                                                                                                                                                                            | 311        | 311        | 0.919               | 0.0 | 1.0   | 53.6 | 90.1 | -67.8 | 112.8                        | 323               | 0.489 | 0.0   | 1.0 | 40.0 | 78.9                | -90.7       | 120.3 | 311   | 0.683 | 0.0 | 1.0                           | 0.489 | 0.0   | 1.0  | 40.0 | 78.9        | -90.7            | 120.3 | 311 | 0.683 | 0.0   | 1.0   | 0.489               | 0.0   | 1.0  | 40.0        | 78.9 | -90.7 | 120.3                         | 311 | 0.683 | 0.0   | 1.0 | 0.489 | 0.0              | 1.0         | 40.0 | 78.9  | -90.7 | 120.3 | 311            | 0.683          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 324                                                                                                                                                                                                                                                                                                                                                                                                                            | 312        | 312        | 0.941               | 0.0 | 1.0   | 54.6 | 91.1 | -66.1 | 112.6                        | 324               | 0.537 | 0.0   | 1.0 | 41.3 | 79.9                | -88.6       | 119.4 | 312   | 0.7   | 0.0 | 1.0                           | 0.537 | 0.0   | 1.0  | 41.3 | 79.9        | -88.6            | 119.4 | 312 | 0.7   | 0.0   | 1.0   | 0.537               | 0.0   | 1.0  | 41.3        | 79.9 | -88.6 | 119.4                         | 312 | 0.7   | 0.0   | 1.0 | 0.537 | 0.0              | 1.0         | 41.3 | 79.9  | -88.6 | 119.4 | 312            | 0.7            | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 325                                                                                                                                                                                                                                                                                                                                                                                                                            | 313        | 312        | 0.964               | 0.0 | 1.0   | 55.6 | 92.0 | -64.3 | 112.3                        | 325               | 0.584 | 0.0   | 1.0 | 42.5 | 80.8                | -86.6       | 118.5 | 313   | 0.717 | 0.0 | 1.0                           | 0.537 | 0.0   | 1.0  | 41.3 | 79.9        | -88.6            | 119.4 | 312 | 0.717 | 0.0   | 1.0   | 0.537               | 0.0   | 1.0  | 41.3        | 79.9 | -88.6 | 119.4                         | 312 | 0.717 | 0.0   | 1.0 | 0.537 | 0.0              | 1.0         | 41.3 | 79.9  | -88.6 | 119.4 | 312            | 0.717          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 326                                                                                                                                                                                                                                                                                                                                                                                                                            | 314        | 313        | 0.986               | 0.0 | 1.0   | 56.6 | 92.9 | -62.6 | 112.1                        | 326M <sub>s</sub> | 0.629 | 0.0   | 1.0 | 43.7 | 81.7                | -84.5       | 117.7 | 314   | 0.733 | 0.0 | 1.0                           | 0.584 | 0.0   | 1.0  | 42.5 | 80.8        | -86.6            | 118.5 | 313 | 0.733 | 0.0   | 1.0   | 0.584               | 0.0   | 1.0  | 42.5        | 80.8 | -86.6 | 118.5                         | 313 | 0.733 | 0.0   | 1.0 | 0.584 | 0.0              | 1.0         | 42.5 | 80.8  | -86.6 | 118.5 | 313            | 0.733          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 327                                                                                                                                                                                                                                                                                                                                                                                                                            | 315        | 314        | 1.0                 | 0.0 | 0.995 | 57.2 | 93.3 | -60.5 | 111.3                        | 327               | 0.668 | 0.0   | 1.0 | 44.9 | 82.6                | -82.5       | 116.9 | 315   | 0.75  | 0.0 | 1.0                           | 0.629 | 0.0   | 1.0  | 43.7 | 81.7        | -84.5            | 117.7 | 314 | 0.75  | 0.0   | 1.0   | 0.629               | 0.0   | 1.0  | 43.7        | 81.7 | -84.5 | 117.7                         | 314 | 0.75  | 0.0   | 1.0 | 0.629 | 0.0              | 1.0         | 43.7 | 81.7  | -84.5 | 117.7 | 314            | 0.75           | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 328                                                                                                                                                                                                                                                                                                                                                                                                                            | 316        | 315        | 1.0                 | 0.0 | 0.983 | 56.9 | 93.0 | -58.0 | 109.7                        | 328               | 0.706 | 0.0   | 1.0 | 46.0 | 83.5                | -80.5       | 116.1 | 316   | 0.767 | 0.0 | 1.0                           | 0.668 | 0.0   | 1.0  | 44.9 | 82.6        | -82.5            | 116.9 | 315 | 0.767 | 0.0   | 1.0   | 0.668               | 0.0   | 1.0  | 44.9        | 82.6 | -82.5 | 116.9                         | 315 | 0.767 | 0.0   | 1.0 | 0.668 | 0.0              | 1.0         | 44.9 | 82.6  | -82.5 | 116.9 | 315            | 0.767          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 329                                                                                                                                                                                                                                                                                                                                                                                                                            | 317        | 316        | 1.0                 | 0.0 | 0.971 | 56.6 | 92.6 | -55.6 | 108.1                        | 329               | 0.744 | 0.0   | 1.0 | 47.2 | 84.3                | -78.5       | 115.3 | 317   | 0.783 | 0.0 | 1.0                           | 0.706 | 0.0   | 1.0  | 46.0 | 83.5        | -80.5            | 116.1 | 316 | 0.783 | 0.0   | 1.0   | 0.706               | 0.0   | 1.0  | 46.0        | 83.5 | -80.5 | 116.1                         | 316 | 0.783 | 0.0   | 1.0 | 0.706 | 0.0              | 1.0         | 46.0 | 83.5  | -80.5 | 116.1 | 316            | 0.783          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 330                                                                                                                                                                                                                                                                                                                                                                                                                            | 318        | 317        | 1.0                 | 0.0 | 0.958 | 56.4 | 92.2 | -53.1 | 106.4                        | 330               | 0.777 | 0.0   | 1.0 | 48.3 | 85.3                | -76.7       | 114.8 | 318   | 0.8   | 0.0 | 1.0                           | 0.744 | 0.0   | 1.0  | 47.2 | 84.3        | -78.5            | 115.3 | 317 | 0.8   | 0.0   | 1.0   | 0.744               | 0.0   | 1.0  | 47.2        | 84.3 | -78.5 | 115.3                         | 317 | 0.8   | 0.0   | 1.0 | 0.744 | 0.0              | 1.0         | 47.2 | 84.3  | -78.5 | 115.3 | 317            | 0.8            | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 331                                                                                                                                                                                                                                                                                                                                                                                                                            | 319        | 318        | 1.0                 | 0.0 | 0.946 | 56.1 | 91.7 | -50.7 | 104.8                        | 331               | 0.81  | 0.0   | 1.0 | 49.4 | 86.2                | -74.9       | 114.3 | 319   | 0.817 | 0.0 | 1.0                           | 0.777 | 0.0   | 1.0  | 48.3 | 85.3        | -76.7            | 114.8 | 318 | 0.817 | 0.0   | 1.0   | 0.777               | 0.0   | 1.0  | 48.3        | 85.3 | -76.7 | 114.8                         | 318 | 0.817 | 0.0   | 1.0 | 0.777 | 0.0              | 1.0         | 48.3 | 85.3  | -76.7 | 114.8 | 318            | 0.817          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 332                                                                                                                                                                                                                                                                                                                                                                                                                            | 320        | 319        | 1.0                 | 0.0 | 0.933 | 55.9 | 91.1 | -48.3 | 103.2                        | 332               | 0.842 | 0.0   | 1.0 | 50.5 | 87.2                | -73.0       | 113.8 | 320   | 0.833 | 0.0 | 1.0                           | 0.81  | 0.0   | 1.0  | 49.4 | 86.2        | -74.9            | 114.3 | 319 | 0.833 | 0.0   | 1.0   | 0.81                | 0.0   | 1.0  | 49.4        | 86.2 | -74.9 | 114.3                         | 319 | 0.833 | 0.0   | 1.0 | 0.81  | 0.0              | 1.0         | 49.4 | 86.2  | -74.9 | 114.3 | 319            | 0.833          | 0.0            | 1.0  |      |             |     |       |     |     |  |  |  |
| 333                                                                                                                                                                                                                                                                                                                                                                                                                            | 321        | 320        | 1.0                 | 0.0 | 0.921 | 55.6 | 90.5 | -46.0 | 101.5                        | 333               | 0.875 | 0.0   | 1.0 | 51.6 | 88.0                | -71.2       | 113.3 | 321   | 0.85  | 0.0 | 1.0                           | 0.842 | 0.0   | 1.0  | 50.5 | 87.2        | -73.0            | 113.8 | 320 | 0.85  | 0.0   | 1.0   | 0.842               | 0.0   | 1.0  | 50.5        | 87.2 | -73.0 | 113.8                         | 320 | 0.85  | 0.0   | 1.0 | 0.842 | 0.0              | 1.0         | 50.  |       |       |       |                |                |                |      |      |             |     |       |     |     |  |  |  |



Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
 $h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ]$  (1)
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (3)
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (5)
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |             |       |       |                       |       |             |             |       |       |                       |       |      |             |       |       |              |       |       |                        |       |       |             |      |       |                               |       |      |       |       |       |             |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------|-------|-------|-----------------------|-------|-------------|-------------|-------|-------|-----------------------|-------|------|-------------|-------|-------|--------------|-------|-------|------------------------|-------|-------|-------------|------|-------|-------------------------------|-------|------|-------|-------|-------|-------------|-------------|-------------|-------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*d50M$ |       |       | $LAB^*d50Mx(x=LabCh)$ |       |             | $rgb^*d50M$ |       |       | $LAB^*d50Mx(x=LabCh)$ |       |      | $rgb^*s50M$ |       |       | $rgb^*de50M$ |       |       | $LAB^*de50Mx(x=LabCh)$ |       |       | $rgb^*e50M$ |      |       | $rgb^*_d$ $rgb^*_s$ $rgb^*_e$ |       |      |       |       |       |             |             |             |             |
| 45.7                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0       | 25.5       | 1.0         | 0.0   | 0.0   | 50.1                  | 76.2  | 77.9        | 109.0       | 45.7  | 1.0   | 0.0                   | 0.171 | 50.4 | 78.5        | 45.3  | 90.6  | 30           | 1.0   | 0.0   | 0.0                    | 1.0   | 0.0   | 0.213       | 50.5 | 78.9  | 36.8                          | 87.1  | 25   | 1.0   | 0.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 47.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5       | 33.8       | 1.0         | 0.125 | 0.0   | 51.6                  | 71.7  | 78.6        | 106.4       | 47.6  | 1.0   | 0.0                   | 0.095 | 50.2 | 77.2        | 60.3  | 98.0  | 38           | 1.0   | 0.125 | 0.0                    | 1.0   | 0.0   | 0.138       | 50.3 | 77.4  | 52.2                          | 93.4  | 34   | 1.0   | 0.125 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 52.7                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0       | 42.2       | 1.0         | 0.25  | 0.0   | 55.5                  | 60.8  | 79.7        | 100.2       | 52.7  | 1.0   | 0.0                   | 0.008 | 50.1 | 76.4        | 76.4  | 108.0 | 45           | 1.0   | 0.25  | 0.0                    | 1.0   | 0.0   | 0.045       | 50.2 | 77.1  | 69.4                          | 103.7 | 42   | 1.0   | 0.25  | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 59.0                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5       | 50.5       | 1.0         | 0.375 | 0.0   | 59.8                  | 49.0  | 81.5        | 95.1        | 59.0  | 1.0   | 0.257                 | 0.0   | 55.7 | 60.1        | 79.8  | 99.9  | 53           | 1.0   | 0.375 | 0.0                    | 1.0   | 0.209 | 0.0         | 54.2 | 64.4  | 79.5                          | 102.3 | 51   | 1.0   | 0.375 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 66.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0       | 58.9       | 1.0         | 0.5   | 0.0   | 64.7                  | 36.7  | 84.3        | 91.9        | 66.5  | 1.0   | 0.392                 | 0.0   | 60.5 | 47.3        | 82.0  | 94.6  | 60           | 1.0   | 0.5   | 0.0                    | 1.0   | 0.375 | 0.0         | 59.8 | 49.0  | 81.5                          | 95.1  | 59   | 1.0   | 0.5   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 74.3                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5       | 67.2       | 1.0         | 0.625 | 0.0   | 69.7                  | 24.6  | 87.6        | 91.0        | 74.3  | 1.0   | 0.524                 | 0.0   | 65.6 | 34.4        | 85.1  | 91.8  | 68           | 1.0   | 0.625 | 0.0                    | 1.0   | 0.508 | 0.0         | 65.0 | 35.9  | 84.6                          | 91.9  | 67   | 1.0   | 0.625 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 82.8                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0       | 75.6       | 1.0         | 0.75  | 0.0   | 75.5                  | 11.7  | 92.2        | 92.9        | 82.8  | 1.0   | 0.635                 | 0.0   | 70.2 | 23.6        | 88.1  | 91.2  | 75           | 1.0   | 0.75  | 0.0                    | 1.0   | 0.65  | 0.0         | 70.9 | 22.1  | 88.7                          | 91.4  | 76   | 1.0   | 0.75  | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 91.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5       | 84.0       | 1.0         | 0.875 | 0.0   | 82.5                  | -2.5  | 98.3        | 98.3        | 91.5  | 1.0   | 0.753                 | 0.0   | 75.7 | 11.3        | 92.3  | 93.0  | 83           | 1.0   | 0.875 | 0.0                    | 1.0   | 0.768 | 0.0         | 76.5 | 9.8   | 93.1                          | 93.7  | 84   | 1.0   | 0.875 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 101.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0       | 92.3       | 1.0         | 1.0   | 0.0   | 92.8                  | -21.5 | 108.0       | 110.1       | 101.3 | 1.0   | 0.854                 | 0.0   | 81.3 | 0.0         | 97.4  | 97.4  | 90           | 1.0   | 1.0   | 0.0                    | 1.0   | 0.881 | 0.0         | 83.0 | -3.4  | 98.9                          | 98.9  | 92   | 1.0   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 109.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5       | 101.1      | 0.875       | 1.0   | 0.0   | 90.0                  | -36.4 | 104.0       | 110.2       | 109.3 | 1.0   | 0.958                 | 0.0   | 89.3 | -14.7       | 105.1 | 106.2 | 98           | 0.875 | 1.0   | 0.0                    | 1.0   | 0.996 | 0.0         | 92.5 | -20.8 | 107.8                         | 109.8 | 101  | 0.875 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 114.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0      | 109.8      | 0.75        | 1.0   | 0.0   | 88.4                  | -46.9 | 101.4       | 111.8       | 114.9 | 0.942 | 1.0                   | 0.0   | 91.5 | -28.4       | 106.4 | 110.2 | 105          | 0.75  | 1.0   | 0.0                    | 0.86  | 1.0   | 0.0         | 89.8 | -37.7 | 103.7                         | 110.4 | 110  | 0.75  | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 119.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5      | 118.5      | 0.625       | 1.0   | 0.0   | 87.1                  | -56.2 | 99.6        | 114.4       | 119.5 | 0.792 | 1.0                   | 0.0   | 88.9 | -43.4       | 102.4 | 111.3 | 113          | 0.625 | 1.0   | 0.0                    | 0.638 | 1.0   | 0.0         | 87.2 | -55.2 | 99.8                          | 114.1 | 119  | 0.625 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 123.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0      | 127.3      | 0.5         | 1.0   | 0.0   | 86.1                  | -64.0 | 98.1        | 117.2       | 123.1 | 0.607 | 1.0                   | 0.0   | 86.9 | -57.3       | 99.4  | 114.8 | 120          | 0.5   | 1.0   | 0.0                    | 0.334 | 1.0   | 0.0         | 85.1 | -72.9 | 96.8                          | 121.2 | 127  | 0.5   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 126.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5      | 136.0      | 0.375       | 1.0   | 0.0   | 85.3                  | -71.0 | 97.1        | 120.3       | 126.2 | 0.28  | 1.0                   | 0.0   | 84.8 | -75.2       | 96.4  | 122.4 | 128          | 0.375 | 1.0   | 0.0                    | 0.0   | 1.0   | 0.191       | 84.1 | -80.8 | 78.1                          | 112.5 | 136  | 0.375 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 128.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0      | 144.7      | 0.25        | 1.0   | 0.0   | 84.6                  | -76.6 | 96.2        | 123.0       | 128.6 | 0.0   | 1.0                   | 0.165 | 84.0 | -81.4       | 81.5  | 115.3 | 135          | 0.25  | 1.0   | 0.0                    | 0.0   | 1.0   | 0.426       | 84.5 | -74.6 | 52.3                          | 91.2  | 145  | 0.25  | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 130.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5      | 153.5      | 0.125       | 1.0   | 0.0   | 84.1                  | -81.4 | 95.5        | 125.5       | 130.5 | 0.0   | 1.0                   | 0.377 | 84.4 | -75.9       | 57.2  | 95.1  | 143          | 0.125 | 1.0   | 0.0                    | 0.0   | 1.0   | 0.609       | 84.8 | -68.8 | 35.1                          | 77.3  | 153  | 0.125 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 131.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0      | 162.2      | 0.0         | 1.0   | 0.0   | 83.9                  | -83.3 | 95.3        | 126.7       | 131.2 | 0.0   | 1.0                   | 0.543 | 84.7 | -70.9       | 41.0  | 82.0  | 150          | 0.0   | 1.0   | 0.0                    | 0.0   | 1.0   | 0.768       | 85.3 | -63.1 | 20.5                          | 66.5  | 162  | 0.0   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 133.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5      | 169.1      | 0.0         | 1.0   | 0.125 | 84.0                  | -82.2 | 86.7        | 119.6       | 133.5 | 0.0   | 1.0                   | 0.703 | 85.1 | -65.7       | 26.6  | 70.9  | 158          | 0.0   | 1.0   | 0.125                  | 0.0   | 1.0   | 0.86        | 85.6 | -59.0 | 11.5                          | 60.2  | 169  | 0.0   | 1.0   | 0.125 | <div></div> | <div></div> | <div></div> |             |
| 138.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0      | 175.9      | 0.0         | 1.0   | 0.25  | 84.2                  | -79.1 | 70.8        | 106.2       | 138.2 | 0.0   | 1.0                   | 0.808 | 85.4 | -65.5       | 16.5  | 63.8  | 165          | 0.0   | 1.0   | 0.25                   | 0.0   | 1.0   | 0.903       | 86.0 | -56.6 | 4.0                           | 56.8  | 176  | 0.0   | 1.0   | 0.25  | <div></div> | <div></div> | <div></div> |             |
| 142.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5      | 182.8      | 0.0         | 1.0   | 0.375 | 84.4                  | -75.9 | 57.5        | 95.3        | 142.9 | 0.0   | 1.0                   | 0.888 | 85.8 | -61.7       | 1.1   | 58.0  | 173          | 0.0   | 1.0   | 0.375                  | 0.0   | 1.0   | 0.935       | 86.3 | -53.7 | -2.7                          | 53.9  | 183  | 0.0   | 1.0   | 0.375 | <div></div> | <div></div> | <div></div> |             |
| 148.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0      | 189.6      | 0.0         | 1.0   | 0.5   | 84.6                  | -72.1 | 45.1        | 85.1        | 148.0 | 0.0   | 1.0                   | 0.921 | 86.2 | -55.1       | 0.0   | 55.2  | 180          | 0.0   | 1.0   | 0.5                    | 0.0   | 1.0   | 0.968       | 86.7 | -50.2 | -8.8                          | 51.0  | 190  | 0.0   | 1.0   | 0.5   | <div></div> | <div></div> | <div></div> |             |
| 153.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5      | 196.4      | 0.0         | 1.0   | 0.625 | 84.9                  | -68.2 | 33.7        | 76.2        | 153.7 | 0.0   | 1.0                   | 0.959 | 86.6 | -51.3       | -7.1  | 51.9  | 188          | 0.0   | 1.0   | 0.625                  | 0.0   | 1.0   | 0.996       | 86.9 | -46.6 | -13.3                         | 48.6  | 196  | 0.0   | 1.0   | 0.625 | <div></div> | <div></div> | <div></div> |             |
| 160.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0      | 203.3      | 0.0         | 1.0   | 0.75  | 85.2                  | -63.8 | 22.5        | 67.7        | 160.6 | 0.0   | 1.0                   | 0.991 | 86.9 | -47.2       | -12.6 | 49.0  | 195          | 0.0   | 1.0   | 0.75                   | 0.0   | 1.0   | 0.977       | 1.0  | 84.7  | -43.5                         | -18.4 | 47.4 | 203   | 0.0   | 1.0   | 0.75        | <div></div> | <div></div> | <div></div> |
| 170.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5      | 210.1      | 0.0         | 1.0   | 0.875 | 85.7                  | -58.2 | 10.2        | 59.2        | 170.1 | 0.0   | 0.977                 | 1.0   | 84.7 | -43.5       | -18.4 | 47.4  | 203          | 0.0   | 1.0   | 0.875                  | 0.0   | 1.0   | 0.951       | 1.0  | 82.2  | -40.1                         | -23.1 | 46.4 | 210   | 0.0   | 1.0   | 0.875       | <div></div> | <div></div> | <div></div> |
| 196.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0      | 217.0      | 0.0         | 1.0   | 1.0   | 87.0                  | -46.1 | -13.9       | 48.2        | 196.8 | 0.0   | 0.951                 | 1.0   | 82.2 | -40.1       | -23.1 | 46.4  | 210          | 0.0   | 1.0   | 1.0                    | 0.0   | 1.0   | 0.924       | 1.0  | 79.7  | -36.2                         | -27.3 | 45.5 | 217   | 0.0   | 1.0   | 1.0         | <div></div> | <div></div> | <div></div> |
| 230.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5      | 223.8      | 0.0         | 0.875 | 1.0   | 74.9                  | -27.8 | -33.4       | 43.7        | 230.2 | 0.0   | 0.921                 | 1.0   | 79.3 | -35.6       | -27.8 | 45.3  | 218          | 0.0   | 0.875 | 1.0                    | 0.0   | 1.0   | 0.898       | 1.0  | 77.1  | -31.9                         | -30.8 | 44.5 | 224   | 0.0   | 0.875 | 1.0         | <div></div> | <div></div> | <div></div> |
| 254.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0      | 230.7      | 0.0         | 0.75  | 1.0   | 66.6                  | -13.4 | -47.0       | 49.0        | 254.0 | 0.0   | 0.895                 | 1.0   | 76.8 | -31.3       | -31.3 | 44.4  | 225          | 0.0   | 0.75  | 1.0                    | 0.0   | 1.0   | 0.871       | 1.0  | 74.6  | -27.5                         | -34.0 | 43.8 | 231   | 0.0   | 0.75  | 1.0         | <div></div> | <div></div> | <div></div> |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5      | 237.5      | 0.0         | 0.625 | 1.0   | 59.5                  | 0.6   | -58.8       | 58.9        | 270.5 | 0.0   | 0.86                  | 1.0   | 73.9 | -26.5       | -35.4 | 44.3  | 233          | 0.0   | 0.625 | 1.0                    | 0.0   | 1.0   | 0.834       | 1.0  | 72.2  | -24.0                         | -38.4 | 45.4 | 238   | 0.0   | 0.625 | 1.0         | <div></div> | <div></div> | <div></div> |
| 282.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0      | 244.4      | 0.0         | 0.5   | 1.0   | 52.9                  | 14.8  | -69.6       | 71.2        | 282.0 | 0.0   | 0.824                 | 1.0   | 71.5 | -22.8       | -39.6 | 45.9  | 240          | 0.0   | 0.5   | 1.0                    | 0.0   | 1.0   | 0.803       | 1.0  | 70.1  | -20.4                         | -41.9 | 46.8 | 244   | 0.0   | 0.5   | 1.0         | <div></div> | <div></div> | <div></div> |
| 291.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5      | 251.2      | 0.0         | 0.375 | 1.0   | 46.2                  | 31.0  | -80.7       | 86.6        | 291.0 | 0.0   | 0.781                 | 1.0   | 68.7 | -17.8       | -44.1 | 47.7  | 248          | 0.0   | 0.375 | 1.0                    | 0.0   | 1.0   | 0.766       | 1.0  | 67.7  | -15.6                         | -45.6 | 48.3 | 251   | 0.0   | 0.375 | 1.0         | <div></div> | <div></div> | <div></div> |
| 298.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0      | 258.0      | 0.0         | 0.25  | 1.0   | 39.4                  | 49.3  | -92.1       | 104.6       | 298.1 | 0.0   | 0.742                 | 1.0   | 66.2 | -12.7       | -47.8 | 49.6  | 255          | 0.0   | 0.25  | 1.0                    | 0.0   | 1.0   | 0.762       | 1.0  | 64.9  | -10.6                         | -50.2 | 51.4 | 258   | 0.0   | 0.25  | 1.0         | <div></div> | <div></div> | <div></div> |
| 303.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5      | 264.9      | 0.0         | 0.125 | 1.0   | 32.7                  | 69.3  | -103.5124.7 | 303.8       | 0.0   | 0.682 | 1.0                   | 62.7  | -6.5 | -53.9       | 54.4  | 263   | 0.0          | 0.125 | 1.0   | 0.0                    | 1.0   | 0.667 | 1.0         | 61.9 | -4.7  | -55.2                         | 55.6  | 265  | 0.0   | 0.125 | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 306.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0      | 271.7      | 0.0         | 0.0   | 1.0   | 29.5                  | 79.1  | -108.9134.7 | 306.0       | 0.0   | 0.629 | 1.0                   | 59.7  | 0.0  | -58.4       | 58.5  | 270   | 0.0          | 0.0   | 1.0   | 0.0                    | 1.0   | 0.609 | 1.0         | 58.6 | 2.1   | -60.3                         | 60.4  | 272  | 0.0   | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 306.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 277.5      | 278.8      | 0.125       | 0.0   | 1.0   | 30.5                  | 79.3  | -107.1133.3 | 306.5       | 0.0   | 0.544 | 1.0                   | 55.2  | 9.3  | -66.1       | 66.9  | 278   | 0.125        | 0.0   | 1.0   | 0.0                    | 1.0   | 0.533 | 1.0         | 54.7 | 10.6  | -67.0                         | 68.0  | 279  | 0.125 | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 307.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 285.0      | 286.0      | 0.25        | 0.0   | 1.0   | 32.9                  | 79.9  | -103.0130.4 | 307.8       | 0.0   | 0.459 | 1.0                   | 50.7  | 19.8 | -73.6       | 76.3  | 285   | 0.25         | 0.0   | 1.0   | 0.0                    | 1.0   | 0.445 | 1.0         | 49.9 | 21.5  | -74.9                         | 78.0  | 286  | 0.25  | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 309.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 292.5      | 293.1      | 0.375       | 0.0   | 1.0   | 35.7                  | 80.9  | -98         |             |       |       |                       |       |      |             |       |       |              |       |       |                        |       |       |             |      |       |                               |       |      |       |       |       |             |             |             |             |

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 45.7, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |       |       |                            |      |      |       |    |       |                   |       |       |                             |      |      |       |    |       |                |     |     |                |     |       |       |       |       |              |              |              |     |     |       |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-------|-------|----------------------------|------|------|-------|----|-------|-------------------|-------|-------|-----------------------------|------|------|-------|----|-------|----------------|-----|-----|----------------|-----|-------|-------|-------|-------|--------------|--------------|--------------|-----|-----|-------|-----|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                             | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ |       |       | $LAB^*_{d361Mix}(x=LabCh)$ |      |      |       |    | $R_d$ | $rgb^*_{ds361Mi}$ |       |       | $LAB^*_{ds361Mix}(x=LabCh)$ |      |      |       |    | $R_s$ | $rgb^*_{s50M}$ |     |     | $LAB^*_{s50M}$ |     |       |       |       | $R_e$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |     |     |       |     |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                     | 30         | 25         | 1.0              | 0.0   | 0.008 | 50.1                       | 76.4 | 76.4 | 108.0 | 45 |       | 1.0               | 0.0   | 0.171 | 50.4                        | 78.5 | 45.3 | 90.6  | 30 | 1.0   | 0.0            | 0.0 | 0.0 | 0.0            | 0.0 | 0.213 | 50.5  | 78.9  | 36.8  | 87.1         | 25           | 1.0          | 0.0 | 0.0 | 0.0   |     |
| 46                                                                                                                                                                                                                                                                                                                                                                                                                     | 31         | 27         | 1.0              | 0.022 | 0.0   | 50.4                       | 75.4 | 78.1 | 108.5 | 46 |       | 1.0               | 0.0   | 0.163 | 50.4                        | 78.3 | 47.0 | 91.3  | 31 | 1.0   | 0.017          | 0.0 |     |                |     | 1.0   | 0.0   | 0.196 | 50.5  | 78.8         | 40.2         | 88.5         | 27  | 1.0 | 0.017 | 0.0 |
| 47                                                                                                                                                                                                                                                                                                                                                                                                                     | 32         | 28         | 1.0              | 0.085 | 0.0   | 51.1                       | 73.1 | 78.4 | 107.3 | 47 |       | 1.0               | 0.0   | 0.155 | 50.3                        | 78.0 | 48.8 | 92.0  | 32 | 1.0   | 0.033          | 0.0 |     |                |     | 1.0   | 0.0   | 0.188 | 50.4  | 78.7         | 41.9         | 89.2         | 28  | 1.0 | 0.033 | 0.0 |
| 48                                                                                                                                                                                                                                                                                                                                                                                                                     | 33         | 29         | 1.0              | 0.134 | 0.0   | 51.9                       | 70.9 | 78.8 | 106.0 | 48 |       | 1.0               | 0.0   | 0.146 | 50.3                        | 77.7 | 50.5 | 92.7  | 33 | 1.0   | 0.05           | 0.0 |     |                |     | 1.0   | 0.0   | 0.18  | 50.4  | 78.6         | 43.6         | 89.9         | 29  | 1.0 | 0.05  | 0.0 |
| 49                                                                                                                                                                                                                                                                                                                                                                                                                     | 34         | 30         | 1.0              | 0.159 | 0.0   | 52.7                       | 68.7 | 79.1 | 104.7 | 49 |       | 1.0               | 0.0   | 0.138 | 50.3                        | 77.4 | 52.2 | 93.4  | 34 | 1.0   | 0.067          | 0.0 |     |                |     | 1.0   | 0.0   | 0.171 | 50.4  | 78.5         | 45.3         | 90.6         | 30  | 1.0 | 0.067 | 0.0 |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                     | 35         | 31         | 1.0              | 0.184 | 0.0   | 53.4                       | 66.5 | 79.3 | 103.5 | 50 |       | 1.0               | 0.0   | 0.13  | 50.3                        | 77.1 | 54.0 | 94.1  | 35 | 1.0   | 0.083          | 0.0 |     |                |     | 1.0   | 0.0   | 0.163 | 50.4  | 78.3         | 47.0         | 91.3         | 31  | 1.0 | 0.083 | 0.0 |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                     | 36         | 32         | 1.0              | 0.209 | 0.0   | 54.2                       | 64.4 | 79.5 | 102.3 | 51 |       | 1.0               | 0.0   | 0.12  | 50.2                        | 77.0 | 55.9 | 95.1  | 36 | 1.0   | 0.1            | 0.0 |     |                |     | 1.0   | 0.0   | 0.155 | 50.3  | 78.0         | 48.8         | 92.0         | 32  | 1.0 | 0.1   | 0.0 |
| 52                                                                                                                                                                                                                                                                                                                                                                                                                     | 37         | 33         | 1.0              | 0.234 | 0.0   | 55.0                       | 62.2 | 79.6 | 101.0 | 52 |       | 1.0               | 0.0   | 0.107 | 50.2                        | 77.1 | 58.1 | 96.6  | 37 | 1.0   | 0.117          | 0.0 |     |                |     | 1.0   | 0.0   | 0.146 | 50.3  | 77.7         | 50.5         | 92.7         | 33  | 1.0 | 0.117 | 0.0 |
| 53                                                                                                                                                                                                                                                                                                                                                                                                                     | 38         | 34         | 1.0              | 0.257 | 0.0   | 55.7                       | 60.1 | 79.8 | 99.9  | 53 |       | 1.0               | 0.0   | 0.095 | 50.2                        | 77.2 | 60.3 | 98.0  | 38 | 1.0   | 0.135          | 0.0 |     |                |     | 1.0   | 0.0   | 0.138 | 50.3  | 77.4         | 52.2         | 93.4         | 34  | 1.0 | 0.133 | 0.0 |
| 54                                                                                                                                                                                                                                                                                                                                                                                                                     | 39         | 36         | 1.0              | 0.276 | 0.0   | 56.4                       | 58.3 | 80.2 | 99.1  | 54 |       | 1.0               | 0.0   | 0.082 | 50.2                        | 77.3 | 62.6 | 99.4  | 39 | 1.0   | 0.15           | 0.0 |     |                |     | 1.0   | 0.0   | 0.12  | 50.2  | 77.0         | 55.9         | 95.1         | 36  | 1.0 | 0.15  | 0.0 |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                     | 40         | 37         | 1.0              | 0.296 | 0.0   | 57.1                       | 56.4 | 80.5 | 98.3  | 55 |       | 1.0               | 0.0   | 0.07  | 50.2                        | 77.3 | 64.8 | 100.9 | 40 | 1.0   | 0.167          | 0.0 |     |                |     | 1.0   | 0.0   | 0.107 | 50.2  | 77.1         | 58.1         | 96.6         | 37  | 1.0 | 0.167 | 0.0 |
| 56                                                                                                                                                                                                                                                                                                                                                                                                                     | 41         | 38         | 1.0              | 0.316 | 0.0   | 57.8                       | 54.5 | 80.8 | 97.5  | 56 |       | 1.0               | 0.0   | 0.058 | 50.2                        | 77.2 | 67.1 | 102.3 | 41 | 1.0   | 0.183          | 0.0 |     |                |     | 1.0   | 0.0   | 0.095 | 50.2  | 77.2         | 60.3         | 98.0         | 38  | 1.0 | 0.183 | 0.0 |
| 57                                                                                                                                                                                                                                                                                                                                                                                                                     | 42         | 39         | 1.0              | 0.336 | 0.0   | 58.4                       | 52.7 | 81.1 | 96.7  | 57 |       | 1.0               | 0.0   | 0.045 | 50.2                        | 77.1 | 69.4 | 103.7 | 42 | 1.0   | 0.2            | 0.0 |     |                |     | 1.0   | 0.0   | 0.082 | 50.2  | 77.3         | 62.6         | 99.4         | 39  | 1.0 | 0.2   | 0.0 |
| 58                                                                                                                                                                                                                                                                                                                                                                                                                     | 43         | 40         | 1.0              | 0.356 | 0.0   | 59.1                       | 50.8 | 81.3 | 95.9  | 58 |       | 1.0               | 0.0   | 0.033 | 50.1                        | 76.9 | 71.7 | 105.2 | 43 | 1.0   | 0.217          | 0.0 |     |                |     | 1.0   | 0.0   | 0.07  | 50.2  | 77.3         | 64.8         | 100.9        | 40  | 1.0 | 0.217 | 0.0 |
| 59                                                                                                                                                                                                                                                                                                                                                                                                                     | 44         | 41         | 1.0              | 0.375 | 0.0   | 59.8                       | 49.0 | 81.5 | 95.1  | 59 |       | 1.0               | 0.0   | 0.021 | 50.1                        | 76.7 | 74.1 | 106.6 | 44 | 1.0   | 0.233          | 0.0 |     |                |     | 1.0   | 0.0   | 0.058 | 50.2  | 77.2         | 67.1         | 102.3        | 41  | 1.0 | 0.233 | 0.0 |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                     | 45         | 42         | 1.0              | 0.392 | 0.0   | 60.5                       | 47.3 | 82.0 | 94.6  | 60 |       | 1.0               | 0.0   | 0.008 | 50.1                        | 76.4 | 76.4 | 108.0 | 45 | 1.0   | 0.25           | 0.0 |     |                |     | 1.0   | 0.0   | 0.045 | 50.2  | 77.1         | 69.4         | 103.7        | 42  | 1.0 | 0.25  | 0.0 |
| 61                                                                                                                                                                                                                                                                                                                                                                                                                     | 46         | 43         | 1.0              | 0.409 | 0.0   | 61.1                       | 45.7 | 82.4 | 94.2  | 61 |       | 1.0               | 0.022 | 0.0   | 50.4                        | 75.4 | 78.1 | 108.5 | 46 | 1.0   | 0.267          | 0.0 |     |                |     | 1.0   | 0.0   | 0.033 | 50.1  | 76.9         | 71.7         | 105.2        | 43  | 1.0 | 0.267 | 0.0 |
| 62                                                                                                                                                                                                                                                                                                                                                                                                                     | 47         | 44         | 1.0              | 0.425 | 0.0   | 61.8                       | 44.0 | 82.8 | 93.8  | 62 |       | 1.0               | 0.085 | 0.0   | 51.1                        | 73.1 | 78.4 | 107.3 | 47 | 1.0   | 0.283          | 0.0 |     |                |     | 1.0   | 0.0   | 0.021 | 50.1  | 76.7         | 74.1         | 106.6        | 44  | 1.0 | 0.283 | 0.0 |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                     | 48         | 46         | 1.0              | 0.442 | 0.0   | 62.4                       | 42.4 | 83.2 | 93.4  | 63 |       | 1.0               | 0.134 | 0.0   | 51.9                        | 70.9 | 78.8 | 106.0 | 48 | 1.0   | 0.3            | 0.0 |     |                |     | 1.0   | 0.022 | 0.0   | 50.4  | 75.4         | 78.1         | 108.5        | 46  | 1.0 | 0.3   | 0.0 |
| 64                                                                                                                                                                                                                                                                                                                                                                                                                     | 49         | 47         | 1.0              | 0.459 | 0.0   | 63.1                       | 40.8 | 83.6 | 93.0  | 64 |       | 1.0               | 0.159 | 0.0   | 52.7                        | 68.7 | 79.1 | 104.7 | 49 | 1.0   | 0.317          | 0.0 |     |                |     | 1.0   | 0.085 | 0.0   | 51.1  | 73.1         | 78.4         | 107.3        | 47  | 1.0 | 0.317 | 0.0 |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                     | 50         | 48         | 1.0              | 0.475 | 0.0   | 63.7                       | 39.1 | 83.9 | 92.6  | 65 |       | 1.0               | 0.184 | 0.0   | 53.4                        | 66.5 | 79.3 | 103.5 | 50 | 1.0   | 0.333          | 0.0 |     |                |     | 1.0   | 0.134 | 0.0   | 51.9  | 70.9         | 78.8         | 106.0        | 48  | 1.0 | 0.333 | 0.0 |
| 66                                                                                                                                                                                                                                                                                                                                                                                                                     | 51         | 49         | 1.0              | 0.492 | 0.0   | 64.4                       | 37.5 | 84.2 | 92.1  | 66 |       | 1.0               | 0.209 | 0.0   | 54.2                        | 64.4 | 79.5 | 102.3 | 51 | 1.0   | 0.35           | 0.0 |     |                |     | 1.0   | 0.159 | 0.0   | 52.7  | 68.7         | 79.1         | 104.7        | 49  | 1.0 | 0.35  | 0.0 |
| 67                                                                                                                                                                                                                                                                                                                                                                                                                     | 52         | 50         | 1.0              | 0.508 | 0.0   | 65.0                       | 35.9 | 84.6 | 91.9  | 67 |       | 1.0               | 0.234 | 0.0   | 55.0                        | 62.2 | 79.6 | 101.0 | 52 | 1.0   | 0.367          | 0.0 |     |                |     | 1.0   | 0.184 | 0.0   | 53.4  | 66.5         | 79.3         | 103.5        | 50  | 1.0 | 0.367 | 0.0 |
| 68                                                                                                                                                                                                                                                                                                                                                                                                                     | 53         | 51         | 1.0              | 0.524 | 0.0   | 65.6                       | 34.4 | 85.1 | 91.8  | 68 |       | 1.0               | 0.257 | 0.0   | 55.7                        | 60.1 | 79.8 | 99.9  | 53 | 1.0   | 0.383          | 0.0 |     |                |     | 1.0   | 0.209 | 0.0   | 54.2  | 64.4         | 79.5         | 102.3        | 51  | 1.0 | 0.383 | 0.0 |
| 69                                                                                                                                                                                                                                                                                                                                                                                                                     | 54         | 52         | 1.0              | 0.54  | 0.0   | 66.3                       | 32.8 | 85.6 | 91.6  | 69 |       | 1.0               | 0.276 | 0.0   | 56.4                        | 58.3 | 80.2 | 99.1  | 54 | 1.0   | 0.4            | 0.0 |     |                |     | 1.0   | 0.234 | 0.0   | 55.0  | 62.2         | 79.6         | 101.0        | 52  | 1.0 | 0.4   | 0.0 |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                     | 55         | 53         | 1.0              | 0.556 | 0.0   | 66.9                       | 31.3 | 86.0 | 91.5  | 70 |       | 1.0               | 0.296 | 0.0   | 57.1                        | 56.4 | 80.5 | 98.3  | 55 | 1.0   | 0.417          | 0.0 |     |                |     | 1.0   | 0.257 | 0.0   | 55.7  | 60.1         | 79.8         | 99.9         | 53  | 1.0 | 0.417 | 0.0 |
| 71                                                                                                                                                                                                                                                                                                                                                                                                                     | 56         | 54         | 1.0              | 0.572 | 0.0   | 67.6                       | 29.8 | 86.4 | 91.4  | 71 |       | 1.0               | 0.316 | 0.0   | 57.8                        | 54.5 | 80.8 | 97.5  | 56 | 1.0   | 0.433          | 0.0 |     |                |     | 1.0   | 0.276 | 0.0   | 56.4  | 58.3         | 80.2         | 99.1         | 54  | 1.0 | 0.433 | 0.0 |
| 72                                                                                                                                                                                                                                                                                                                                                                                                                     | 57         | 56         | 1.0              | 0.588 | 0.0   | 68.2                       | 28.2 | 86.8 | 91.3  | 72 |       | 1.0               | 0.336 | 0.0   | 58.4                        | 52.7 | 81.1 | 96.7  | 57 | 1.0   | 0.45           | 0.0 |     |                |     | 1.0   | 0.316 | 0.0   | 57.8  | 54.5         | 80.8         | 97.5         | 56  | 1.0 | 0.45  | 0.0 |
| 73                                                                                                                                                                                                                                                                                                                                                                                                                     | 58         | 57         | 1.0              | 0.604 | 0.0   | 68.9                       | 26.7 | 87.2 | 91.2  | 73 |       | 1.0               | 0.356 | 0.0   | 59.1                        | 50.8 | 81.3 | 95.9  | 58 | 1.0   | 0.467          | 0.0 |     |                |     | 1.0   | 0.336 | 0.0   | 58.4  | 52.7         | 81.1         | 96.7         | 57  | 1.0 | 0.467 | 0.0 |
| 74                                                                                                                                                                                                                                                                                                                                                                                                                     | 59         | 58         | 1.0              | 0.62  | 0.0   | 69.5                       | 25.1 | 87.5 | 91.0  | 74 |       | 1.0               | 0.375 | 0.0   | 59.8                        | 49.0 | 81.5 | 95.1  | 59 | 1.0   | 0.483          | 0.0 |     |                |     | 1.0   | 0.356 | 0.0   | 59.1  | 50.8         | 81.3         | 95.9         | 58  | 1.0 | 0.483 | 0.0 |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                     | 60         | 59         | 1.0              | 0.635 | 0.0   | 70.2                       | 23.6 | 88.1 | 91.2  | 75 |       | 1.0               | 0.392 | 0.0   | 60.5                        | 47.3 | 82.0 | 94.6  | 60 | 1.0   | 0.5            | 0.0 |     |                |     | 1.0   | 0.375 | 0.0   | 59.8  | 49.0         | 81.5         | 95.1         | 59  | 1.0 | 0.5   | 0.0 |
| 76                                                                                                                                                                                                                                                                                                                                                                                                                     | 61         | 60         | 1.0              | 0.65  | 0.0   | 70.9                       | 22.1 | 88.7 | 91.4  | 76 |       | 1.0               | 0.409 | 0.0   | 61.1                        | 45.7 | 82.4 | 94.2  | 61 | 1.0   | 0.517          | 0.0 |     |                |     | 1.0   | 0.392 | 0.0   | 60.5  | 47.3         | 82.0         | 94.6         | 60  | 1.0 | 0.517 | 0.0 |
| 77                                                                                                                                                                                                                                                                                                                                                                                                                     | 62         | 61         | 1.0              | 0.665 | 0.0   | 71.6                       | 20.6 | 89.3 | 91.6  | 77 |       | 1.0               | 0.425 | 0.0   | 61.8                        | 44.0 | 82.8 | 93.8  | 62 | 1.0   | 0.533          | 0.0 |     |                |     | 1.0   | 0.409 | 0.0   | 61.1  | 45.7         | 82.4         | 94.2         | 61  | 1.0 | 0.533 | 0.0 |
| 78                                                                                                                                                                                                                                                                                                                                                                                                                     | 63         | 62         | 1.0              | 0.68  | 0.0   | 72.2                       | 19.1 | 89.8 | 91.8  | 78 |       | 1.0               | 0.442 | 0.0   | 62.4                        | 42.4 | 83.2 | 93.4  | 63 | 1.0   | 0.55           | 0.0 |     |                |     | 1.0   | 0.425 | 0.0   | 61.8  | 44.0         | 82.8         | 93.8         | 62  | 1.0 | 0.55  | 0.0 |
| 79                                                                                                                                                                                                                                                                                                                                                                                                                     | 64         | 63         | 1.0              | 0.694 | 0.0   | 72.9                       | 17.6 | 90.4 | 92.1  | 79 |       | 1.0               | 0.459 | 0.0   | 63.1                        | 40.8 | 83.6 | 93.0  | 64 | 1.0   | 0.567          | 0.0 |     |                |     | 1.0   | 0.442 | 0.0   | 62.4  | 42.4         | 83.2         | 93.4         | 63  | 1.0 | 0.567 | 0.0 |
| 80                                                                                                                                                                                                                                                                                                                                                                                                                     | 65         | 64         | 1.0              | 0.709 | 0.0   | 73.6                       | 16.0 | 90.9 | 92.3  | 80 |       | 1.0               | 0.475 | 0.0   | 63.7                        | 39.1 | 83.9 | 92.6  | 65 | 1.0   | 0.583          | 0.0 |     |                |     | 1.0   | 0.459 | 0.0   | 63.1  | 40.8         | 83.6         | 93.0         | 64  | 1.0 | 0.583 | 0.0 |
| 81                                                                                                                                                                                                                                                                                                                                                                                                                     | 66         | 66         | 1.0              | 0.724 | 0.0   | 74.3                       | 14.5 | 91.4 | 92.5  | 81 |       | 1.0               | 0.492 | 0.0   | 64.4                        | 37.5 | 84.2 | 92.1  | 66 | 1.0   | 0.6            | 0.0 |     |                |     | 1.0   | 0.492 | 0.0   | 64.4  | 37.5         | 84.2         | 92.1         | 66  | 1.0 | 0.6   | 0.0 |
| 82                                                                                                                                                                                                                                                                                                                                                                                                                     | 67         | 67         | 1.0              | 0.739 | 0.0   | 75.0                       | 12.9 | 91.8 | 92.7  | 82 |       | 1.0               | 0.508 | 0.0   | 65.0                        | 35.9 | 84.6 | 91.9  | 67 | 1.0   | 0.617          | 0.0 |     |                |     | 1.0   | 0.508 | 0.0   | 65.0  | 35.9         | 84.6         | 91.9         | 67  | 1.0 | 0.617 | 0.0 |
| 83                                                                                                                                                                                                                                                                                                                                                                                                                     | 68         | 68         | 1.0              | 0.753 | 0.0   | 75.7                       | 11.3 |      |       |    |       |                   |       |       |                             |      |      |       |    |       |                |     |     |                |     |       |       |       |       |              |              |              |     |     |       |     |

Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mix}(x=LabCh)$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mix}(x=LabCh)$   | $rgb^*_{s50M}$ | $rgb^*_{de361Mi}$      | $LAB^*_{de361Mix}(x=LabCh)$ | $rgb^*_{e50M}$ | $rgb^*_{dd}$           | $rgb^*_{ds}$  | $rgb^*_{de}$              |               |  |
|------------|------------|------------|-------------------|-----------------------------|-------------------|-------------------------------|----------------|------------------------|-----------------------------|----------------|------------------------|---------------|---------------------------|---------------|--|
| 90         | 75         | 76         | 1.0               | 0.854 0.0                   | 81.3 0.0          | 97.4 97.4 90                  | 1.0 0.635 0.0  | 70.2 23.6 88.1 91.2 75 | 1.0 0.75 0.0                | 1.0 0.65 0.0   | 70.9 22.1 88.7 91.4 76 | 1.0 0.75 0.0  |                           |               |  |
| 91         | 76         | 77         | 1.0               | 0.868 0.0                   | 82.1 -1.6         | 98.0 98.0 91                  | 1.0 0.65 0.0   | 70.9 22.1 88.7 91.4 76 | 1.0 0.767 0.0               | 1.0 0.665 0.0  | 71.6 20.6 89.3 91.6 77 | 1.0 0.767 0.0 |                           |               |  |
| 92         | 77         | 78         | 1.0               | 0.881 0.0                   | 83.0 -3.4         | 98.9 98.9 92                  | 1.0 0.665 0.0  | 71.6 20.6 89.3 91.6 77 | 1.0 0.783 0.0               | 1.0 0.68 0.0   | 72.2 19.1 89.8 91.8 78 | 1.0 0.783 0.0 |                           |               |  |
| 93         | 78         | 79         | 1.0               | 0.894 0.0                   | 84.1 -5.1         | 100.0 100.1 93                | 1.0 0.68 0.0   | 72.2 19.1 89.8 91.8 78 | 1.0 0.8 0.0                 | 1.0 0.694 0.0  | 72.9 17.6 90.4 92.1 79 | 1.0 0.8 0.0   |                           |               |  |
| 94         | 79         | 80         | 1.0               | 0.907 0.0                   | 85.1 -7.0         | 101.1 101.3 94                | 1.0 0.694 0.0  | 72.9 17.6 90.4 92.1 79 | 1.0 0.817 0.0               | 1.0 0.709 0.0  | 73.6 16.0 90.9 92.3 80 | 1.0 0.817 0.0 |                           |               |  |
| 95         | 80         | 81         | 1.0               | 0.92 0.0                    | 86.2 -8.8         | 102.2 102.5 95                | 1.0 0.709 0.0  | 73.6 16.0 90.9 92.3 80 | 1.0 0.833 0.0               | 1.0 0.724 0.0  | 74.3 14.5 91.4 92.5 81 | 1.0 0.833 0.0 |                           |               |  |
| 96         | 81         | 82         | 1.0               | 0.932 0.0                   | 87.2 -10.7        | 103.2 103.7 96                | 1.0 0.724 0.0  | 74.3 14.5 91.4 92.5 81 | 1.0 0.85 0.0                | 1.0 0.739 0.0  | 75.0 12.9 91.8 92.7 82 | 1.0 0.85 0.0  |                           |               |  |
| 97         | 82         | 83         | 1.0               | 0.945 0.0                   | 88.3 -12.7        | 104.2 105.0 97                | 1.0 0.739 0.0  | 75.0 12.9 91.8 92.7 82 | 1.0 0.867 0.0               | 1.0 0.753 0.0  | 75.7 11.3 92.3 93.0 83 | 1.0 0.867 0.0 |                           |               |  |
| 98         | 83         | 85         | 1.0               | 0.958 0.0                   | 89.3 -14.7        | 105.1 106.2 98                | 1.0 0.753 0.0  | 75.7 11.3 92.3 93.0 83 | 1.0 0.883 0.0               | 1.0 0.782 0.0  | 77.3 8.2 93.9 94.3 85  | 1.0 0.883 0.0 |                           |               |  |
| 99         | 84         | 86         | 1.0               | 0.971 0.0                   | 90.4 -16.7        | 106.0 107.4 99                | 1.0 0.768 0.0  | 76.5 9.8 93.1 93.7 84  | 1.0 0.9 0.0                 | 1.0 0.796 0.0  | 78.1 6.6 94.7 94.9 86  | 1.0 0.9 0.0   |                           |               |  |
| 100        | 85         | 87         | 1.0               | 0.983 0.0                   | 91.4 -18.8        | 106.9 108.6 100               | 1.0 0.782 0.0  | 77.3 8.2 93.9 94.3 85  | 1.0 0.917 0.0               | 1.0 0.811 0.0  | 78.9 5.0 95.4 95.5 87  | 1.0 0.917 0.0 |                           |               |  |
| 101        | 86         | 88         | 1.0               | 0.996 0.0                   | 92.5 -20.8        | 107.8 109.8 101J <sub>d</sub> | 1.0 0.796 0.0  | 78.1 6.6 94.7 94.9 86  | 1.0 0.933 0.0               | 1.0 0.825 0.0  | 79.7 3.4 96.1 96.1 88  | 1.0 0.933 0.0 |                           |               |  |
| 102        | 87         | 89         | 0.989             | 1.0 0.0                     | 92.6 -22.8        | 107.7 110.1 102               | 1.0 0.811 0.0  | 78.9 5.0 95.4 95.5 87  | 1.0 0.95 0.0                | 1.0 0.839 0.0  | 80.5 1.7 96.8 96.8 89  | 1.0 0.95 0.0  |                           |               |  |
| 103        | 88         | 90         | 0.974             | 1.0 0.0                     | 92.2 -24.7        | 107.3 110.1 103               | 1.0 0.825 0.0  | 79.7 3.4 96.1 96.1 88  | 1.0 0.967 0.0               | 1.0 0.854 0.0  | 81.3 0.0 97.4 97.4 90  | 1.0 0.967 0.0 |                           |               |  |
| 104        | 89         | 91         | 0.958             | 1.0 0.0                     | 91.9 -26.5        | 106.9 110.2 104               | 1.0 0.839 0.0  | 80.5 1.7 96.8 96.8 89  | 1.0 0.983 0.0               | 1.0 0.868 0.0  | 82.1 -1.6              | 98.0 98.0 91  | 1.0 0.983 0.0             |               |  |
| 105        | 90         | 92         | 0.942             | 1.0 0.0                     | 91.5 -28.4        | 106.4 110.2 105               | 1.0 0.854 0.0  | 81.3 0.0 97.4 97.4 90  | 1.0 1.0 0.0J <sub>s</sub>   | 1.0 0.881 0.0  | 83.0 -3.4              | 98.9 98.9 92  | 1.0 1.0 0.0J <sub>e</sub> |               |  |
| 106        | 91         | 93         | 0.927             | 1.0 0.0                     | 91.2 -30.3        | 105.9 110.2 106               | 1.0 0.868 0.0  | 82.1 -1.6              | 98.0 98.0 91                | 0.983 1.0 0.0  | 1.0 0.894 0.0          | 84.1 -5.1     | 100.0 100.1 93            | 0.983 1.0 0.0 |  |
| 107        | 92         | 95         | 0.911             | 1.0 0.0                     | 90.8 -32.1        | 105.4 110.2 107               | 1.0 0.881 0.0  | 83.0 -3.4              | 98.9 98.9 92                | 0.967 1.0 0.0  | 1.0 0.92 0.0           | 86.2 -8.8     | 102.2 102.5 95            | 0.967 1.0 0.0 |  |
| 108        | 93         | 96         | 0.896             | 1.0 0.0                     | 90.5 -33.9        | 104                           |                |                        |                             |                |                        |               |                           |               |  |

Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]







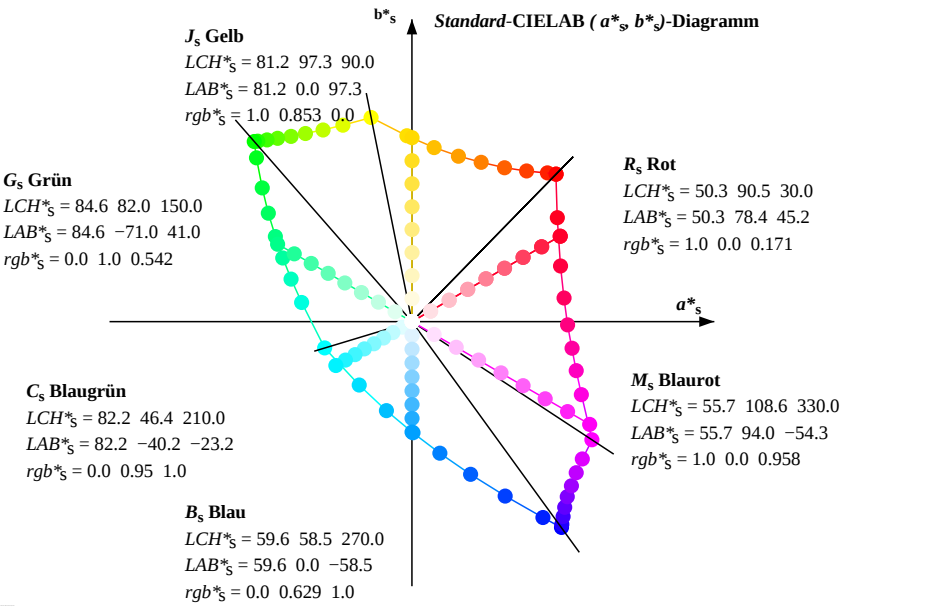
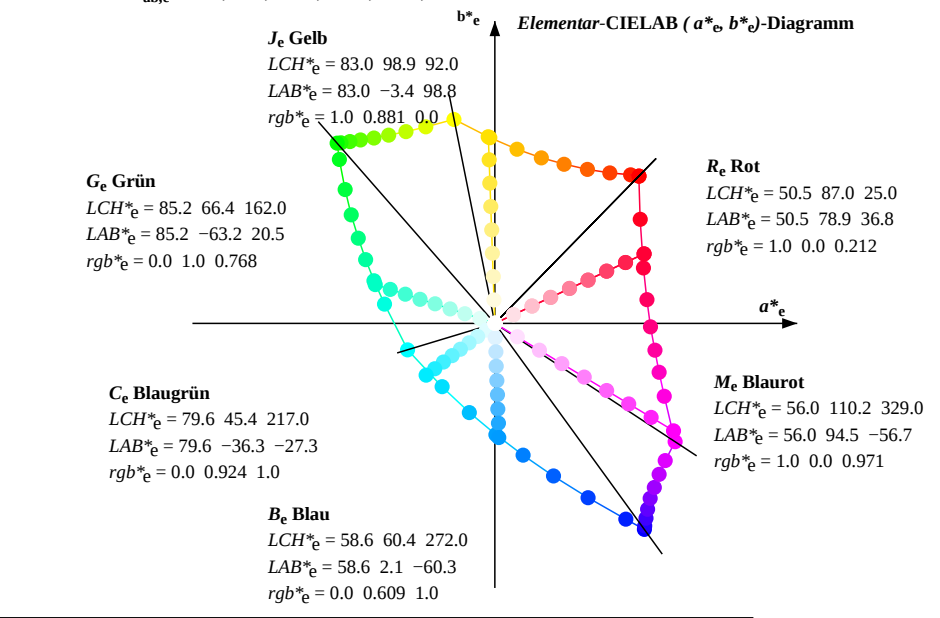
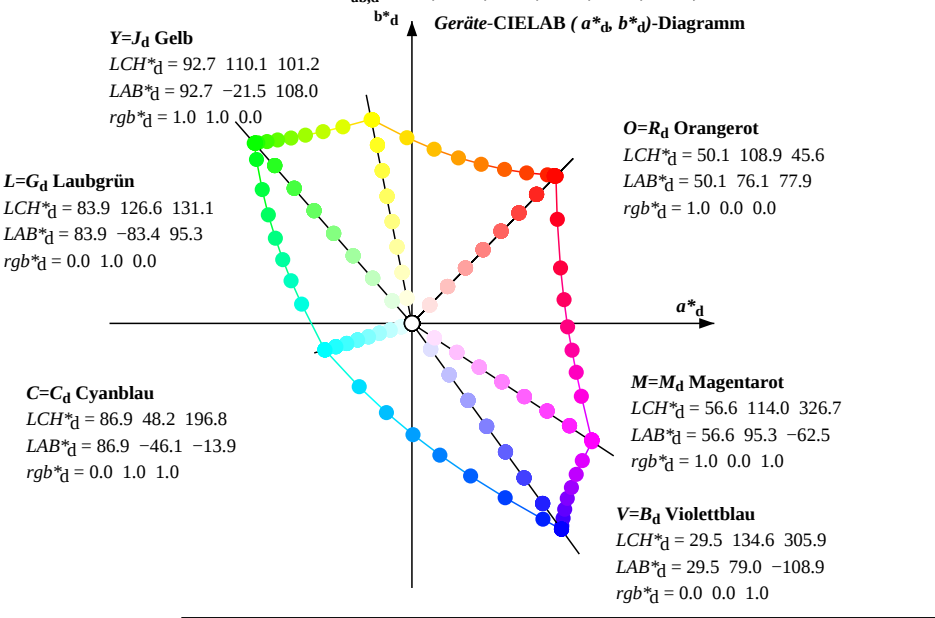
Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| <i>h</i> <sub>ab</sub> | <i>h</i> <sub>abs</sub> | <i>h</i> <sub>abe</sub> | <i>rgb</i> * <sub>dd361Mi</sub> | <i>LAB</i> * <sub>dd361Mix (x=LabCh)</sub> | <i>rgb</i> * <sub>ds361Mi</sub> | <i>LAB</i> * <sub>ds361Mix (x=LabCh)</sub> | <i>rgb</i> * <sub>s50M</sub> | <i>rgb</i> * <sub>de361Mi</sub> | <i>LAB</i> * <sub>de361Mix (x=LabCh)</sub> | <i>rgb</i> * <sub>e50M</sub> | <i>rgb</i> * <sub>dd361Mi</sub> | <i>rgb</i> * <sub>ds361Mi</sub> | <i>rgb</i> * <sub>de361Mi</sub> |
|------------------------|-------------------------|-------------------------|---------------------------------|--------------------------------------------|---------------------------------|--------------------------------------------|------------------------------|---------------------------------|--------------------------------------------|------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 315                    | 300                     | 300                     | 0.656 0.0 1.0                   | 43.5 85.1 -85.0 120.3 315                  | 0.0 0.209 1.0                   | 37.2 55.6 -96.2 111.2 300                  | 0.5 0.0 1.0                  | 0.0 0.209 1.0                   | 37.2 55.6 -96.2 111.2 300                  | 0.5 0.0 1.0                  |                                 |                                 |                                 |
| 316                    | 301                     | 301                     | 0.696 0.0 1.0                   | 44.7 85.9 -82.8 119.4 316                  | 0.0 0.186 1.0                   | 36.0 59.1 -98.3 114.8 301                  | 0.517 0.0 1.0                | 0.0 0.186 1.0                   | 36.0 59.1 -98.3 114.8 301                  | 0.517 0.0 1.0                |                                 |                                 |                                 |
| 317                    | 302                     | 302                     | 0.735 0.0 1.0                   | 45.9 86.6 -80.7 118.4 317                  | 0.0 0.164 1.0                   | 34.8 62.7 -100.3118.4 302                  | 0.533 0.0 1.0                | 0.0 0.164 1.0                   | 34.8 62.7 -100.3118.4 302                  | 0.533 0.0 1.0                |                                 |                                 |                                 |
| 318                    | 303                     | 303                     | 0.77 0.0 1.0                    | 47.1 87.5 -78.6 117.7 318                  | 0.0 0.142 1.0                   | 33.6 66.4 -102.2121.9 303                  | 0.55 0.0 1.0                 | 0.0 0.142 1.0                   | 33.6 66.4 -102.2121.9 303                  | 0.55 0.0 1.0                 |                                 |                                 |                                 |
| 319                    | 304                     | 304                     | 0.803 0.0 1.0                   | 48.3 88.4 -76.7 117.1 319                  | 0.0 0.111 1.0                   | 32.3 70.3 -104.1125.7 304                  | 0.567 0.0 1.0                | 0.0 0.111 1.0                   | 32.3 70.3 -104.1125.7 304                  | 0.567 0.0 1.0                |                                 |                                 |                                 |
| 320                    | 305                     | 305                     | 0.837 0.0 1.0                   | 49.4 89.2 -74.8 116.5 320                  | 0.0 0.055 1.0                   | 30.9 74.7 -106.6130.3 305                  | 0.583 0.0 1.0                | 0.0 0.055 1.0                   | 30.9 74.7 -106.6130.3 305                  | 0.583 0.0 1.0                |                                 |                                 |                                 |
| 321                    | 306                     | 306                     | 0.87 0.0 1.0                    | 50.6 90.1 -72.8 115.9 321                  | 0.01 0.0 1.0                    | 29.6 79.1 -108.8134.6 306                  | 0.6 0.0 1.0                  | 0.01 0.0 1.0                    | 29.6 79.1 -108.8134.6 306                  | 0.6 0.0 1.0                  |                                 |                                 |                                 |
| 322                    | 307                     | 307                     | 0.894 0.0 1.0                   | 51.6 91.1 -71.0 115.5 322                  | 0.173 0.0 1.0                   | 31.5 79.6 -105.5132.2 307                  | 0.617 0.0 1.0                | 0.173 0.0 1.0                   | 31.5 79.6 -105.5132.2 307                  | 0.617 0.0 1.0                |                                 |                                 |                                 |
| 323                    | 308                     | 308                     | 0.916 0.0 1.0                   | 52.7 92.0 -69.2 115.2 323                  | 0.265 0.0 1.0                   | 33.3 80.1 -102.4130.1 308                  | 0.633 0.0 1.0                | 0.265 0.0 1.0                   | 33.3 80.1 -102.4130.1 308                  | 0.633 0.0 1.0                |                                 |                                 |                                 |
| 324                    | 309                     | 309                     | 0.939 0.0 1.0                   | 53.8 93.0 -67.4 114.9 324                  | 0.34 0.0 1.0                    | 34.9 80.6 -99.5 128.1 309                  | 0.65 0.0 1.0                 | 0.34 0.0 1.0                    | 34.9 80.6 -99.5 128.1 309                  | 0.65 0.0 1.0                 |                                 |                                 |                                 |
| 325                    | 310                     | 310                     | 0.961 0.0 1.0                   | 54.8 93.9 -65.6 114.6 325                  | 0.406 0.0 1.0                   | 36.5 81.2 -96.7 126.4 310                  | 0.667 0.0 1.0                | 0.406 0.0 1.0                   | 36.5 81.2 -96.7 126.4 310                  | 0.667 0.0 1.0                |                                 |                                 |                                 |
| 326                    | 311                     | 311                     | 0.984 0.0 1.0                   | 55.9 94.7 -63.8 114.3 326                  | 0.465 0.0 1.0                   | 38.1 81.9 -94.1 124.8 311                  | 0.683 0.0 1.0                | 0.465 0.0 1.0                   | 38.1 81.9 -94.1 124.8 311                  | 0.683 0.0 1.0                |                                 |                                 |                                 |
| 327                    | 312                     | 312                     | 1.0 0.0 0.996                   | 56.5 95.2 -61.7 113.6 327                  | 0.519 0.0 1.0                   | 39.5 82.6 -91.6 123.4 312                  | 0.7 0.0 1.0                  | 0.519 0.0 1.0                   | 39.5 82.6 -91.6 123.4 312                  | 0.7 0.0 1.0                  |                                 |                                 |                                 |
| 328                    | 313                     | 312                     | 1.0 0.0 0.984                   | 56.3 94.9 -59.2 111.9 328                  | 0.567 0.0 1.0                   | 40.9 83.4 -89.4 122.3 313                  | 0.717 0.0 1.0                | 0.519 0.0 1.0                   | 39.5 82.6 -91.6 123.4 312                  | 0.717 0.0 1.0                |                                 |                                 |                                 |
| 329                    | 314                     | 313                     | 1.0 0.0 0.971                   | 56.0 94.5 -56.7 110.3 329                  | 0.615 0.0 1.0                   | 42.2 84.2 -87.1 121.3 314                  | 0.733 0.0 1.0                | 0.567 0.0 1.0                   | 40.9 83.4 -89.4 122.3 313                  | 0.733 0.0 1.0                |                                 |                                 |                                 |
| 330                    | 315                     | 314                     | 1.0 0.0 0.959                   | 55.7 94.1 -54.2 108.6 330                  | 0.656 0.0 1.0                   | 43.5 85.1 -85.0 120.3 315                  | 0.75 0.0 1.0                 | 0.615 0.0 1.0                   | 42.2 84.2 -87.1 121.3 314                  | 0.75 0.0 1.0                 |                                 |                                 |                                 |
| 331                    | 316                     | 315                     | 1.0 0.0 0.946                   | 55.5 93.6 -51.8 107.0 331                  | 0.696 0.0 1.0                   | 44.7 85.9 -82.8 119.4 316                  | 0.767 0.0 1.0                | 0.656 0.0 1.0                   | 43.5 85.1 -85.0 120.3 315                  | 0.767 0.0 1.0                |                                 |                                 |                                 |
| 332                    | 317                     | 316                     | 1.0 0.0 0.934                   | 55.2 93.0 -49.4 105.4 332                  | 0.735 0.0 1.0                   | 45.9 86.6 -80.7 118.4 317                  | 0.783 0.0 1.0                |                                 |                                            |                              |                                 |                                 |                                 |

Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
$$h_{ab,s} = \text{atan} [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60-Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_{de}$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne





Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd}361Mi$ |       |     |      |       |       |       | $LAB^*_{ds}361Mix(x=LabCh)$ |     |       |     |      |      |      | $rgb^*_{ds}361Mi$ |    |     |       |     |     |       | $LAB^*_{ds}361Mix(x=LabCh)$ |      |      |      |      |    |     | $rgb^*_{s50M}$ |     |  |  |  |  |  | $rgb^*_{de}361Mi$ |  |  |  |  |  |  | $LAB^*_{de}361Mix(x=LabCh)$ |  |  |  |  |  |  | $rgb^*_{e50M}$ |  |  |  |  |  |  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|-------------------|-------|-----|------|-------|-------|-------|-----------------------------|-----|-------|-----|------|------|------|-------------------|----|-----|-------|-----|-----|-------|-----------------------------|------|------|------|------|----|-----|----------------|-----|--|--|--|--|--|-------------------|--|--|--|--|--|--|-----------------------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--------------|--------------|--------------|
| 90         | 75         | 76         | 1.0               | 0.854 | 0.0 | 81.3 | 0.0   | 97.4  | 97.4  | 90                          | 1.0 | 0.635 | 0.0 | 70.2 | 23.6 | 88.1 | 91.2              | 75 | 1.0 | 0.75  | 0.0 | 1.0 | 0.65  | 0.0                         | 70.9 | 22.1 | 88.7 | 91.4 | 76 | 1.0 | 0.75           | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 91         | 76         | 77         | 1.0               | 0.868 | 0.0 | 82.1 | -1.6  | 98.0  | 98.0  | 91                          | 1.0 | 0.65  | 0.0 | 70.9 | 22.1 | 88.7 | 91.4              | 76 | 1.0 | 0.767 | 0.0 | 1.0 | 0.665 | 0.0                         | 71.6 | 20.6 | 89.3 | 91.6 | 77 | 1.0 | 0.767          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 92         | 77         | 78         | 1.0               | 0.881 | 0.0 | 83.0 | -3.4  | 98.9  | 98.9  | 92                          | 1.0 | 0.665 | 0.0 | 71.6 | 20.6 | 89.3 | 91.6              | 77 | 1.0 | 0.783 | 0.0 | 1.0 | 0.68  | 0.0                         | 72.2 | 19.1 | 89.8 | 91.8 | 78 | 1.0 | 0.783          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 93         | 78         | 79         | 1.0               | 0.894 | 0.0 | 84.1 | -5.1  | 100.0 | 100.1 | 93                          | 1.0 | 0.68  | 0.0 | 72.2 | 19.1 | 89.8 | 91.8              | 78 | 1.0 | 0.8   | 0.0 | 1.0 | 0.694 | 0.0                         | 72.9 | 17.6 | 90.4 | 92.1 | 79 | 1.0 | 0.8            | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 94         | 79         | 80         | 1.0               | 0.907 | 0.0 | 85.1 | -7.0  | 101.1 | 101.3 | 94                          | 1.0 | 0.694 | 0.0 | 72.9 | 17.6 | 90.4 | 92.1              | 79 | 1.0 | 0.817 | 0.0 | 1.0 | 0.709 | 0.0                         | 73.6 | 16.0 | 90.9 | 92.3 | 80 | 1.0 | 0.817          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 95         | 80         | 81         | 1.0               | 0.92  | 0.0 | 86.2 | -8.8  | 102.2 | 102.5 | 95                          | 1.0 | 0.709 | 0.0 | 73.6 | 16.0 | 90.9 | 92.3              | 80 | 1.0 | 0.833 | 0.0 | 1.0 | 0.724 | 0.0                         | 74.3 | 14.5 | 91.4 | 92.5 | 81 | 1.0 | 0.833          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 96         | 81         | 82         | 1.0               | 0.932 | 0.0 | 87.2 | -10.7 | 103.2 | 103.7 | 96                          | 1.0 | 0.724 | 0.0 | 74.3 | 14.5 | 91.4 | 92.5              | 81 | 1.0 | 0.85  | 0.0 | 1.0 | 0.739 | 0.0                         | 75.0 | 12.9 | 91.8 | 92.7 | 82 | 1.0 | 0.85           | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 97         | 82         | 83         | 1.0               | 0.945 | 0.0 | 88.3 | -12.7 | 104.2 | 105.0 | 97                          | 1.0 | 0.739 | 0.0 | 75.0 | 12.9 | 91.8 | 92.7              | 82 | 1.0 | 0.867 | 0.0 | 1.0 | 0.753 | 0.0                         | 75.7 | 11.3 | 92.3 | 93.0 | 83 | 1.0 | 0.867          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 98         | 83         | 85         | 1.0               | 0.958 | 0.0 | 89.3 | -14.7 | 105.1 | 106.2 | 98                          | 1.0 | 0.753 | 0.0 | 75.7 | 11.3 | 92.3 | 93.0              | 83 | 1.0 | 0.883 | 0.0 | 1.0 | 0.782 | 0.0                         | 77.3 | 8.2  | 93.9 | 94.3 | 85 | 1.0 | 0.883          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 99         | 84         | 86         | 1.0               | 0.971 | 0.0 | 90.4 | -16.7 | 106.0 | 107.4 | 99                          | 1.0 | 0.768 | 0.0 | 76.5 | 9.8  | 93.1 | 93.7              | 84 | 1.0 | 0.9   | 0.0 | 1.0 | 0.796 | 0.0                         | 78.1 | 6.6  | 94.7 | 94.9 | 86 | 1.0 | 0.9            | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 100        | 85         | 87         | 1.0               | 0.983 | 0.0 | 91.4 | -18.8 | 106.9 | 108.6 | 100                         | 1.0 | 0.782 | 0.0 | 77.3 | 8.2  | 93.9 | 94.3              | 85 | 1.0 | 0.917 | 0.0 | 1.0 | 0.811 | 0.0                         | 78.9 | 5.0  | 95.4 | 95.5 | 87 | 1.0 | 0.917          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 101        | 86         | 88         | 1.0               | 0.996 | 0.0 | 92.5 | -20.8 | 107.8 | 109.8 | 101 $J_d$                   | 1.0 | 0.796 | 0.0 | 78.1 | 6.6  | 94.7 | 94.9              | 86 | 1.0 | 0.933 | 0.0 | 1.0 | 0.825 | 0.0                         | 79.7 | 3.4  | 96.1 | 96.1 | 88 | 1.0 | 0.933          | 0.0 |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |
| 102        | 87         | 89         | 0.989             | 1.0   | 0.0 | 92.6 | -22.8 | 107.7 | 110.1 | 102                         | 1.0 | 0.811 | 0.0 | 78.9 | 5.0  | 95.4 | 95.5              | 87 | 1.0 | 0.95  | 0.0 | 1.0 | 0.839 | 0.0                         | 80.5 | 1.7  | 96.8 | 96.8 | 89 | 1.0 | 0.95           |     |  |  |  |  |  |                   |  |  |  |  |  |  |                             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |              |              |



| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |       |      |       |       |                             |     |     |       |       |      |                   |       |      |                             |     |     |                |     |       |                   |      |       |                             |      |     |                |     |       |              |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-------|------|-------|-------|-----------------------------|-----|-----|-------|-------|------|-------------------|-------|------|-----------------------------|-----|-----|----------------|-----|-------|-------------------|------|-------|-----------------------------|------|-----|----------------|-----|-------|--------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |       |      |       |       | $LAB^*_{dd361Mix}(x=LabCh)$ |     |     |       |       |      | $rgb^*_{ds361Mi}$ |       |      | $LAB^*_{ds361Mix}(x=LabCh)$ |     |     | $rgb^*_{s50M}$ |     |       | $rgb^*_{de361Mi}$ |      |       | $LAB^*_{de361Mix}(x=LabCh)$ |      |     | $rgb^*_{e50M}$ |     |       | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                           | 165        | 176        | 0.0               | 1.0   | 0.921 | 86.2 | -55.1 | 0.0   | 55.2                        | 180 | 0.0 | 1.0   | 0.808 | 85.4 | -61.5             | 16.5  | 63.8 | 165                         | 0.0 | 1.0 | 0.25           | 0.0 | 1.0   | 0.903             | 86.0 | -56.6 | 4.0                         | 56.8 | 176 | 0.0            | 1.0 | 0.25  |              |              |              |
| 181                                                                                                                                                                                                                                                                                                                                                                                                                           | 166        | 177        | 0.0               | 1.0   | 0.926 | 86.2 | -54.6 | -0.9  | 54.7                        | 181 | 0.0 | 1.0   | 0.821 | 85.5 | -60.9             | 15.2  | 62.9 | 166                         | 0.0 | 1.0 | 0.267          | 0.0 | 1.0   | 0.907             | 86.0 | -56.2 | 3.0                         | 56.4 | 177 | 0.0            | 1.0 | 0.267 |              |              |              |
| 182                                                                                                                                                                                                                                                                                                                                                                                                                           | 167        | 178        | 0.0               | 1.0   | 0.931 | 86.3 | -54.2 | -1.8  | 54.3                        | 182 | 0.0 | 1.0   | 0.834 | 85.5 | -60.3             | 14.0  | 62.0 | 167                         | 0.0 | 1.0 | 0.283          | 0.0 | 1.0   | 0.912             | 86.1 | -55.8 | 2.0                         | 56.0 | 178 | 0.0            | 1.0 | 0.283 |              |              |              |
| 183                                                                                                                                                                                                                                                                                                                                                                                                                           | 168        | 179        | 0.0               | 1.0   | 0.935 | 86.3 | -53.7 | -2.7  | 53.9                        | 183 | 0.0 | 1.0   | 0.847 | 85.6 | -59.7             | 12.7  | 61.1 | 168                         | 0.0 | 1.0 | 0.3            | 0.0 | 1.0   | 0.917             | 86.1 | -55.5 | 1.0                         | 55.6 | 179 | 0.0            | 1.0 | 0.3   |              |              |              |
| 184                                                                                                                                                                                                                                                                                                                                                                                                                           | 169        | 180        | 0.0               | 1.0   | 0.94  | 86.4 | -53.3 | -3.6  | 53.5                        | 184 | 0.0 | 1.0   | 0.86  | 85.6 | -59.0             | 11.5  | 60.2 | 169                         | 0.0 | 1.0 | 0.317          | 0.0 | 1.0   | 0.921             | 86.2 | -55.1 | 0.0                         | 55.2 | 180 | 0.0            | 1.0 | 0.317 |              |              |              |
| 185                                                                                                                                                                                                                                                                                                                                                                                                                           | 170        | 180        | 0.0               | 1.0   | 0.945 | 86.4 | -52.8 | -4.5  | 53.1                        | 185 | 0.0 | 1.0   | 0.873 | 85.7 | -58.3             | 10.3  | 59.3 | 170                         | 0.0 | 1.0 | 0.333          | 0.0 | 1.0   | 0.921             | 86.2 | -55.1 | 0.0                         | 55.2 | 180 | 0.0            | 1.0 | 0.333 |              |              |              |
| 186                                                                                                                                                                                                                                                                                                                                                                                                                           | 171        | 181        | 0.0               | 1.0   | 0.949 | 86.5 | -52.3 | -5.4  | 52.7                        | 186 | 0.0 | 1.0   | 0.879 | 85.7 | -58.0             | 9.2   | 58.9 | 171                         | 0.0 | 1.0 | 0.35           | 0.0 | 1.0   | 0.926             | 86.2 | -54.6 | -0.9                        | 54.7 | 181 | 0.0            | 1.0 | 0.35  |              |              |              |
| 187                                                                                                                                                                                                                                                                                                                                                                                                                           | 172        | 182        | 0.0               | 1.0   | 0.954 | 86.5 | -51.8 | -6.3  | 52.3                        | 187 | 0.0 | 1.0   | 0.884 | 85.8 | -57.8             | 8.1   | 58.5 | 172                         | 0.0 | 1.0 | 0.367          | 0.0 | 1.0   | 0.931             | 86.3 | -54.2 | -1.8                        | 54.3 | 182 | 0.0            | 1.0 | 0.367 |              |              |              |
| 188                                                                                                                                                                                                                                                                                                                                                                                                                           | 173        | 183        | 0.0               | 1.0   | 0.959 | 86.6 | -51.3 | -7.1  | 51.9                        | 188 | 0.0 | 1.0   | 0.888 | 85.8 | -57.5             | 7.1   | 58.0 | 173                         | 0.0 | 1.0 | 0.383          | 0.0 | 1.0   | 0.935             | 86.3 | -53.7 | -2.7                        | 53.9 | 183 | 0.0            | 1.0 | 0.383 |              |              |              |
| 189                                                                                                                                                                                                                                                                                                                                                                                                                           | 174        | 184        | 0.0               | 1.0   | 0.963 | 86.6 | -50.7 | -7.9  | 51.4                        | 189 | 0.0 | 1.0   | 0.893 | 85.9 | -57.2             | 6.0   | 57.6 | 174                         | 0.0 | 1.0 | 0.4            | 0.0 | 1.0   | 0.94              | 86.4 | -53.3 | -3.6                        | 53.5 | 184 | 0.0            | 1.0 | 0.4   |              |              |              |
| 190                                                                                                                                                                                                                                                                                                                                                                                                                           | 175        | 185        | 0.0               | 1.0   | 0.968 | 86.7 | -50.2 | -8.8  | 51.0                        | 190 | 0.0 | 1.0   | 0.898 | 85.9 | -56.9             | 5.0   | 57.2 | 175                         | 0.0 | 1.0 | 0.417          | 0.0 | 1.0   | 0.945             | 86.4 | -52.8 | -4.5                        | 53.1 | 185 | 0.0            | 1.0 | 0.417 |              |              |              |
| 191                                                                                                                                                                                                                                                                                                                                                                                                                           | 176        | 186        | 0.0               | 1.0   | 0.973 | 86.7 | -49.6 | -9.6  | 50.6                        | 191 | 0.0 | 1.0   | 0.903 | 86.0 | -56.6             | 4.0   | 56.8 | 176                         | 0.0 | 1.0 | 0.433          | 0.0 | 1.0   | 0.949             | 86.5 | -52.3 | -5.4                        | 52.7 | 186 | 0.0            | 1.0 | 0.433 |              |              |              |
| 192                                                                                                                                                                                                                                                                                                                                                                                                                           | 177        | 187        | 0.0               | 1.0   | 0.977 | 86.7 | -49.0 | -10.3 | 50.2                        | 192 | 0.0 | 1.0   | 0.907 | 86.0 | -56.2             | 3.0   | 56.4 | 177                         | 0.0 | 1.0 | 0.45           | 0.0 | 1.0   | 0.954             | 86.5 | -51.8 | -6.3                        | 52.3 | 187 | 0.0            | 1.0 | 0.45  |              |              |              |
| 193                                                                                                                                                                                                                                                                                                                                                                                                                           | 178        | 188        | 0.0               | 1.0   | 0.982 | 86.8 | -48.4 | -11.1 | 49.8                        | 193 | 0.0 | 1.0   | 0.912 | 86.1 | -55.8             | 2.0   | 56.0 | 178                         | 0.0 | 1.0 | 0.467          | 0.0 | 1.0   | 0.959             | 86.6 | -51.3 | -7.1                        | 51.9 | 188 | 0.0            | 1.0 | 0.467 |              |              |              |
| 194                                                                                                                                                                                                                                                                                                                                                                                                                           | 179        | 189        | 0.0               | 1.0   | 0.987 | 86.8 | -47.8 | -11.8 | 49.4                        | 194 | 0.0 | 1.0   | 0.917 | 86.1 | -55.5             | 1.0   | 55.6 | 179                         | 0.0 | 1.0 | 0.483          | 0.0 | 1.0   | 0.963             | 86.6 | -50.7 | -7.9                        | 51.4 | 189 | 0.0            | 1.0 | 0.483 |              |              |              |
| 195                                                                                                                                                                                                                                                                                                                                                                                                                           | 180        | 190        | 0.0               | 1.0   | 0.991 | 86.9 | -47.2 | -12.6 | 49.0                        | 195 | 0.0 | 1.0   | 0.921 | 86.2 | -55.1             | 0.0   | 55.2 | 180                         | 0.0 | 1.0 | 0.5            | 0.0 | 1.0   | 0.968             | 86.7 | -50.2 | -8.8                        | 51.0 | 190 | 0.0            | 1.0 | 0.5   |              |              |              |
| 196                                                                                                                                                                                                                                                                                                                                                                                                                           | 181        | 191        | 0.0               | 1.0   | 0.996 | 86.9 | -46.6 | -13.3 | 48.6                        | 196 | 0.0 | 1.0   | 0.926 | 86.2 | -54.6             | -0.9  | 54.7 | 181                         | 0.0 | 1.0 | 0.517          | 0.0 | 1.0   | 0.973             | 86.7 | -49.6 | -9.6                        | 50.6 | 191 | 0.0            | 1.0 | 0.517 |              |              |              |
| 197                                                                                                                                                                                                                                                                                                                                                                                                                           | 182        | 191        | 0.0               | 0.999 | 1.0   | 86.9 | -46.0 | -14.0 | 48.2                        | 197 | 0.0 | 1.0   | 0.931 | 86.3 | -54.2             | -1.8  | 54.3 | 182                         | 0.0 | 1.0 | 0.533          | 0.0 | 1.0   | 0.973             | 86.7 | -49.6 | -9.6                        | 50.6 | 191 | 0.0            | 1.0 | 0.533 |              |              |              |
| 198                                                                                                                                                                                                                                                                                                                                                                                                                           | 183        | 192        | 0.0               | 0.996 | 1.0   | 86.6 | -45.6 | -14.8 | 48.1                        | 198 | 0.0 | 1.0   | 0.935 | 86.3 | -53.7             | -2.7  | 53.9 | 183                         | 0.0 | 1.0 | 0.55           | 0.0 | 1.0   | 0.977             | 86.7 | -49.0 | -10.3                       | 50.2 | 192 | 0.0            | 1.0 | 0.55  |              |              |              |
| 199                                                                                                                                                                                                                                                                                                                                                                                                                           | 184        | 193        | 0.0               | 0.992 | 1.0   | 86.2 | -45.2 | -15.5 | 47.9                        | 199 | 0.0 | 1.0   | 0.94  | 86.4 | -53.3             | -3.6  | 53.5 | 184                         | 0.0 | 1.0 | 0.567          | 0.0 | 1.0   | 0.982             | 86.8 | -48.4 | -11.1                       | 49.8 | 193 | 0.0            | 1.0 | 0.567 |              |              |              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                           | 185        | 194        | 0.0               | 0.988 | 1.0   | 85.8 | -44.8 | -16.2 | 47.8                        | 200 | 0.0 | 1.0   | 0.945 | 86.4 | -52.8             | -4.5  | 53.1 | 185                         | 0.0 | 1.0 | 0.583          | 0.0 | 1.0   | 0.987             | 86.8 | -47.8 | -11.8                       | 49.4 | 194 | 0.0            | 1.0 | 0.583 |              |              |              |
| 201                                                                                                                                                                                                                                                                                                                                                                                                                           | 186        | 195        | 0.0               | 0.984 | 1.0   | 85.5 | -44.4 | -17.0 | 47.7                        | 201 | 0.0 | 1.0   | 0.949 | 86.5 | -52.3             | -5.4  | 52.7 | 186                         | 0.0 | 1.0 | 0.6            | 0.0 | 1.0   | 0.991             | 86.9 | -47.2 | -12.6                       | 49.0 | 195 | 0.0            | 1.0 | 0.6   |              |              |              |
| 202                                                                                                                                                                                                                                                                                                                                                                                                                           | 187        | 196        | 0.0               | 0.981 | 1.0   | 85.1 | -44.0 | -17.7 | 47.5                        | 202 | 0.0 | 1.0   | 0.954 | 86.5 | -51.8             | -6.3  | 52.3 | 187                         | 0.0 | 1.0 | 0.617          | 0.0 | 1.0   | 0.996             | 86.9 | -46.6 | -13.3                       | 48.6 | 196 | 0.0            | 1.0 | 0.617 |              |              |              |
| 203                                                                                                                                                                                                                                                                                                                                                                                                                           | 188        | 197        | 0.0               | 0.977 | 1.0   | 84.7 | -43.5 | -18.4 | 47.4                        | 203 | 0.0 | 1.0   | 0.959 | 86.6 | -51.3             | -7.1  | 51.9 | 188                         | 0.0 | 1.0 | 0.633          | 0.0 | 0.999 | 1.0               | 86.9 | -46.0 | -14.0                       | 48.2 | 197 | 0.0            | 1.0 | 0.633 |              |              |              |
| 204                                                                                                                                                                                                                                                                                                                                                                                                                           | 189        | 198        | 0.0               | 0.973 | 1.0   | 84.4 | -43.1 | -19.1 | 47.2                        | 204 | 0.0 | 1.0   | 0.963 | 86.6 | -50.7             | -7.9  | 51.4 | 189                         | 0.0 | 1.0 | 0.65           | 0.0 | 0.996 | 1.0               | 86.6 | -45.6 | -14.8                       | 48.1 | 198 | 0.0            | 1.0 | 0.65  |              |              |              |
| 205                                                                                                                                                                                                                                                                                                                                                                                                                           | 190        | 199        | 0.0               | 0.969 | 1.0   | 84.0 | -42.6 | -19.8 | 47.1                        | 205 | 0.0 | 1.0   | 0.968 | 86.7 | -50.2             | -8.8  | 51.0 | 190                         | 0.0 | 1.0 | 0.667          | 0.0 | 0.992 | 1.0               | 86.2 | -45.2 | -15.5                       | 47.9 | 199 | 0.0            | 1.0 | 0.667 |              |              |              |
| 206                                                                                                                                                                                                                                                                                                                                                                                                                           | 191        | 200        | 0.0               | 0.966 | 1.0   | 83.7 | -42.1 | -20.5 | 47.0                        | 206 | 0.0 | 1.0   | 0.973 | 86.7 | -49.6             | -9.6  | 50.6 | 191                         | 0.0 | 1.0 | 0.683          | 0.0 | 0.988 | 1.0               | 85.8 | -44.8 | -16.2                       | 47.8 | 200 | 0.0            | 1.0 | 0.683 |              |              |              |
| 207                                                                                                                                                                                                                                                                                                                                                                                                                           | 192        | 201        | 0.0               | 0.962 | 1.0   | 83.3 | -41.6 | -21.2 | 46.8                        | 207 | 0.0 | 1.0   | 0.977 | 86.7 | -49.0             | -10.3 | 50.2 | 192                         | 0.0 | 1.0 | 0.7            | 0.0 | 0.984 | 1.0               | 85.5 | -44.4 | -17.0                       | 47.7 | 201 | 0.0            | 1.0 | 0.7   |              |              |              |
| 208                                                                                                                                                                                                                                                                                                                                                                                                                           | 193        | 201        | 0.0               | 0.958 | 1.0   | 82.9 | -41.1 | -21.8 | 46.7                        | 208 | 0.0 | 1.0   | 0.982 | 86.8 | -48.4             | -11.1 | 49.8 | 193                         | 0.0 | 1.0 | 0.717          | 0.0 | 0.984 | 1.0               | 85.5 | -44.4 | -17.0                       | 47.7 | 201 | 0.0            | 1.0 | 0.717 |              |              |              |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                           | 194        | 202        | 0.0               | 0.954 | 1.0   | 82.6 | -40.6 | -22.5 | 46.6                        | 209 | 0.0 | 1.0   | 0.987 | 86.8 | -47.8             | -11.8 | 49.4 | 194                         | 0.0 | 1.0 | 0.733          | 0.0 | 0.981 | 1.0               | 85.1 | -44.0 | -17.7                       | 47.5 | 202 | 0.0            | 1.0 | 0.733 |              |              |              |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                           | 195        | 203        | 0.0               | 0.951 | 1.0   | 82.2 | -40.1 | -23.1 | 46.4                        | 210 | 0.0 | 1.0   | 0.991 | 86.9 | -47.2             | -12.6 | 49.0 | 195                         | 0.0 | 1.0 | 0.75           | 0.0 | 0.977 | 1.0               | 84.7 | -43.5 | -18.4                       | 47.4 | 203 | 0.0            | 1.0 | 0.75  |              |              |              |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                           | 196        | 204        | 0.0               | 0.947 | 1.0   | 81.8 | -39.6 | -23.7 | 46.3                        | 211 | 0.0 | 1.0   | 0.996 | 86.9 | -46.6             | -13.3 | 48.6 | 196                         | 0.0 | 1.0 | 0.767          | 0.0 | 0.973 | 1.0               | 84.4 | -43.1 | -19.1                       | 47.2 | 204 | 0.0            | 1.0 | 0.767 |              |              |              |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                           | 197        | 205        | 0.0               | 0.943 | 1.0   | 81.5 | -39.0 | -24.4 | 46.1                        | 212 | 0.0 | 0.999 | 1.0   | 86.9 | -46.0             | -14.0 | 48.2 | 197                         | 0.0 | 1.0 | 0.783          | 0.0 | 0.969 | 1.0               | 84.0 | -42.6 | -19.8                       | 47.1 | 205 | 0.0            | 1.0 | 0.783 |              |              |              |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                           | 198        | 206        | 0.0               | 0.939 | 1.0   | 81.1 | -38.5 | -25.0 | 46.0                        | 213 | 0.0 | 0.996 | 1.0   | 86.6 | -45.6             | -14.8 | 48.1 | 198                         | 0.0 | 1.0 | 0.8            | 0.0 | 0.966 | 1.0               | 83.7 | -42.1 | -20.5                       | 47.0 | 206 | 0.0            | 1.0 | 0.8   |              |              |              |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                           | 199        | 207        | 0.0               | 0.936 | 1.0   | 80.8 | -37.9 | -25.6 | 45.9                        | 214 | 0.0 | 0.992 | 1.0   | 86.2 | -45.2             | -15.5 | 47.9 | 199                         | 0.0 | 1.0 | 0.817          | 0.0 | 0.962 | 1.0               | 83.3 | -41.6 | -21.2                       | 46.8 | 207 | 0.0            | 1.0 | 0.817 |              |              |              |
| 215                                                                                                                                                                                                                                                                                                                                                                                                                           | 200        | 208        | 0.0               | 0.932 | 1.0   | 80.4 | -37.4 | -26.1 | 45.7                        | 215 | 0.0 | 0.988 | 1.0   | 85.8 | -44.8             | -16.2 | 47.8 | 200                         | 0.0 | 1.0 | 0.833          | 0.0 | 0.958 | 1.0               | 82.9 | -41.1 | -21.8                       | 46.7 | 208 | 0.0            | 1.0 | 0.833 |              |              |              |
| 216                                                                                                                                                                                                                                                                                                                                                                                                                           | 201        | 209        | 0.0               | 0.928 | 1.0   | 80.0 | -36.8 | -26.7 | 45.6                        | 216 | 0.0 | 0.984 | 1.0   | 85.5 | -44.4             | -17.0 | 47.7 | 201                         | 0.0 | 1.0 | 0.85           | 0.0 | 0.954 | 1.0               | 82.6 | -40.6 | -22.5                       | 46.6 | 209 | 0.0            | 1.0 | 0.85  |              |              |              |
| 217                                                                                                                                                                                                                                                                                                                                                                                                                           | 202        | 210        | 0.0               | 0.924 | 1.0   | 79.7 | -36.2 | -27.3 | 45.5                        | 217 | 0.0 | 0.981 | 1.0   | 85.1 | -44.0             | -17.7 | 47.5 | 202                         | 0.0 | 1.0 | 0.867          | 0.0 | 0.951 | 1.0               | 82.2 | -40.1 | -23.1                       | 46.4 | 210 | 0.0            | 1.0 | 0.867 |              |              |              |



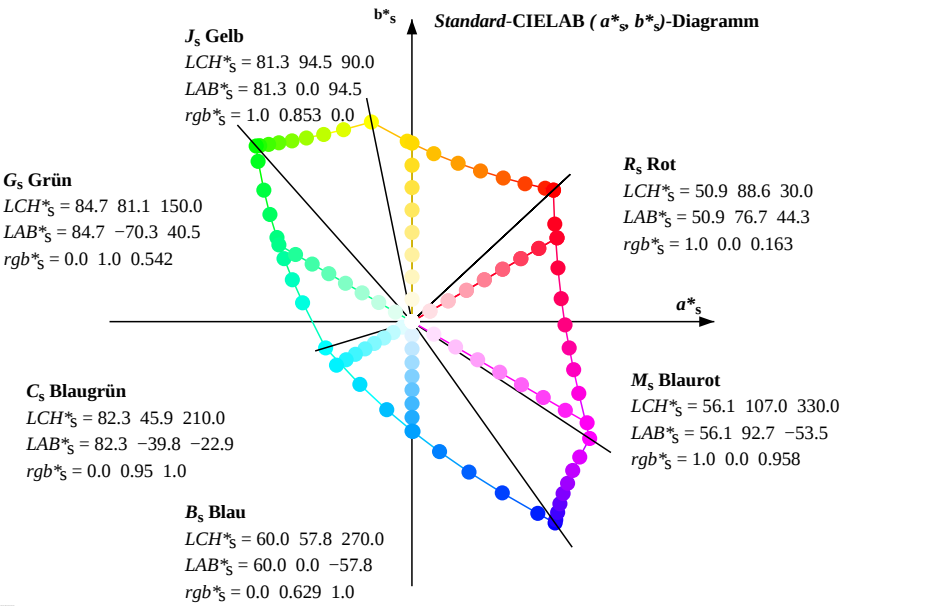
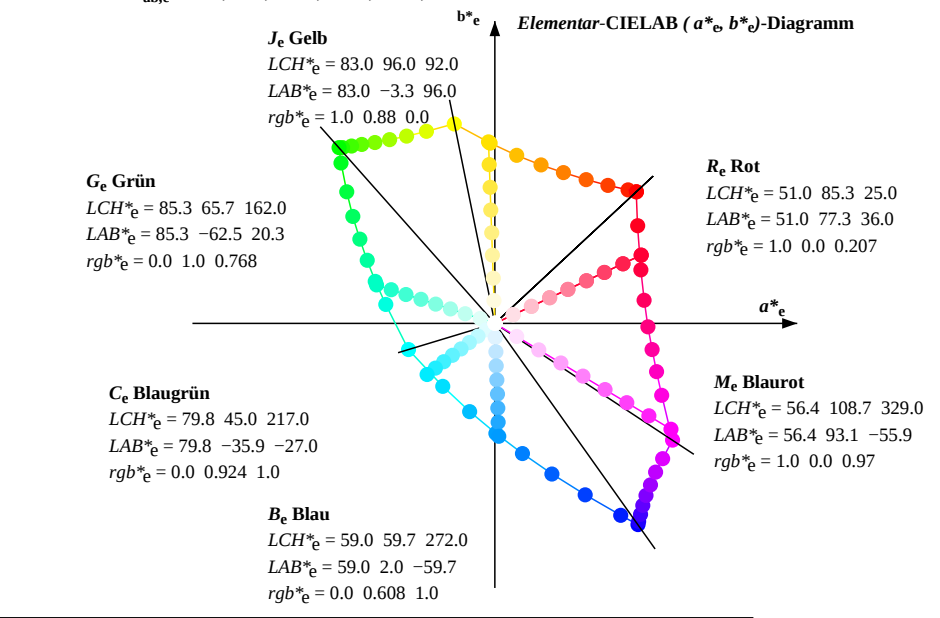
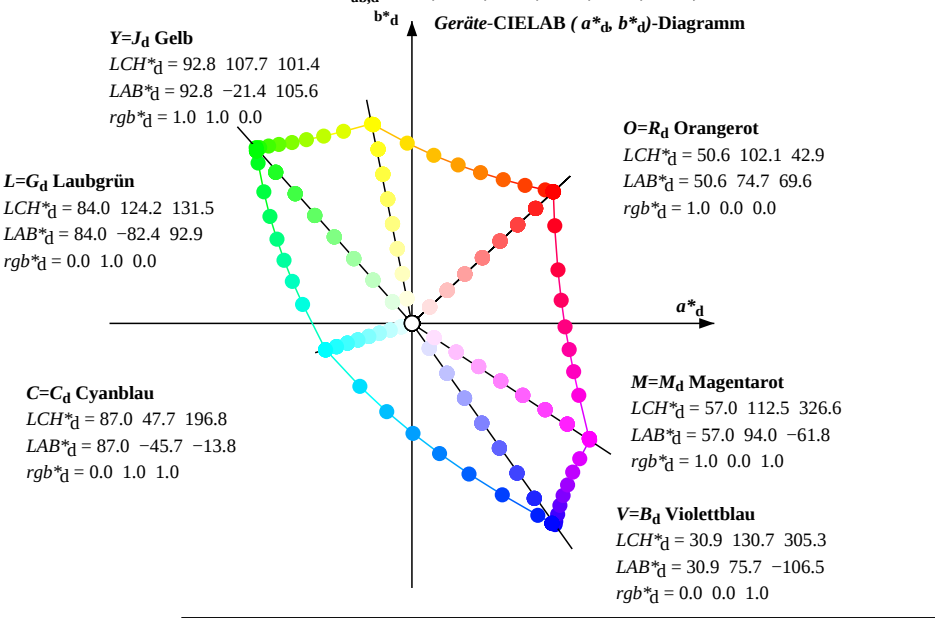


Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 45.7, 101.3, 131.2, 196.8, 306.0, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| a   | b   | d   | h <sub>ab,s</sub> | h <sub>abe</sub> | r <i>gb*</i> _dd361Mi | LAB*_dd361Mix (x=LabCh)   | r <i>gb*</i> _ds361Mi        | LAB*_ds361Mix (x=LabCh)   | r <i>gb*</i> _s50M | r <i>gb*</i> _de361Mi | LAB*_de361Mix (x=LabCh)   | r <i>gb*</i> _e50M | r <i>gb*</i> _dd361Mi | r <i>gb*</i> _ds361Mi | r <i>gb*</i> _de361Mi |
|-----|-----|-----|-------------------|------------------|-----------------------|---------------------------|------------------------------|---------------------------|--------------------|-----------------------|---------------------------|--------------------|-----------------------|-----------------------|-----------------------|
| 315 | 300 | 300 | 0.656             | 0.0              | 1.0                   | 43.5 85.1 -85.0 120.3 315 | 0.0 0.209 1.0                | 37.2 55.6 -96.2 111.2 300 | 0.5 0.0 1.0        | 0.0 0.209 1.0         | 37.2 55.6 -96.2 111.2 300 | 0.5 0.0 1.0        |                       |                       |                       |
| 316 | 301 | 301 | 0.696             | 0.0              | 1.0                   | 44.7 85.9 -82.8 119.4 316 | 0.0 0.186 1.0                | 36.0 59.1 -98.3 114.8 301 | 0.517 0.0 1.0      | 0.0 0.186 1.0         | 36.0 59.1 -98.3 114.8 301 | 0.517 0.0 1.0      |                       |                       |                       |
| 317 | 302 | 302 | 0.735             | 0.0              | 1.0                   | 45.9 86.6 -80.7 118.4 317 | 0.0 0.164 1.0                | 34.8 62.7 -100.3118.4 302 | 0.533 0.0 1.0      | 0.0 0.164 1.0         | 34.8 62.7 -100.3118.4 302 | 0.533 0.0 1.0      |                       |                       |                       |
| 318 | 303 | 303 | 0.777             | 0.0              | 1.0                   | 47.1 87.5 -78.6 117.7 318 | 0.0 0.142 1.0                | 33.6 66.4 -102.2121.9 303 | 0.55 0.0 1.0       | 0.0 0.142 1.0         | 33.6 66.4 -102.2121.9 303 | 0.55 0.0 1.0       |                       |                       |                       |
| 319 | 304 | 304 | 0.803             | 0.0              | 1.0                   | 48.3 88.4 -76.7 117.1 319 | 0.0 0.111 1.0                | 32.3 70.3 -104.1125.7 304 | 0.567 0.0 1.0      | 0.0 0.111 1.0         | 32.3 70.3 -104.1125.7 304 | 0.567 0.0 1.0      |                       |                       |                       |
| 320 | 305 | 305 | 0.837             | 0.0              | 1.0                   | 49.4 89.2 -74.8 116.5 320 | 0.0 0.055 1.0                | 30.9 74.7 -106.6130.3 305 | 0.583 0.0 1.0      | 0.0 0.055 1.0         | 30.9 74.7 -106.6130.3 305 | 0.583 0.0 1.0      |                       |                       |                       |
| 321 | 306 | 306 | 0.87              | 0.0              | 1.0                   | 50.6 90.1 -72.8 115.9 321 | 0.01 0.0 1.0                 | 29.6 79.1 -108.8134.6 306 | 0.6 0.0 1.0        | 0.01 0.0 1.0          | 29.6 79.1 -108.8134.6 306 | 0.6 0.0 1.0        |                       |                       |                       |
| 322 | 307 | 307 | 0.894             | 0.0              | 1.0                   | 51.6 91.1 -71.0 115.5 322 | 0.173 0.0 1.0                | 31.5 79.6 -105.5132.2 307 | 0.617 0.0 1.0      | 0.173 0.0 1.0         | 31.5 79.6 -105.5132.2 307 | 0.617 0.0 1.0      |                       |                       |                       |
| 323 | 308 | 308 | 0.916             | 0.0              | 1.0                   | 52.7 92.0 -69.2 115.2 323 | 0.265 0.0 1.0                | 33.3 80.1 -102.4130.1 308 | 0.633 0.0 1.0      | 0.265 0.0 1.0         | 33.3 80.1 -102.4130.1 308 | 0.633 0.0 1.0      |                       |                       |                       |
| 324 | 309 | 309 | 0.939             | 0.0              | 1.0                   | 53.8 93.0 -67.4 114.9 324 | 0.34 0.0 1.0                 | 34.9 80.6 -99.5 128.1 309 | 0.65 0.0 1.0       | 0.34 0.0 1.0          | 34.9 80.6 -99.5 128.1 309 | 0.65 0.0 1.0       |                       |                       |                       |
| 325 | 310 | 310 | 0.961             | 0.0              | 1.0                   | 54.8 93.9 -65.6 114.6 325 | 0.406 0.0 1.0                | 36.5 81.2 -96.7 126.4 310 | 0.667 0.0 1.0      | 0.406 0.0 1.0         | 36.5 81.2 -96.7 126.4 310 | 0.667 0.0 1.0      |                       |                       |                       |
| 326 | 311 | 311 | 0.984             | 0.0              | 1.0                   | 55.9 94.7 -63.8 114.3 326 | M <sub>e</sub> 0.465 0.0 1.0 | 38.1 81.9 -94.1 124.8 311 | 0.683 0.0 1.0      | 0.465 0.0 1.0         | 38.1 81.9 -94.1 124.8 311 | 0.683 0.0 1.0      |                       |                       |                       |
| 327 | 312 | 312 | 1.0               | 0.0              | 0.996                 | 56.5 95.2 -61.7 113.6 327 | 0.519 0.0 1.0                | 39.5 82.6 -91.6 123.4 312 | 0.7 0.0 1.0        | 0.519 0.0 1.0         | 39.5 82.6 -91.6 123.4 312 | 0.7 0.0 1.0        |                       |                       |                       |
| 328 | 313 | 312 | 1.0               | 0.0              | 0.984                 | 56.3 94.9 -59.2 111.9 328 | 0.567 0.0 1.0                | 40.9 83.4 -89.4 122.3 313 | 0.717 0.0 1.0      | 0.519 0.0 1.0         | 39.5 82.6 -91.6 123.4 312 | 0.717 0.0 1.0      |                       |                       |                       |
| 329 | 314 | 313 | 1.0               | 0.0              | 0.971                 | 56.0 94.5 -56.7 110.3 329 | 0.615 0.0 1.0                | 42.2 84.2 -87.1 121.3 314 | 0.733 0.0 1.0      | 0.567 0.0 1.0         | 40.9 83.4 -89.4 122.3 313 | 0.733 0.0 1.0      |                       |                       |                       |
| 330 | 315 | 314 | 1.0               | 0.0              | 0.959                 | 55.7 94.1 -54.2 108.6 330 | 0.656 0.0 1.0                | 43.5 85.1 -85.0 120.3 315 | 0.75 0.0 1.0       | 0.615 0.0 1.0         | 42.2 84.2 -87.1 121.3 314 | 0.75 0.0 1.0       |                       |                       |                       |
| 331 | 316 | 315 | 1.0               | 0.0              | 0.946                 | 55.5 93.6 -51.8 107.0 331 | 0.696 0.0 1.0                | 44.7 85.9 -82.8 119.4 316 | 0.767 0.0 1.0      | 0.656 0.0 1.0         | 43.5 85.1 -85.0 120.3 315 | 0.767 0.0 1.0      |                       |                       |                       |
| 332 | 317 | 316 | 1.0               | 0.0              | 0.934                 | 55.2 93.0 -4              |                              |                           |                    |                       |                           |                    |                       |                       |                       |



Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |             |       |       |                       |       |        |             |       |       |                       |       |      |             |       |       |              |       |       |                        |       |       |             |      |       |           |           |           |       |       |       |             |             |             |             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------|-------|-------|-----------------------|-------|--------|-------------|-------|-------|-----------------------|-------|------|-------------|-------|-------|--------------|-------|-------|------------------------|-------|-------|-------------|------|-------|-----------|-----------|-----------|-------|-------|-------|-------------|-------------|-------------|-------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*d50M$ |       |       | $LAB^*d50Mx(x=LabCh)$ |       |        | $rgb^*d50M$ |       |       | $LAB^*d50Mx(x=LabCh)$ |       |      | $rgb^*s50M$ |       |       | $rgb^*de50M$ |       |       | $LAB^*de50Mx(x=LabCh)$ |       |       | $rgb^*e50M$ |      |       | $rgb^*_d$ | $rgb^*_s$ | $rgb^*_e$ |       |       |       |             |             |             |             |
| 42.9                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0       | 25.5       | 1.0         | 0.0   | 0.0   | 50.7                  | 74.8  | 69.6   | 102.2       | 42.9  | 1.0   | 0.0                   | 0.164 | 50.9 | 76.8        | 44.3  | 88.6  | 30           | 1.0   | 0.0   | 0.0                    | 1.0   | 0.0   | 0.208       | 51.1 | 77.4  | 36.1      | 85.4      | 25        | 1.0   | 0.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 45.1                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5       | 33.8       | 1.0         | 0.125 | 0.0   | 52.2                  | 70.5  | 70.6   | 99.8        | 45.1  | 1.0   | 0.0                   | 0.072 | 50.8 | 75.6        | 59.1  | 96.0  | 38           | 1.0   | 0.125 | 0.0                    | 1.0   | 0.0   | 0.128       | 50.8 | 75.6  | 51.0      | 91.2      | 34        | 1.0   | 0.125 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 50.7                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0       | 42.2       | 1.0         | 0.25  | 0.0   | 55.9                  | 59.8  | 73.1   | 94.4        | 50.7  | 1.0   | 0.121                 | 0.0   | 52.1 | 70.6        | 70.6  | 99.9  | 45           | 1.0   | 0.25  | 0.0                    | 1.0   | 0.0   | 0.014       | 50.7 | 75.1  | 67.6      | 101.0     | 42        | 1.0   | 0.25  | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 57.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5       | 50.5       | 1.0         | 0.375 | 0.0   | 60.2                  | 48.3  | 76.1   | 90.1        | 57.6  | 1.0   | 0.292                 | 0.0   | 57.3 | 56.0        | 74.3  | 93.0  | 53           | 1.0   | 0.375 | 0.0                    | 1.0   | 0.256 | 0.0         | 56.1 | 59.3  | 73.2      | 94.2      | 51        | 1.0   | 0.375 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 65.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0       | 58.9       | 1.0         | 0.5   | 0.0   | 65.0                  | 36.2  | 79.8   | 87.7        | 65.6  | 1.0   | 0.412                 | 0.0   | 61.6 | 44.7        | 77.4  | 89.4  | 60           | 1.0   | 0.5   | 0.0                    | 1.0   | 0.397 | 0.0         | 61.0 | 46.2  | 76.9      | 89.7      | 59        | 1.0   | 0.5   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 73.8                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5       | 67.2       | 1.0         | 0.625 | 0.0   | 70.0                  | 24.3  | 83.8   | 87.3        | 73.8  | 1.0   | 0.537                 | 0.0   | 66.4 | 32.8        | 81.2  | 87.6  | 68           | 1.0   | 0.625 | 0.0                    | 1.0   | 0.521 | 0.0         | 65.8 | 34.2  | 80.6      | 87.6      | 67        | 1.0   | 0.625 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 82.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0       | 75.6       | 1.0         | 0.75  | 0.0   | 75.7                  | 11.6  | 88.9   | 89.7        | 82.6  | 1.0   | 0.642                 | 0.0   | 70.7 | 22.7        | 84.6  | 87.6  | 75           | 1.0   | 0.75  | 0.0                    | 1.0   | 0.656 | 0.0         | 71.4 | 21.3  | 85.3      | 87.9      | 76        | 1.0   | 0.75  | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 91.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5       | 84.0       | 1.0         | 0.875 | 0.0   | 82.6                  | -2.4  | 95.5   | 95.5        | 91.5  | 1.0   | 0.756                 | 0.0   | 76.0 | 11.0        | 89.3  | 89.9  | 83           | 1.0   | 0.875 | 0.0                    | 1.0   | 0.77  | 0.0         | 76.8 | 9.5   | 90.1      | 90.6      | 84        | 1.0   | 0.875 | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 101.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0       | 92.3       | 1.0         | 1.0   | 0.0   | 92.8                  | -21.3 | 105.6  | 107.8       | 101.5 | 1.0   | 0.854                 | 0.0   | 81.4 | 0.0         | 94.5  | 94.5  | 90           | 1.0   | 1.0   | 0.0                    | 1.0   | 0.881 | 0.0         | 83.1 | -3.3  | 96.0      | 96.1      | 92        | 1.0   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 109.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5       | 101.1      | 0.875       | 1.0   | 0.0   | 90.1                  | -36.1 | 101.6  | 107.8       | 109.6 | 1.0   | 0.956                 | 0.0   | 89.3 | -14.3       | 102.5 | 103.5 | 98           | 0.875 | 1.0   | 0.0                    | 1.0   | 0.994 | 0.0         | 92.3 | -20.4 | 105.3     | 107.2     | 101       | 0.875 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 115.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0      | 109.8      | 0.75        | 1.0   | 0.0   | 88.4                  | -46.5 | 99.1   | 109.5       | 115.2 | 0.946 | 1.0                   | 0.0   | 91.6 | -27.8       | 104.1 | 107.8 | 105          | 0.75  | 1.0   | 0.0                    | 0.866 | 1.0   | 0.0         | 89.9 | -36.8 | 101.5     | 108.0     | 110       | 0.75  | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 119.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5      | 118.5      | 0.625       | 1.0   | 0.0   | 87.2                  | -55.6 | 97.2   | 112.1       | 119.8 | 0.799 | 1.0                   | 0.0   | 89.1 | -42.4       | 100.2 | 108.9 | 113          | 0.625 | 1.0   | 0.0                    | 0.647 | 1.0   | 0.0         | 87.4 | -54.0 | 97.6      | 111.6     | 119       | 0.625 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 123.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0      | 127.3      | 0.5         | 1.0   | 0.0   | 86.2                  | -63.3 | 95.7   | 114.8       | 123.5 | 0.619 | 1.0                   | 0.0   | 87.1 | -56.0       | 97.2  | 112.2 | 120          | 0.5   | 1.0   | 0.0                    | 0.355 | 1.0   | 0.0         | 85.3 | -71.1 | 94.5      | 118.4     | 127       | 0.5   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 126.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5      | 136.0      | 0.375       | 1.0   | 0.0   | 85.4                  | -70.3 | 94.7   | 118.0       | 126.6 | 0.301 | 1.0                   | 0.0   | 85.0 | -73.5       | 94.2  | 119.5 | 128          | 0.375 | 1.0   | 0.0                    | 0.0   | 1.0   | 0.185       | 84.2 | -80.0 | 77.4      | 111.4     | 136       | 0.375 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 129.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0      | 144.7      | 0.25        | 1.0   | 0.0   | 84.7                  | -75.7 | 93.8   | 120.6       | 129.0 | 0.0   | 1.0                   | 0.158 | 84.1 | -80.6       | 80.7  | 114.2 | 135          | 0.25  | 1.0   | 0.0                    | 0.0   | 1.0   | 0.424       | 84.5 | -73.8 | 51.7      | 90.2      | 145       | 0.25  | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 130.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5      | 153.5      | 0.125       | 1.0   | 0.0   | 84.2                  | -80.4 | 93.1   | 123.1       | 130.9 | 0.0   | 1.0                   | 0.375 | 84.5 | -75.1       | 56.7  | 94.1  | 143          | 0.125 | 1.0   | 0.0                    | 0.0   | 1.0   | 0.608       | 84.9 | -68.1 | 34.7      | 76.5      | 153       | 0.125 | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 131.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0      | 162.2      | 0.0         | 1.0   | 0.0   | 84.0                  | -82.4 | 92.9   | 124.2       | 131.6 | 0.0   | 1.0                   | 0.542 | 84.8 | -70.2       | 40.6  | 81.2  | 150          | 0.0   | 1.0   | 0.0                    | 0.0   | 1.0   | 0.768       | 85.4 | -62.5 | 20.3      | 65.8      | 162       | 0.0   | 1.0   | 0.0   | <div></div> | <div></div> | <div></div> |             |
| 133.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5      | 169.1      | 0.0         | 1.0   | 0.125 | 84.1                  | -81.3 | 84.9   | 117.6       | 133.8 | 0.0   | 1.0                   | 0.702 | 85.2 | -65.0       | 26.3  | 70.2  | 158          | 0.0   | 1.0   | 0.125                  | 0.0   | 1.0   | 0.86        | 85.7 | -58.4 | 11.4      | 59.6      | 169       | 0.0   | 1.0   | 0.125 | <div></div> | <div></div> | <div></div> |             |
| 138.4                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0      | 175.9      | 0.0         | 1.0   | 0.25  | 84.3                  | -78.2 | 69.6   | 104.8       | 138.4 | 0.0   | 1.0                   | 0.808 | 85.5 | -60.9       | 16.3  | 63.1  | 165          | 0.0   | 1.0   | 0.25                   | 0.0   | 1.0   | 0.903       | 86.0 | -56.0 | 3.9       | 56.2      | 176       | 0.0   | 1.0   | 0.25  | <div></div> | <div></div> | <div></div> |             |
| 143.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5      | 182.8      | 0.0         | 1.0   | 0.375 | 84.5                  | -75.1 | 56.6   | 94.1        | 143.0 | 0.0   | 1.0                   | 0.888 | 85.9 | -56.9       | 7.0   | 57.5  | 173          | 0.0   | 1.0   | 0.375                  | 0.0   | 1.0   | 0.935       | 86.4 | -53.2 | -2.7      | 53.4      | 183       | 0.0   | 1.0   | 0.375 | <div></div> | <div></div> | <div></div> |             |
| 148.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0      | 189.6      | 0.0         | 1.0   | 0.5   | 84.7                  | -71.3 | 44.5   | 84.2        | 148.1 | 0.0   | 1.0                   | 0.921 | 86.2 | -54.5       | 0.0   | 54.6  | 180          | 0.0   | 1.0   | 0.5                    | 0.0   | 1.0   | 0.968       | 86.7 | -49.7 | -8.7      | 50.6      | 190       | 0.0   | 1.0   | 0.5   | <div></div> | <div></div> | <div></div> |             |
| 153.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5      | 196.4      | 0.0         | 1.0   | 0.625 | 85.0                  | -67.5 | 33.3   | 75.3        | 153.8 | 0.0   | 1.0                   | 0.959 | 86.6 | -50.8       | -7.0  | 51.4  | 188          | 0.0   | 1.0   | 0.625                  | 0.0   | 1.0   | 0.996       | 87.0 | -46.2 | -13.2     | 48.1      | 196       | 0.0   | 1.0   | 0.625 | <div></div> | <div></div> | <div></div> |             |
| 160.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0      | 203.3      | 0.0         | 1.0   | 0.75  | 85.3                  | -63.1 | 22.3   | 67.0        | 160.6 | 0.0   | 1.0                   | 0.991 | 87.0 | -46.8       | -12.5 | 48.5  | 195          | 0.0   | 1.0   | 0.75                   | 0.0   | 1.0   | 0.977       | 1.0  | 84.8  | -43.1     | -18.2     | 46.9      | 203   | 0.0   | 1.0   | 0.75        | <div></div> | <div></div> | <div></div> |
| 170.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5      | 210.1      | 0.0         | 1.0   | 0.875 | 85.8                  | -57.7 | 10.1   | 58.6        | 170.1 | 0.0   | 0.977                 | 1.0   | 84.8 | -43.1       | -18.2 | 46.9  | 203          | 0.0   | 1.0   | 0.875                  | 0.0   | 1.0   | 0.951       | 1.0  | 82.3  | -39.7     | -22.9     | 46.0      | 210   | 0.0   | 1.0   | 0.875       | <div></div> | <div></div> | <div></div> |
| 196.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0      | 217.0      | 0.0         | 1.0   | 1.0   | 87.0                  | -45.6 | -13.8  | 47.8        | 196.9 | 0.0   | 0.951                 | 1.0   | 82.3 | -39.7       | -22.9 | 46.0  | 210          | 0.0   | 1.0   | 1.0                    | 0.0   | 1.0   | 0.925       | 1.0  | 79.8  | -35.9     | -27.0     | 45.0      | 217   | 0.0   | 1.0   | 1.0         | <div></div> | <div></div> | <div></div> |
| 230.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5      | 223.8      | 0.0         | 0.875 | 1.0   | 75.1                  | -27.5 | -33.1  | 43.2        | 230.3 | 0.0   | 0.921                 | 1.0   | 79.5 | -35.3       | -27.5 | 44.9  | 218          | 0.0   | 0.875 | 1.0                    | 0.0   | 0.899 | 1.0         | 77.3 | -31.6 | -30.5     | 44.1      | 224       | 0.0   | 0.875 | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 254.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0      | 230.7      | 0.0         | 0.75  | 1.0   | 66.9                  | -13.2 | -46.5  | 48.5        | 254.1 | 0.0   | 0.895                 | 1.0   | 77.0 | -31.0       | -31.0 | 43.9  | 225          | 0.0   | 0.75  | 1.0                    | 0.0   | 0.871 | 1.0         | 74.8 | -27.2 | -33.6     | 43.4      | 231       | 0.0   | 0.75  | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5      | 237.5      | 0.0         | 0.625 | 1.0   | 59.9                  | 0.5   | -58.1  | 58.2        | 270.5 | 0.0   | 0.861                 | 1.0   | 74.1 | -26.3       | -34.9 | 43.8  | 233          | 0.0   | 0.625 | 1.0                    | 0.0   | 0.835 | 1.0         | 72.4 | -23.7 | -38.0     | 44.9      | 238       | 0.0   | 0.625 | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 281.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0      | 244.4      | 0.0         | 0.5   | 1.0   | 53.5                  | 14.5  | -68.7  | 70.3        | 281.9 | 0.0   | 0.824                 | 1.0   | 71.7 | -22.6       | -39.2 | 45.4  | 240          | 0.0   | 0.5   | 1.0                    | 0.0   | 0.803 | 1.0         | 70.4 | -20.2 | -41.5     | 46.3      | 244       | 0.0   | 0.5   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 290.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5      | 251.2      | 0.0         | 0.375 | 1.0   | 46.9                  | 30.2  | -79.6  | 85.2        | 290.8 | 0.0   | 0.782                 | 1.0   | 69.0 | -17.6       | -43.6 | 47.2  | 248          | 0.0   | 0.375 | 1.0                    | 0.0   | 0.766 | 1.0         | 67.9 | -15.5 | -45.1     | 47.8      | 251       | 0.0   | 0.375 | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 297.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0      | 258.0      | 0.0         | 0.25  | 1.0   | 40.4                  | 47.8  | -90.6  | 102.5       | 297.8 | 0.0   | 0.743                 | 1.0   | 66.5 | -12.6       | -47.3 | 49.1  | 255          | 0.0   | 0.25  | 1.0                    | 0.0   | 0.72  | 1.0         | 65.2 | -10.5 | -49.6     | 50.8      | 258       | 0.0   | 0.25  | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 303.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5      | 264.9      | 0.0         | 0.125 | 1.0   | 33.9                  | 66.6  | -101.4 | 121.4       | 303.3 | 0.0   | 0.682                 | 1.0   | 63.1 | -6.5        | -53.3 | 53.8  | 263          | 0.0   | 0.125 | 1.0                    | 0.0   | 0.667 | 1.0         | 62.2 | -4.7  | -54.6     | 54.9      | 265       | 0.0   | 0.125 | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 305.4                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0      | 271.7      | 0.0         | 0.0   | 1.0   | 31.0                  | 75.7  | -106.5 | 130.7       | 305.4 | 0.0   | 0.629                 | 1.0   | 60.1 | 0.0         | -57.8 | 57.9  | 270          | 0.0   | 0.0   | 1.0                    | 0.0   | 0.609 | 1.0         | 59.0 | 2.1   | -59.6     | 59.7      | 272       | 0.0   | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 306.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 277.5      | 278.8      | 0.125       | 0.0   | 1.0   | 31.9                  | 76.1  | -104.7 | 129.6       | 306.0 | 0.0   | 0.543                 | 1.0   | 55.7 | 9.2         | -65.4 | 66.1  | 278          | 0.125 | 0.0   | 1.0                    | 0.0   | 0.532 | 1.0         | 55.1 | 10.5  | -66.3     | 67.2      | 279       | 0.125 | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 307.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 285.0      | 286.0      | 0.25        | 0.0   | 1.0   | 34.2                  | 77.1  | -100.9 | 127.0       | 307.3 | 0.0   | 0.457                 | 1.0   | 51.2 | 19.5        | -72.8 | 75.5  | 285          | 0.25  | 0.0   | 1.0                    | 0.0   | 0.443 | 1.0         | 50.4 | 21.3  | -74.1     | 77.2      | 286       | 0.25  | 0.0   | 1.0   | <div></div> | <div></div> | <div></div> |             |
| 309.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 292.5      | 293.1      | 0.375       | 0.0   | 1.0   | 36.8                  | 78.3  | -96.3  | 124.2       | 309.1 | 0.0   | 0.336                 | 1.0   | 44.8 | 35.4        | -83.4 | 90.7  | 293          | 0.375 | 0.0   | 1.0                    | 0.0   | 0.336 | 1.0         | 44.8 | 35.4  | -83.4     | 90.7      |           |       |       |       |             |             |             |             |

| Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Buntonwinkel der Gerätefarben d: $h_{ab,d} = 42.9, 131.6, 196.9, 305.4, 326.7$ ; Sechs Buntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                            |                            |                            |                            |                            |                            |                            |                            |                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                            |                  |                  |                  |                  |                  |                  |                  |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                        | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ |                  |                  |                  |                  |                  |                  |                  |                  | $LAB^*_{d361Mix}(x=LabCh)$ |                            |                            |                            |                            |                            |                            |                            |                            | $rgb^*_{s361Mi}$ |                  |                  |                  |                  |                  |                  |                  |                  | $LAB^*_{s361Mix}(x=LabCh)$ |                  |                  |                  |                  |                  |                  |                  |                  |
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                        | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $LAB^*_{d361Mix}(x=LabCh)$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$           | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ | $rgb^*_{s361Mi}$ |                  |                  |
| 42                                                                                                                                                                                                                                                                                                                                                                                                                | 30         | 25         | 1.0              | 0.0              | 0.014            | 50.7             | 75.1             | 67.6             | 101.0            | 42               | $R_d$            | 1.0                        | 0.0                        | 0.164                      | 50.9                       | 76.8                       | 44.3                       | 88.6                       | 30                         | 1.0                        | 0.0              | 0.0              | $R_s$            | 1.0              | 0.0              | 0.208            | 51.1             | 77.4             | 36.1             | 85.4                       | 25               | 1.0              | 0.0              | 0.0              | $R_e$            | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ | $rgb^*_{d361Mi}$ |
| 43                                                                                                                                                                                                                                                                                                                                                                                                                | 31         | 27         | 1.0              | 0.004            | 0.0              | 50.7             | 74.7             | 69.6             | 102.1            | 43               |                  | 1.0                        | 0.0                        | 0.155                      | 50.9                       | 76.5                       | 46.0                       | 89.3                       | 31                         | 1.0                        | 0.017            | 0.0              |                  | 1.0              | 0.0              | 0.19             | 51.0             | 77.2             | 39.4             | 86.7                       | 27               | 1.0              | 0.017            | 0.0              |                  |                  |                  |                  |
| 44                                                                                                                                                                                                                                                                                                                                                                                                                | 32         | 28         | 1.0              | 0.063            | 0.0              | 51.4             | 72.6             | 70.1             | 101.0            | 44               |                  | 1.0                        | 0.0                        | 0.146                      | 50.9                       | 76.3                       | 47.7                       | 89.9                       | 32                         | 1.0                        | 0.033            | 0.0              |                  | 1.0              | 0.0              | 0.181            | 51.0             | 77.1             | 41.0             | 87.3                       | 28               | 1.0              | 0.033            | 0.0              |                  |                  |                  |                  |
| 45                                                                                                                                                                                                                                                                                                                                                                                                                | 33         | 29         | 1.0              | 0.121            | 0.0              | 52.1             | 70.6             | 70.6             | 99.9             | 45               |                  | 1.0                        | 0.0                        | 0.137                      | 50.9                       | 76.0                       | 49.3                       | 90.6                       | 33                         | 1.0                        | 0.05             | 0.0              |                  | 1.0              | 0.0              | 0.172            | 51.0             | 77.0             | 42.7             | 88.0                       | 29               | 1.0              | 0.05             | 0.0              |                  |                  |                  |                  |
| 46                                                                                                                                                                                                                                                                                                                                                                                                                | 34         | 30         | 1.0              | 0.146            | 0.0              | 52.8             | 68.7             | 71.1             | 98.9             | 46               |                  | 1.0                        | 0.0                        | 0.128                      | 50.8                       | 75.6                       | 51.0                       | 91.2                       | 34                         | 1.0                        | 0.067            | 0.0              |                  | 1.0              | 0.0              | 0.164            | 50.9             | 76.8             | 44.3             | 88.6                       | 30               | 1.0              | 0.067            | 0.0              |                  |                  |                  |                  |
| 47                                                                                                                                                                                                                                                                                                                                                                                                                | 35         | 31         | 1.0              | 0.168            | 0.0              | 53.5             | 66.8             | 71.6             | 97.9             | 47               |                  | 1.0                        | 0.0                        | 0.116                      | 50.8                       | 75.6                       | 52.9                       | 92.2                       | 35                         | 1.0                        | 0.083            | 0.0              |                  | 1.0              | 0.0              | 0.155            | 50.9             | 76.5             | 46.0             | 89.3                       | 31               | 1.0              | 0.083            | 0.0              |                  |                  |                  |                  |
| 48                                                                                                                                                                                                                                                                                                                                                                                                                | 36         | 32         | 1.0              | 0.19             | 0.0              | 54.1             | 64.9             | 72.1             | 97.0             | 48               |                  | 1.0                        | 0.0                        | 0.101                      | 50.8                       | 75.6                       | 55.0                       | 93.5                       | 36                         | 1.0                        | 0.1              | 0.0              |                  | 1.0              | 0.0              | 0.146            | 50.9             | 76.3             | 47.7             | 89.9                       | 32               | 1.0              | 0.1              | 0.0              |                  |                  |                  |                  |
| 49                                                                                                                                                                                                                                                                                                                                                                                                                | 37         | 33         | 1.0              | 0.212            | 0.0              | 54.8             | 63.0             | 72.5             | 96.0             | 49               |                  | 1.0                        | 0.0                        | 0.087                      | 50.8                       | 75.7                       | 57.0                       | 94.7                       | 37                         | 1.0                        | 0.117            | 0.0              |                  | 1.0              | 0.0              | 0.137            | 50.9             | 76.0             | 49.3             | 90.6                       | 33               | 1.0              | 0.117            | 0.0              |                  |                  |                  |                  |
| 50                                                                                                                                                                                                                                                                                                                                                                                                                | 38         | 34         | 1.0              | 0.235            | 0.0              | 55.5             | 61.1             | 72.8             | 95.1             | 50               |                  | 1.0                        | 0.0                        | 0.072                      | 50.8                       | 75.6                       | 59.1                       | 96.0                       | 38                         | 1.0                        | 0.135            | 0.0              |                  | 1.0              | 0.0              | 0.128            | 50.8             | 75.6             | 51.0             | 91.2                       | 34               | 1.0              | 0.133            | 0.0              |                  |                  |                  |                  |
| 51                                                                                                                                                                                                                                                                                                                                                                                                                | 39         | 36         | 1.0              | 0.256            | 0.0              | 56.1             | 59.3             | 73.2             | 94.2             | 51               |                  | 1.0                        | 0.0                        | 0.058                      | 50.8                       | 75.6                       | 61.2                       | 97.2                       | 39                         | 1.0                        | 0.15             | 0.0              |                  | 1.0              | 0.0              | 0.101            | 50.8             | 75.6             | 55.0             | 93.5                       | 36               | 1.0              | 0.15             | 0.0              |                  |                  |                  |                  |
| 52                                                                                                                                                                                                                                                                                                                                                                                                                | 40         | 37         | 1.0              | 0.274            | 0.0              | 56.7             | 57.6             | 73.8             | 93.6             | 52               |                  | 1.0                        | 0.0                        | 0.043                      | 50.7                       | 75.5                       | 63.3                       | 98.5                       | 40                         | 1.0                        | 0.167            | 0.0              |                  | 1.0              | 0.0              | 0.087            | 50.8             | 75.7             | 57.0             | 94.7                       | 37               | 1.0              | 0.167            | 0.0              |                  |                  |                  |                  |
| 53                                                                                                                                                                                                                                                                                                                                                                                                                | 41         | 38         | 1.0              | 0.292            | 0.0              | 57.3             | 56.0             | 74.3             | 93.0             | 53               |                  | 1.0                        | 0.0                        | 0.028                      | 50.7                       | 75.3                       | 65.4                       | 99.7                       | 41                         | 1.0                        | 0.183            | 0.0              |                  | 1.0              | 0.0              | 0.072            | 50.8             | 75.6             | 59.1             | 96.0                       | 38               | 1.0              | 0.183            | 0.0              |                  |                  |                  |                  |
| 54                                                                                                                                                                                                                                                                                                                                                                                                                | 42         | 39         | 1.0              | 0.31             | 0.0              | 58.0             | 54.3             | 74.7             | 92.4             | 54               |                  | 1.0                        | 0.0                        | 0.014                      | 50.7                       | 75.1                       | 67.6                       | 101.0                      | 42                         | 1.0                        | 0.2              | 0.0              |                  | 1.0              | 0.0              | 0.058            | 50.8             | 75.6             | 61.2             | 97.2                       | 39               | 1.0              | 0.2              | 0.0              |                  |                  |                  |                  |
| 55                                                                                                                                                                                                                                                                                                                                                                                                                | 43         | 40         | 1.0              | 0.328            | 0.0              | 58.6             | 52.6             | 75.2             | 91.7             | 55               |                  | 1.0                        | 0.004                      | 0.0                        | 50.7                       | 74.7                       | 69.6                       | 102.1                      | 43                         | 1.0                        | 0.217            | 0.0              |                  | 1.0              | 0.0              | 0.043            | 50.7             | 75.5             | 63.3             | 98.5                       | 40               | 1.0              | 0.217            | 0.0              |                  |                  |                  |                  |
| 56                                                                                                                                                                                                                                                                                                                                                                                                                | 44         | 41         | 1.0              | 0.346            | 0.0              | 59.2             | 51.0             | 75.5             | 91.1             | 56               |                  | 1.0                        | 0.063                      | 0.0                        | 51.4                       | 72.6                       | 70.1                       | 101.0                      | 44                         | 1.0                        | 0.233            | 0.0              |                  | 1.0              | 0.0              | 0.028            | 50.7             | 75.3             | 65.4             | 99.7                       | 41               | 1.0              | 0.233            | 0.0              |                  |                  |                  |                  |
| 57                                                                                                                                                                                                                                                                                                                                                                                                                | 45         | 42         | 1.0              | 0.364            | 0.0              | 59.8             | 49.3             | 75.9             | 90.5             | 57               |                  | 1.0                        | 0.121                      | 0.0                        | 52.1                       | 70.6                       | 70.6                       | 99.9                       | 45                         | 1.0                        | 0.25             | 0.0              |                  | 1.0              | 0.0              | 0.014            | 50.7             | 75.1             | 67.6             | 101.0                      | 42               | 1.0              | 0.25             | 0.0              |                  |                  |                  |                  |
| 58                                                                                                                                                                                                                                                                                                                                                                                                                | 46         | 43         | 1.0              | 0.381            | 0.0              | 60.4             | 47.7             | 76.3             | 90.0             | 58               |                  | 1.0                        | 0.146                      | 0.0                        | 52.8                       | 68.7                       | 71.1                       | 98.9                       | 46                         | 1.0                        | 0.267            | 0.0              |                  | 1.0              | 0.004            | 0.0              | 50.7             | 74.7             | 69.6             | 102.1                      | 43               | 1.0              | 0.267            | 0.0              |                  |                  |                  |                  |
| 59                                                                                                                                                                                                                                                                                                                                                                                                                | 47         | 44         | 1.0              | 0.397            | 0.0              | 61.0             | 46.2             | 76.9             | 89.7             | 59               |                  | 1.0                        | 0.168                      | 0.0                        | 53.5                       | 66.8                       | 71.6                       | 97.9                       | 47                         | 1.0                        | 0.283            | 0.0              |                  | 1.0              | 0.063            | 0.0              | 51.4             | 72.6             | 70.1             | 101.0                      | 44               | 1.0              | 0.283            | 0.0              |                  |                  |                  |                  |
| 60                                                                                                                                                                                                                                                                                                                                                                                                                | 48         | 46         | 1.0              | 0.412            | 0.0              | 61.6             | 44.7             | 77.4             | 89.4             | 60               |                  | 1.0                        | 0.19                       | 0.0                        | 54.1                       | 64.9                       | 72.1                       | 97.0                       | 48                         | 1.0                        | 0.3              | 0.0              |                  | 1.0              | 0.146            | 0.0              | 52.8             | 68.7             | 71.1             | 98.9                       | 46               | 1.0              | 0.3              | 0.0              |                  |                  |                  |                  |
| 61                                                                                                                                                                                                                                                                                                                                                                                                                | 49         | 47         | 1.0              | 0.428            | 0.0              | 62.2             | 43.2             | 77.9             | 89.1             | 61               |                  | 1.0                        | 0.212                      | 0.0                        | 54.8                       | 63.0                       | 72.5                       | 96.0                       | 49                         | 1.0                        | 0.317            | 0.0              |                  | 1.0              | 0.168            | 0.0              | 53.5             | 66.8             | 71.6             | 97.9                       | 47               | 1.0              | 0.317            | 0.0              |                  |                  |                  |                  |
| 62                                                                                                                                                                                                                                                                                                                                                                                                                | 50         | 48         | 1.0              | 0.444            | 0.0              | 62.8             | 41.7             | 78.4             | 88.8             | 62               |                  | 1.0                        | 0.235                      | 0.0                        | 55.5                       | 61.1                       | 72.8                       | 95.1                       | 50                         | 1.0                        | 0.333            | 0.0              |                  | 1.0              | 0.19             | 0.0              | 54.1             | 64.9             | 72.1             | 97.0                       | 48               | 1.0              | 0.333            | 0.0              |                  |                  |                  |                  |
| 63                                                                                                                                                                                                                                                                                                                                                                                                                | 51         | 49         | 1.0              | 0.459            | 0.0              | 63.4             | 40.2             | 78.8             | 88.5             | 63               |                  | 1.0                        | 0.256                      | 0.0                        | 56.1                       | 59.3                       | 73.2                       | 94.2                       | 51                         | 1.0                        | 0.35             | 0.0              |                  | 1.0              | 0.212            | 0.0              | 54.8             | 63.0             | 72.5             | 96.0                       | 49               | 1.0              | 0.35             | 0.0              |                  |                  |                  |                  |
| 64                                                                                                                                                                                                                                                                                                                                                                                                                | 52         | 50         | 1.0              | 0.475            | 0.0              | 64.0             | 38.6             | 79.2             | 88.2             | 64               |                  | 1.0                        | 0.274                      | 0.0                        | 56.7                       | 57.6                       | 73.8                       | 93.6                       | 52                         | 1.0                        | 0.367            | 0.0              |                  | 1.0              | 0.235            | 0.0              | 55.5             | 61.1             | 72.8             | 95.1                       | 50               | 1.0              | 0.367            | 0.0              |                  |                  |                  |                  |
| 65                                                                                                                                                                                                                                                                                                                                                                                                                | 53         | 51         | 1.0              | 0.491            | 0.0              | 64.6             | 37.1             | 79.6             | 87.8             | 65               |                  | 1.0                        | 0.292                      | 0.0                        | 57.3                       | 56.0                       | 74.3                       | 93.0                       | 53                         | 1.0                        | 0.383            | 0.0              |                  | 1.0              | 0.256            | 0.0              | 56.1             | 59.3             | 73.2             | 94.2                       | 51               | 1.0              | 0.383            | 0.0              |                  |                  |                  |                  |
| 66                                                                                                                                                                                                                                                                                                                                                                                                                | 54         | 52         | 1.0              | 0.506            | 0.0              | 65.2             | 35.6             | 80.1             | 87.6             | 66               |                  | 1.0                        | 0.31                       | 0.0                        | 58.0                       | 54.3                       | 74.7                       | 92.4                       | 54                         | 1.0                        | 0.4              | 0.0              |                  | 1.0              | 0.274            | 0.0              | 56.7             | 57.6             | 73.8             | 93.6                       | 52               | 1.0              | 0.4              | 0.0              |                  |                  |                  |                  |
| 67                                                                                                                                                                                                                                                                                                                                                                                                                | 55         | 53         | 1.0              | 0.521            | 0.0              | 65.8             | 34.2             | 80.6             | 87.6             | 67               |                  | 1.0                        | 0.328                      | 0.0                        | 58.6                       | 52.6                       | 75.2                       | 91.7                       | 55                         | 1.0                        | 0.417            | 0.0              |                  | 1.0              | 0.292            | 0.0              | 57.3             | 56.0             | 74.3             | 93.0                       | 53               | 1.0              | 0.417            | 0.0              |                  |                  |                  |                  |
| 68                                                                                                                                                                                                                                                                                                                                                                                                                | 56         | 54         | 1.0              | 0.537            | 0.0              | 66.4             | 32.8             | 81.2             | 87.6             | 68               |                  | 1.0                        | 0.346                      | 0.0                        | 59.2                       | 51.0                       | 75.5                       | 91.1                       | 56                         | 1.0                        | 0.433            | 0.0              |                  | 1.0              | 0.31             | 0.0              | 58.0             | 54.3             | 74.7             | 92.4                       | 54               | 1.0              | 0.433            | 0.0              |                  |                  |                  |                  |
| 69                                                                                                                                                                                                                                                                                                                                                                                                                | 57         | 56         | 1.0              | 0.552            | 0.0              | 67.0             | 31.4             | 81.7             | 87.5             | 69               |                  | 1.0                        | 0.364                      | 0.0                        | 59.8                       | 49.3                       | 75.9                       | 90.5                       | 57                         | 1.0                        | 0.45             | 0.0              |                  | 1.0              | 0.346            | 0.0              | 59.2             | 51.0             | 75.5             | 91.1                       | 56               | 1.0              | 0.45             | 0.0              |                  |                  |                  |                  |
| 70                                                                                                                                                                                                                                                                                                                                                                                                                | 58         | 57         | 1.0              | 0.567            | 0.0              | 67.6             | 29.9             | 82.2             | 87.5             | 70               |                  | 1.0                        | 0.381                      | 0.0                        | 60.4                       | 47.7                       | 76.3                       | 90.0                       | 58                         | 1.0                        | 0.467            | 0.0              |                  | 1.0              | 0.364            | 0.0              | 59.8             | 49.3             | 75.9             | 90.5                       | 57               | 1.0              | 0.467            | 0.0              |                  |                  |                  |                  |
| 71                                                                                                                                                                                                                                                                                                                                                                                                                | 59         | 58         | 1.0              | 0.582            | 0.0              | 68.2             | 28.5             | 82.7             | 87.4             | 71               |                  | 1.0                        | 0.397                      | 0.0                        | 61.0                       | 46.2                       | 76.9                       | 89.7                       | 59                         | 1.0                        | 0.483            | 0.0              |                  | 1.0              | 0.381            | 0.0              | 60.4             | 47.7             | 76.3             | 90.0                       | 58               | 1.0              | 0.483            | 0.0              |                  |                  |                  |                  |
| 72                                                                                                                                                                                                                                                                                                                                                                                                                | 60         | 59         | 1.0              | 0.597            | 0.0              | 68.9             | 27.0             | 83.1             | 87.4             | 72               |                  | 1.0                        | 0.412                      | 0.0                        | 61.6                       | 44.7                       | 77.4                       | 89.4                       | 60                         | 1.0                        | 0.5              | 0.0              |                  | 1.0              | 0.397            | 0.0              | 61.0             | 46.2             | 76.9             | 89.7                       | 59               | 1.0              | 0.5              | 0.0              |                  |                  |                  |                  |
| 73                                                                                                                                                                                                                                                                                                                                                                                                                | 61         | 60         | 1.0              | 0.613            | 0.0              | 69.5             | 25.5             | 83.5             | 87.3             | 73               |                  | 1.0                        | 0.428                      | 0.0                        | 62.2                       | 43.2                       | 77.9                       | 89.1                       | 61                         | 1.0                        | 0.517            | 0.0              |                  | 1.0              | 0.412            | 0.0              | 61.6             | 44.7             | 77.4             | 89.4                       | 60               | 1.0              | 0.517            | 0.0              |                  |                  |                  |                  |
| 74                                                                                                                                                                                                                                                                                                                                                                                                                | 62         | 61         | 1.0              | 0.628            | 0.0              | 70.1             | 24.1             | 84.0             | 87.3             | 74               |                  | 1.0                        | 0.444                      | 0.0                        | 62.8                       | 41.7                       | 78.4                       | 88.8                       | 62                         | 1.0                        | 0.533            | 0.0              |                  | 1.0              | 0.428            | 0.0              | 62.2             | 43.2             | 77.9             | 89.1                       | 61               | 1.0              | 0.533            | 0.0              |                  |                  |                  |                  |
| 75                                                                                                                                                                                                                                                                                                                                                                                                                | 63         | 62         | 1.0              | 0.642            | 0.0              | 70.7             | 22.7             | 84.6             | 87.6             | 75               |                  | 1.0                        | 0.459                      | 0.0                        | 63.4                       | 40.2                       | 78.8                       | 88.5                       | 63                         | 1.0                        | 0.55             | 0.0              |                  | 1.0              | 0.444            | 0.0              | 62.8             | 41.7             | 78.4             | 88.8                       | 62               | 1.0              | 0.55             | 0.0              |                  |                  |                  |                  |
| 76                                                                                                                                                                                                                                                                                                                                                                                                                | 64         | 63         | 1.0              | 0.656            | 0.0              | 71.4             | 21.3             | 85.3             | 87.9             | 76               |                  | 1.0                        | 0.475                      | 0.0                        | 64.0                       | 38.6                       | 79.2                       | 88.2                       | 64                         | 1.0                        | 0.567            | 0.0              |                  | 1.0              | 0.459            |                  |                  |                  |                  |                            |                  |                  |                  |                  |                  |                  |                  |                  |

Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ |    |    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |      |       |       |       | $LAB^*_{dd361Mix}(x=LabCh)$ |     |       |     |      | $rgb^*_{ds361Mi}$ |      |      |    |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |     |       |     | $rgb^*_{s50M}$ |      |      |      |    | $rgb^*_{de361Mi}$ |       |     |  |  | $LAB^*_{de361Mix}(x=LabCh)$ |  |  |  |  | $rgb^*_{e50M}$ |  |  |  |  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|----|----|------------|------------|-------------------|------|-------|-------|-------|-----------------------------|-----|-------|-----|------|-------------------|------|------|----|-----|-----------------------------|-----|-----|-------|-----|----------------|------|------|------|----|-------------------|-------|-----|--|--|-----------------------------|--|--|--|--|----------------|--|--|--|--|--------------|--------------|--------------|
| 87         | 75 | 76 | 1.0        | 0.812      | 0.0               | 79.1 | 4.8   | 92.4  | 92.5  | 87                          | 1.0 | 0.642 | 0.0 | 70.7 | 22.7              | 84.6 | 87.6 | 75 | 1.0 | 0.75                        | 0.0 | 1.0 | 0.656 | 0.0 | 71.4           | 21.3 | 85.3 | 87.9 | 76 | 1.0               | 0.75  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 88         | 76 | 77 | 1.0        | 0.826      | 0.0               | 79.8 | 3.3   | 93.1  | 93.2  | 88                          | 1.0 | 0.656 | 0.0 | 71.4 | 21.3              | 85.3 | 87.9 | 76 | 1.0 | 0.767                       | 0.0 | 1.0 | 0.67  | 0.0 | 72.0           | 19.8 | 85.9 | 88.2 | 77 | 1.0               | 0.767 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 89         | 77 | 78 | 1.0        | 0.84       | 0.0               | 80.6 | 1.6   | 93.8  | 93.9  | 89                          | 1.0 | 0.67  | 0.0 | 72.0 | 19.8              | 85.9 | 88.2 | 77 | 1.0 | 0.783                       | 0.0 | 1.0 | 0.685 | 0.0 | 72.7           | 18.4 | 86.5 | 88.4 | 78 | 1.0               | 0.783 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 90         | 78 | 79 | 1.0        | 0.854      | 0.0               | 81.4 | 0.0   | 94.5  | 94.5  | 90                          | 1.0 | 0.685 | 0.0 | 72.7 | 18.4              | 86.5 | 88.4 | 78 | 1.0 | 0.8                         | 0.0 | 1.0 | 0.699 | 0.0 | 73.3           | 16.9 | 87.1 | 88.7 | 79 | 1.0               | 0.8   | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 91         | 79 | 80 | 1.0        | 0.868      | 0.0               | 82.2 | -1.6  | 95.1  | 95.2  | 91                          | 1.0 | 0.699 | 0.0 | 73.3 | 16.9              | 87.1 | 88.7 | 79 | 1.0 | 0.817                       | 0.0 | 1.0 | 0.713 | 0.0 | 74.0           | 15.4 | 87.6 | 89.0 | 80 | 1.0               | 0.817 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 92         | 80 | 81 | 1.0        | 0.881      | 0.0               | 83.1 | -3.3  | 96.0  | 96.1  | 92                          | 1.0 | 0.713 | 0.0 | 74.0 | 15.4              | 87.6 | 89.0 | 80 | 1.0 | 0.833                       | 0.0 | 1.0 | 0.727 | 0.0 | 74.6           | 14.0 | 88.1 | 89.2 | 81 | 1.0               | 0.833 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 93         | 81 | 82 | 1.0        | 0.894      | 0.0               | 84.1 | -5.0  | 97.2  | 97.3  | 93                          | 1.0 | 0.727 | 0.0 | 74.6 | 14.0              | 88.1 | 89.2 | 81 | 1.0 | 0.85                        | 0.0 | 1.0 | 0.742 | 0.0 | 75.3           | 12.5 | 88.6 | 89.5 | 82 | 1.0               | 0.85  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 94         | 82 | 83 | 1.0        | 0.906      | 0.0               | 85.1 | -6.8  | 98.3  | 98.6  | 94                          | 1.0 | 0.742 | 0.0 | 75.3 | 12.5              | 88.6 | 89.5 | 82 | 1.0 | 0.867                       | 0.0 | 1.0 | 0.756 | 0.0 | 76.0           | 11.0 | 89.3 | 89.9 | 83 | 1.0               | 0.867 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 95         | 83 | 85 | 1.0        | 0.919      | 0.0               | 86.2 | -8.6  | 99.4  | 99.8  | 95                          | 1.0 | 0.756 | 0.0 | 76.0 | 11.0              | 89.3 | 89.9 | 83 | 1.0 | 0.883                       | 0.0 | 1.0 | 0.784 | 0.0 | 77.5           | 8.0  | 90.9 | 91.2 | 85 | 1.0               | 0.883 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 96         | 84 | 86 | 1.0        | 0.931      | 0.0               | 87.2 | -10.5 | 100.5 | 101.0 | 96                          | 1.0 | 0.77  | 0.0 | 76.8 | 9.5               | 90.1 | 90.6 | 84 | 1.0 | 0.9                         | 0.0 | 1.0 | 0.798 | 0.0 | 78.3           | 6.4  | 91.7 | 91.9 | 86 | 1.0               | 0.9   | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 97         | 85 | 87 | 1.0        | 0.944      | 0.0               | 88.2 | -12.4 | 101.5 | 102.3 | 97                          | 1.0 | 0.784 | 0.0 | 77.5 | 8.0               | 90.9 | 91.2 | 85 | 1.0 | 0.917                       | 0.0 | 1.0 | 0.812 | 0.0 | 79.1           | 4.8  | 92.4 | 92.5 | 87 | 1.0               | 0.917 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 98         | 86 | 88 | 1.0        | 0.956      | 0.0               | 89.3 | -14.3 | 102.5 | 103.5 | 98                          | 1.0 | 0.798 | 0.0 | 78.3 | 6.4               | 91.7 | 91.9 | 86 | 1.0 | 0.933                       | 0.0 | 1.0 | 0.826 | 0.0 | 79.8           | 3.3  | 93.1 | 93.2 | 88 | 1.0               | 0.933 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 99         | 87 | 89 | 1.0        | 0.969      | 0.0               | 90.3 | -16.3 | 103.5 | 104.8 | 99                          | 1.0 | 0.812 | 0.0 | 79.1 | 4.8               | 92.4 | 92.5 | 87 | 1.0 | 0.95                        | 0.0 | 1.0 | 0.84  | 0.0 | 80.6           | 1.6  | 93.8 | 93.9 | 89 | 1.0               | 0.95  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 10         |    |    |            |            |                   |      |       |       |       |                             |     |       |     |      |                   |      |      |    |     |                             |     |     |       |     |                |      |      |      |    |                   |       |     |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |

Daten der Maximalfarbe M im Farbmatrik-Sytem LED-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $a_{ab,d}$ | $a_{ab,s}$ | $a_{ab,e}$ | $rgb^*_{dd}361Mi$ |     |       |      |       |      |       | $LAB^*_{ds}361Mix(x=LabCh)$ |       |     |     |      |       |      | $rgb^*_s50M$ |     |       |     |     |       |     | $rgb^*_{de}361Mi$ |      |       |      |       |     |       | $LAB^*_{de}361Mix(x=LabCh)$ |     |  |  |  |  |  | $rgb^*_{e50M}$ |  |  |  |  |  |  | $rgb^*_{dd}$ |  |  | $rgb^*_{ds}$ |  |  | $rgb^*_{de}$ |  |  |
|------------|------------|------------|-------------------|-----|-------|------|-------|------|-------|-----------------------------|-------|-----|-----|------|-------|------|--------------|-----|-------|-----|-----|-------|-----|-------------------|------|-------|------|-------|-----|-------|-----------------------------|-----|--|--|--|--|--|----------------|--|--|--|--|--|--|--------------|--|--|--------------|--|--|--------------|--|--|
| 132        | 120        | 127        | 0.0               | 1.0 | 0.023 | 84.0 | -82.2 | 91.4 | 123.0 | 132                         | 0.619 | 1.0 | 0.0 | 87.1 | -56.0 | 97.2 | 112.2        | 120 | 0.5   | 1.0 | 0.0 | 0.355 | 1.0 | 0.0               | 85.3 | -71.1 | 94.5 | 118.4 | 127 | 0.5   | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 133        | 121        | 128        | 0.0               | 1.0 | 0.08  | 84.0 | -81.7 | 87.7 | 120.0 | 133                         | 0.585 | 1.0 | 0.0 | 86.8 | -58.1 | 96.8 | 112.9        | 121 | 0.483 | 1.0 | 0.0 | 0.301 | 1.0 | 0.0               | 85.0 | -73.5 | 94.2 | 119.5 | 128 | 0.483 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 134        | 122        | 130        | 0.0               | 1.0 | 0.131 | 84.1 | -81.2 | 84.1 | 117.0 | 134                         | 0.551 | 1.0 | 0.0 | 86.6 | -60.1 | 96.4 | 113.7        | 122 | 0.467 | 1.0 | 0.0 | 0.182 | 1.0 | 0.0               | 84.4 | -78.3 | 93.4 | 122.0 | 130 | 0.467 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 135        | 123        | 131        | 0.0               | 1.0 | 0.158 | 84.1 | -80.6 | 80.7 | 114.2 | 135                         | 0.517 | 1.0 | 0.0 | 86.3 | -62.2 | 96.0 | 114.4        | 123 | 0.45  | 1.0 | 0.0 | 0.102 | 1.0 | 0.0               | 84.2 | -80.8 | 93.1 | 123.3 | 131 | 0.45  | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 136        | 124        | 132        | 0.0               | 1.0 | 0.185 | 84.2 | -80.0 | 77.4 | 111.4 | 136                         | 0.481 | 1.0 | 0.0 | 86.0 | -64.4 | 95.6 | 115.3        | 124 | 0.433 | 1.0 | 0.0 | 0.0   | 1.0 | 0.023             | 84.0 | -82.2 | 91.4 | 123.0 | 132 | 0.433 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 137        | 125        | 133        | 0.0               | 1.0 | 0.212 | 84.2 | -79.3 | 74.1 | 108.6 | 137                         | 0.44  | 1.0 | 0.0 | 85.8 | -66.6 | 95.3 | 116.3        | 125 | 0.417 | 1.0 | 0.0 | 0.0   | 1.0 | 0.08              | 84.0 | -81.7 | 87.7 | 120.0 | 133 | 0.417 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 138        | 126        | 134        | 0.0               | 1.0 | 0.24  | 84.2 | -78.6 | 70.8 | 105.8 | 138                         | 0.4   | 1.0 | 0.0 | 85.5 | -68.9 | 94.9 | 117.3        | 126 | 0.4   | 1.0 | 0.0 | 0.0   | 1.0 | 0.131             | 84.1 | -81.2 | 84.1 | 117.0 | 134 | 0.4   | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 139        | 127        | 135        | 0.0               | 1.0 | 0.267 | 84.3 | -77.9 | 67.8 | 103.4 | 139                         | 0.355 | 1.0 | 0.0 | 85.3 | -71.1 | 94.5 | 118.4        | 127 | 0.383 | 1.0 | 0.0 | 0.0   | 1.0 | 0.158             | 84.1 | -80.6 | 80.7 | 114.2 | 135 | 0.383 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 140        | 128        | 137        | 0.0               | 1.0 | 0.294 | 84.3 | -77.3 | 65.0 | 101.1 | 140                         | 0.301 | 1.0 | 0.0 | 85.0 | -73.5 | 94.2 | 119.5        | 128 | 0.367 | 1.0 | 0.0 | 0.0   | 1.0 | 0.212             | 84.2 | -79.3 | 74.1 | 108.6 | 137 | 0.367 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 141        | 129        | 138        | 0.0               | 1.0 | 0.321 | 84.4 | -76.6 | 62.1 | 98.8  | 141                         | 0.247 | 1.0 | 0.0 | 84.7 | -75.9 | 93.8 | 120.7        | 129 | 0.35  | 1.0 | 0.0 | 0.0   | 1.0 | 0.24              | 84.2 | -78.6 | 70.8 | 105.8 | 138 | 0.35  | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 142        | 130        | 139        | 0.0               | 1.0 | 0.348 | 84.4 | -75.9 | 59.4 | 96.4  | 142                         | 0.182 | 1.0 | 0.0 | 84.4 | -78.3 | 93.4 | 122.0        | 130 | 0.333 | 1.0 | 0.0 | 0.0   | 1.0 | 0.267             | 84.3 | -77.9 | 67.8 | 103.4 | 139 | 0.333 | 1.0                         | 0.0 |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |
| 143        | 131        | 140        | 0.0               | 1.0 | 0.375 | 84.5 | -75.1 | 56.7 | 94.1  | 143                         | 0.10  |     |     |      |       |      |              |     |       |     |     |       |     |                   |      |       |      |       |     |       |                             |     |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |              |  |  |              |  |  |

| Daten der Maximalfarbe M im Farbmetriks-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.9, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-------|------|-------|-------|-----------------------------|-------------------|-----|-------|-------|------|-------------------|-------|------|-----|-----|-----|-----------------------------|-----|-------|-------|------|-------|----------------|------|-----|-----|-----|-------|--------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                            | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |       |      |       |       | $LAB^*_{dd361Mix}(x=LabCh)$ |                   |     |       |       |      | $rgb^*_{ds361Mi}$ |       |      |     |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       |       |      |       | $rgb^*_{s50M}$ |      |     |     |     |       |              |              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                       |            |            |                   |       |       |      |       |       |                             |                   |     |       |       |      |                   |       |      |     |     |     |                             |     |       |       |      |       |                |      |     |     |     |       |              |              |              |
| 177                                                                                                                                                                                                                                                                                                                                                                                                                   | 165        | 176        | 0.0               | 1.0   | 0.907 | 86.1 | -55.7 | 2.9   | 55.8                        | 177               | 0.0 | 1.0   | 0.808 | 85.5 | -60.9             | 16.3  | 63.1 | 165 | 0.0 | 1.0 | 0.25                        | 0.0 | 1.0   | 0.903 | 86.0 | -56.0 | 3.9            | 56.2 | 176 | 0.0 | 1.0 | 0.25  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 178                                                                                                                                                                                                                                                                                                                                                                                                                   | 166        | 177        | 0.0               | 1.0   | 0.912 | 86.1 | -55.3 | 1.9   | 55.4                        | 178               | 0.0 | 1.0   | 0.821 | 85.6 | -60.3             | 15.1  | 62.3 | 166 | 0.0 | 1.0 | 0.267                       | 0.0 | 1.0   | 0.907 | 86.1 | -55.7 | 2.9            | 55.8 | 177 | 0.0 | 1.0 | 0.267 |              |              |              |
| 179                                                                                                                                                                                                                                                                                                                                                                                                                   | 167        | 178        | 0.0               | 1.0   | 0.917 | 86.2 | -54.9 | 1.0   | 55.0                        | 179               | 0.0 | 1.0   | 0.834 | 85.6 | -59.7             | 13.8  | 61.4 | 167 | 0.0 | 1.0 | 0.283                       | 0.0 | 1.0   | 0.912 | 86.1 | -55.3 | 1.9            | 55.4 | 178 | 0.0 | 1.0 | 0.283 |              |              |              |
| 180                                                                                                                                                                                                                                                                                                                                                                                                                   | 168        | 179        | 0.0               | 1.0   | 0.921 | 86.2 | -54.5 | 0.0   | 54.6                        | 180               | 0.0 | 1.0   | 0.847 | 85.7 | -59.1             | 12.6  | 60.5 | 168 | 0.0 | 1.0 | 0.3                         | 0.0 | 1.0   | 0.917 | 86.2 | -54.9 | 1.0            | 55.0 | 179 | 0.0 | 1.0 | 0.3   |              |              |              |
| 181                                                                                                                                                                                                                                                                                                                                                                                                                   | 169        | 180        | 0.0               | 1.0   | 0.926 | 86.3 | -54.1 | -0.8  | 54.2                        | 181               | 0.0 | 1.0   | 0.86  | 85.7 | -58.4             | 11.4  | 59.6 | 169 | 0.0 | 1.0 | 0.317                       | 0.0 | 1.0   | 0.921 | 86.2 | -54.5 | 0.0            | 54.6 | 180 | 0.0 | 1.0 | 0.317 |              |              |              |
| 182                                                                                                                                                                                                                                                                                                                                                                                                                   | 170        | 180        | 0.0               | 1.0   | 0.931 | 86.3 | -53.7 | -1.8  | 53.8                        | 182               | 0.0 | 1.0   | 0.874 | 85.8 | -57.7             | 10.2  | 58.7 | 170 | 0.0 | 1.0 | 0.333                       | 0.0 | 1.0   | 0.921 | 86.2 | -54.5 | 0.0            | 54.6 | 180 | 0.0 | 1.0 | 0.333 |              |              |              |
| 183                                                                                                                                                                                                                                                                                                                                                                                                                   | 171        | 181        | 0.0               | 1.0   | 0.935 | 86.4 | -53.2 | -2.7  | 53.4                        | 183               | 0.0 | 1.0   | 0.879 | 85.8 | -57.5             | 9.1   | 58.3 | 171 | 0.0 | 1.0 | 0.35                        | 0.0 | 1.0   | 0.926 | 86.3 | -54.1 | -0.8           | 54.2 | 181 | 0.0 | 1.0 | 0.35  |              |              |              |
| 184                                                                                                                                                                                                                                                                                                                                                                                                                   | 172        | 182        | 0.0               | 1.0   | 0.94  | 86.4 | -52.8 | -3.6  | 53.0                        | 184               | 0.0 | 1.0   | 0.884 | 85.9 | -57.2             | 8.1   | 57.9 | 172 | 0.0 | 1.0 | 0.367                       | 0.0 | 1.0   | 0.931 | 86.3 | -53.7 | -1.8           | 53.8 | 182 | 0.0 | 1.0 | 0.367 |              |              |              |
| 185                                                                                                                                                                                                                                                                                                                                                                                                                   | 173        | 183        | 0.0               | 1.0   | 0.945 | 86.5 | -52.3 | -4.5  | 52.6                        | 185               | 0.0 | 1.0   | 0.888 | 85.9 | -56.9             | 7.0   | 57.5 | 173 | 0.0 | 1.0 | 0.383                       | 0.0 | 1.0   | 0.935 | 86.4 | -53.2 | -2.7           | 53.4 | 183 | 0.0 | 1.0 | 0.383 |              |              |              |
| 186                                                                                                                                                                                                                                                                                                                                                                                                                   | 174        | 184        | 0.0               | 1.0   | 0.949 | 86.5 | -51.8 | -5.4  | 52.2                        | 186               | 0.0 | 1.0   | 0.893 | 86.0 | -56.6             | 6.0   | 57.1 | 174 | 0.0 | 1.0 | 0.4                         | 0.0 | 1.0   | 0.94  | 86.4 | -52.8 | -3.6           | 53.0 | 184 | 0.0 | 1.0 | 0.4   |              |              |              |
| 187                                                                                                                                                                                                                                                                                                                                                                                                                   | 175        | 185        | 0.0               | 1.0   | 0.954 | 86.6 | -51.3 | -6.2  | 51.8                        | 187               | 0.0 | 1.0   | 0.898 | 86.0 | -56.3             | 4.9   | 56.6 | 175 | 0.0 | 1.0 | 0.417                       | 0.0 | 1.0   | 0.945 | 86.5 | -52.3 | -4.5           | 52.6 | 185 | 0.0 | 1.0 | 0.417 |              |              |              |
| 188                                                                                                                                                                                                                                                                                                                                                                                                                   | 176        | 186        | 0.0               | 1.0   | 0.959 | 86.6 | -50.8 | -7.0  | 51.4                        | 188               | 0.0 | 1.0   | 0.903 | 86.0 | -56.0             | 3.9   | 56.2 | 176 | 0.0 | 1.0 | 0.433                       | 0.0 | 1.0   | 0.949 | 86.5 | -51.8 | -5.4           | 52.2 | 186 | 0.0 | 1.0 | 0.433 |              |              |              |
| 189                                                                                                                                                                                                                                                                                                                                                                                                                   | 177        | 187        | 0.0               | 1.0   | 0.963 | 86.7 | -50.2 | -7.9  | 51.0                        | 189               | 0.0 | 1.0   | 0.907 | 86.1 | -55.7             | 2.9   | 55.8 | 177 | 0.0 | 1.0 | 0.45                        | 0.0 | 1.0   | 0.954 | 86.6 | -51.3 | -6.2           | 51.8 | 187 | 0.0 | 1.0 | 0.45  |              |              |              |
| 190                                                                                                                                                                                                                                                                                                                                                                                                                   | 178        | 188        | 0.0               | 1.0   | 0.968 | 86.7 | -49.7 | -8.7  | 50.6                        | 190               | 0.0 | 1.0   | 0.912 | 86.1 | -55.3             | 1.9   | 55.4 | 178 | 0.0 | 1.0 | 0.467                       | 0.0 | 1.0   | 0.959 | 86.6 | -50.8 | -7.0           | 51.4 | 188 | 0.0 | 1.0 | 0.467 |              |              |              |
| 191                                                                                                                                                                                                                                                                                                                                                                                                                   | 179        | 189        | 0.0               | 1.0   | 0.973 | 86.8 | -49.1 | -9.5  | 50.2                        | 191               | 0.0 | 1.0   | 0.917 | 86.2 | -54.9             | 1.0   | 55.0 | 179 | 0.0 | 1.0 | 0.483                       | 0.0 | 1.0   | 0.963 | 86.7 | -50.2 | -7.9           | 51.0 | 189 | 0.0 | 1.0 | 0.483 |              |              |              |
| 192                                                                                                                                                                                                                                                                                                                                                                                                                   | 180        | 190        | 0.0               | 1.0   | 0.977 | 86.8 | -48.6 | -10.2 | 49.7                        | 192               | 0.0 | 1.0   | 0.921 | 86.2 | -54.5             | 0.0   | 54.6 | 180 | 0.0 | 1.0 | 0.5                         | 0.0 | 1.0   | 0.968 | 86.7 | -49.7 | -8.7           | 50.6 | 190 | 0.0 | 1.0 | 0.5   |              |              |              |
| 193                                                                                                                                                                                                                                                                                                                                                                                                                   | 181        | 191        | 0.0               | 1.0   | 0.982 | 86.9 | -48.0 | -11.0 | 49.3                        | 193               | 0.0 | 1.0   | 0.926 | 86.3 | -54.1             | -0.8  | 54.2 | 181 | 0.0 | 1.0 | 0.517                       | 0.0 | 1.0   | 0.973 | 86.8 | -49.1 | -9.5           | 50.2 | 191 | 0.0 | 1.0 | 0.517 |              |              |              |
| 194                                                                                                                                                                                                                                                                                                                                                                                                                   | 182        | 191        | 0.0               | 1.0   | 0.987 | 86.9 | -47.4 | -11.7 | 48.9                        | 194               | 0.0 | 1.0   | 0.931 | 86.3 | -53.7             | -1.8  | 53.8 | 182 | 0.0 | 1.0 | 0.533                       | 0.0 | 1.0   | 0.973 | 86.8 | -49.1 | -9.5           | 50.2 | 191 | 0.0 | 1.0 | 0.533 |              |              |              |
| 195                                                                                                                                                                                                                                                                                                                                                                                                                   | 183        | 192        | 0.0               | 1.0   | 0.991 | 87.0 | -46.8 | -12.5 | 48.5                        | 195               | 0.0 | 1.0   | 0.935 | 86.4 | -53.2             | -2.7  | 53.4 | 183 | 0.0 | 1.0 | 0.55                        | 0.0 | 1.0   | 0.977 | 86.8 | -48.6 | -10.2          | 49.7 | 192 | 0.0 | 1.0 | 0.55  |              |              |              |
| 196                                                                                                                                                                                                                                                                                                                                                                                                                   | 184        | 193        | 0.0               | 1.0   | 0.996 | 87.0 | -46.2 | -13.2 | 48.1                        | 196C <sub>d</sub> | 0.0 | 1.0   | 0.94  | 86.4 | -52.8             | -3.6  | 53.0 | 184 | 0.0 | 1.0 | 0.567                       | 0.0 | 1.0   | 0.982 | 86.9 | -48.0 | -11.0          | 49.3 | 193 | 0.0 | 1.0 | 0.567 |              |              |              |
| 197                                                                                                                                                                                                                                                                                                                                                                                                                   | 185        | 194        | 0.0               | 0.999 | 1.0   | 87.0 | -45.6 | -13.9 | 47.8                        | 197               | 0.0 | 1.0   | 0.945 | 86.5 | -52.3             | -4.5  | 52.6 | 185 | 0.0 | 1.0 | 0.583                       | 0.0 | 1.0   | 0.987 | 86.9 | -47.4 | -11.7          | 48.9 | 194 | 0.0 | 1.0 | 0.583 |              |              |              |
| 198                                                                                                                                                                                                                                                                                                                                                                                                                   | 186        | 195        | 0.0               | 0.996 | 1.0   | 86.6 | -45.2 | -14.6 | 47.6                        | 198               | 0.0 | 1.0   | 0.949 | 86.5 | -51.8             | -5.4  | 52.2 | 186 | 0.0 | 1.0 | 0.6                         | 0.0 | 1.0   | 0.991 | 87.0 | -46.8 | -12.5          | 48.5 | 195 | 0.0 | 1.0 | 0.6   |              |              |              |
| 199                                                                                                                                                                                                                                                                                                                                                                                                                   | 187        | 196        | 0.0               | 0.992 | 1.0   | 86.3 | -44.8 | -15.4 | 47.5                        | 199               | 0.0 | 1.0   | 0.954 | 86.6 | -51.3             | -6.2  | 51.8 | 187 | 0.0 | 1.0 | 0.617                       | 0.0 | 1.0   | 0.996 | 87.0 | -46.2 | -13.2          | 48.1 | 196 | 0.0 | 1.0 | 0.617 |              |              |              |
| 200                                                                                                                                                                                                                                                                                                                                                                                                                   | 188        | 197        | 0.0               | 0.988 | 1.0   | 85.9 | -44.4 | -16.1 | 47.3                        | 200               | 0.0 | 1.0   | 0.959 | 86.6 | -50.8             | -7.0  | 51.4 | 188 | 0.0 | 1.0 | 0.633                       | 0.0 | 0.999 | 1.0   | 87.0 | -45.6 | -13.9          | 47.8 | 197 | 0.0 | 1.0 | 0.633 |              |              |              |
| 201                                                                                                                                                                                                                                                                                                                                                                                                                   | 189        | 198        | 0.0               | 0.985 | 1.0   | 85.6 | -44.0 | -16.8 | 47.2                        | 201               | 0.0 | 1.0   | 0.963 | 86.7 | -50.2             | -7.9  | 51.0 | 189 | 0.0 | 1.0 | 0.65                        | 0.0 | 0.996 | 1.0   | 86.6 | -45.2 | -14.6          | 47.6 | 198 | 0.0 | 1.0 | 0.65  |              |              |              |
| 202                                                                                                                                                                                                                                                                                                                                                                                                                   | 190        | 199        | 0.0               | 0.981 | 1.0   | 85.2 | -43.5 | -17.5 | 47.1                        | 202               | 0.0 | 1.0   | 0.968 | 86.7 | -49.7             | -8.7  | 50.6 | 190 | 0.0 | 1.0 | 0.667                       | 0.0 | 0.992 | 1.0   | 86.3 | -44.8 | -15.4          | 47.5 | 199 | 0.0 | 1.0 | 0.667 |              |              |              |
| 203                                                                                                                                                                                                                                                                                                                                                                                                                   | 191        | 200        | 0.0               | 0.977 | 1.0   | 84.8 | -43.1 | -18.2 | 46.9                        | 203               | 0.0 | 1.0   | 0.973 | 86.8 | -49.1             | -9.5  | 50.2 | 191 | 0.0 | 1.0 | 0.683                       | 0.0 | 0.988 | 1.0   | 85.9 | -44.4 | -16.1          | 47.3 | 200 | 0.0 | 1.0 | 0.683 |              |              |              |
| 204                                                                                                                                                                                                                                                                                                                                                                                                                   | 192        | 201        | 0.0               | 0.973 | 1.0   | 84.5 | -42.7 | -18.9 | 46.8                        | 204               | 0.0 | 1.0   | 0.977 | 86.8 | -48.6             | -10.2 | 49.7 | 192 | 0.0 | 1.0 | 0.7                         | 0.0 | 0.985 | 1.0   | 85.6 | -44.0 | -16.8          | 47.2 | 201 | 0.0 | 1.0 | 0.7   |              |              |              |
| 205                                                                                                                                                                                                                                                                                                                                                                                                                   | 193        | 201        | 0.0               | 0.97  | 1.0   | 84.1 | -42.2 | -19.6 | 46.7                        | 205               | 0.0 | 1.0   | 0.982 | 86.9 | -48.0             | -11.0 | 49.3 | 193 | 0.0 | 1.0 | 0.717                       | 0.0 | 0.985 | 1.0   | 85.6 | -44.0 | -16.8          | 47.2 | 201 | 0.0 | 1.0 | 0.717 |              |              |              |
| 206                                                                                                                                                                                                                                                                                                                                                                                                                   | 194        | 202        | 0.0               | 0.966 | 1.0   | 83.8 | -41.7 | -20.3 | 46.5                        | 206               | 0.0 | 1.0   | 0.987 | 86.9 | -47.4             | -11.7 | 48.9 | 194 | 0.0 | 1.0 | 0.733                       | 0.0 | 0.981 | 1.0   | 85.2 | -43.5 | -17.5          | 47.1 | 202 | 0.0 | 1.0 | 0.733 |              |              |              |
| 207                                                                                                                                                                                                                                                                                                                                                                                                                   | 195        | 203        | 0.0               | 0.962 | 1.0   | 83.4 | -41.2 | -21.0 | 46.4                        | 207               | 0.0 | 1.0   | 0.991 | 87.0 | -46.8             | -12.5 | 48.5 | 195 | 0.0 | 1.0 | 0.75                        | 0.0 | 0.977 | 1.0   | 84.8 | -43.1 | -18.2          | 46.9 | 203 | 0.0 | 1.0 | 0.75  |              |              |              |
| 208                                                                                                                                                                                                                                                                                                                                                                                                                   | 196        | 204        | 0.0               | 0.958 | 1.0   | 83.1 | -40.7 | -21.6 | 46.3                        | 208               | 0.0 | 1.0   | 0.996 | 87.0 | -46.2             | -13.2 | 48.1 | 196 | 0.0 | 1.0 | 0.767                       | 0.0 | 0.973 | 1.0   | 84.5 | -42.7 | -18.9          | 46.8 | 204 | 0.0 | 1.0 | 0.767 |              |              |              |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                   | 197        | 205        | 0.0               | 0.955 | 1.0   | 82.7 | -40.2 | -22.3 | 46.1                        | 209               | 0.0 | 0.999 | 1.0   | 87.0 | -45.6             | -13.9 | 47.8 | 197 | 0.0 | 1.0 | 0.783                       | 0.0 | 0.97  | 1.0   | 84.1 | -42.2 | -19.6          | 46.7 | 205 | 0.0 | 1.0 | 0.783 |              |              |              |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                   | 198        | 206        | 0.0               | 0.951 | 1.0   | 82.3 | -39.7 | -22.9 | 46.0                        | 210               | 0.0 | 0.996 | 1.0   | 86.6 | -45.2             | -14.6 | 47.6 | 198 | 0.0 | 1.0 | 0.8                         | 0.0 | 0.966 | 1.0   | 83.8 | -41.7 | -20.3          | 46.5 | 206 | 0.0 | 1.0 | 0.8   |              |              |              |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                   | 199        | 207        | 0.0               | 0.947 | 1.0   | 82.0 | -39.2 | -23.5 | 45.8                        | 211               | 0.0 | 0.992 | 1.0   | 86.3 | -44.8             | -15.4 | 47.5 | 199 | 0.0 | 1.0 | 0.817                       | 0.0 | 0.962 | 1.0   | 83.4 | -41.2 | -21.0          | 46.4 | 207 | 0.0 | 1.0 | 0.817 |              |              |              |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                   | 200        | 208        | 0.0               | 0.943 | 1.0   | 81.6 | -38.7 | -24.1 | 45.7                        | 212               | 0.0 | 0.988 | 1.0   | 85.9 | -44.4             | -16.1 | 47.3 | 200 | 0.0 | 1.0 | 0.833                       | 0.0 | 0.958 | 1.0   | 83.1 | -40.7 | -21.6          | 46.3 | 208 | 0.0 | 1.0 | 0.833 |              |              |              |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                   | 201        | 209        | 0.0               | 0.94  | 1.0   | 81.3 | -38.1 | -24.7 | 45.6                        | 213               | 0.0 | 0.985 | 1.0   | 85.6 | -44.0             | -16.8 | 47.2 | 201 | 0.0 | 1.0 | 0.85                        | 0.0 | 0.955 | 1.0   | 82.7 | -40.2 | -22.3          | 46.1 | 209 | 0.0 | 1.0 | 0.85  |              |              |              |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                   | 202        | 210        | 0.0               | 0.936 | 1.0   | 80.9 | -37.6 | -25.3 | 45.4                        | 214               | 0.0 | 0.981 | 1.0   | 85.2 | -43.5             | -17.5 | 47.1 | 202 | 0.0 | 1.0 | 0.867                       | 0.0 | 0.951 | 1.0   | 82.3 | -39.7 | -22.9          | 46   |     |     |     |       |              |              |              |

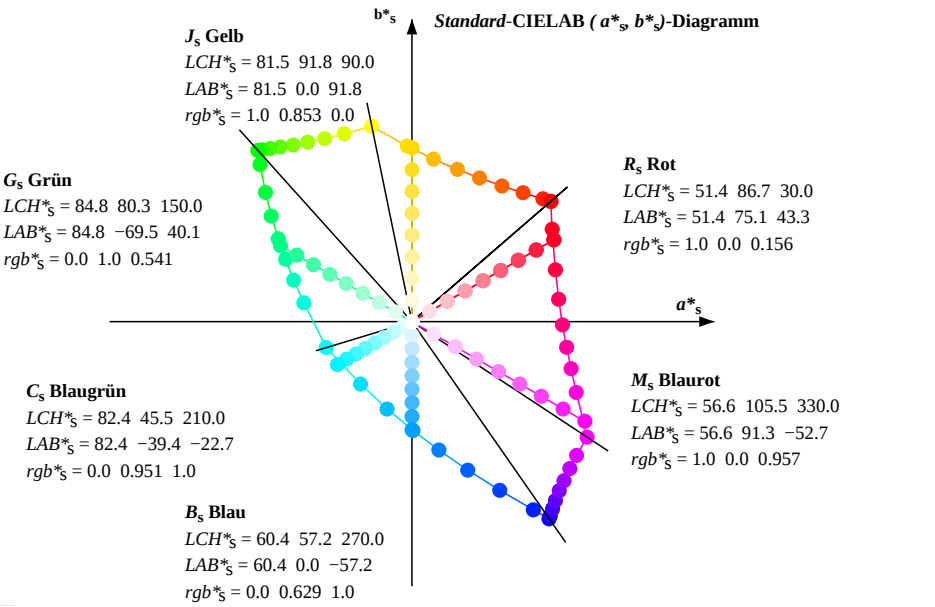
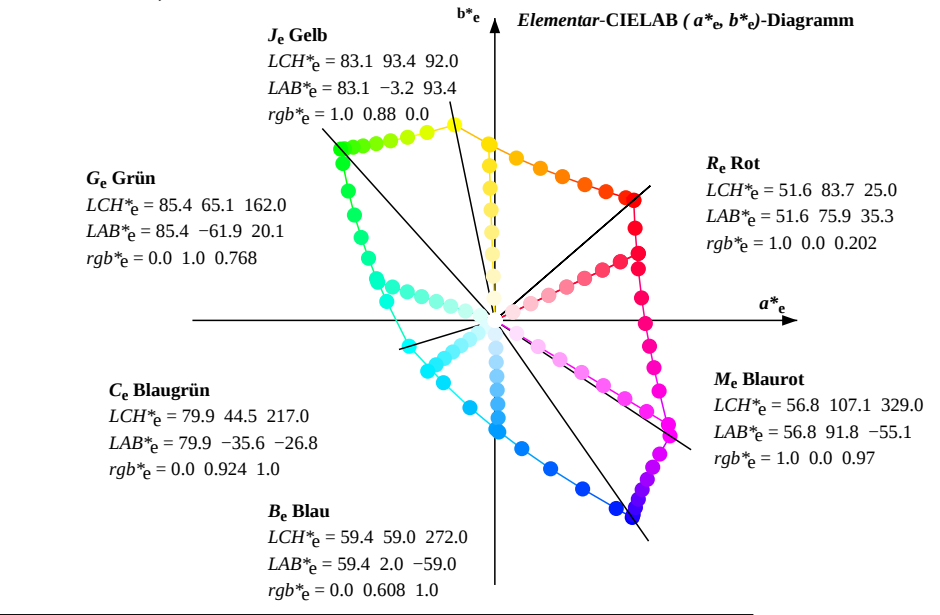
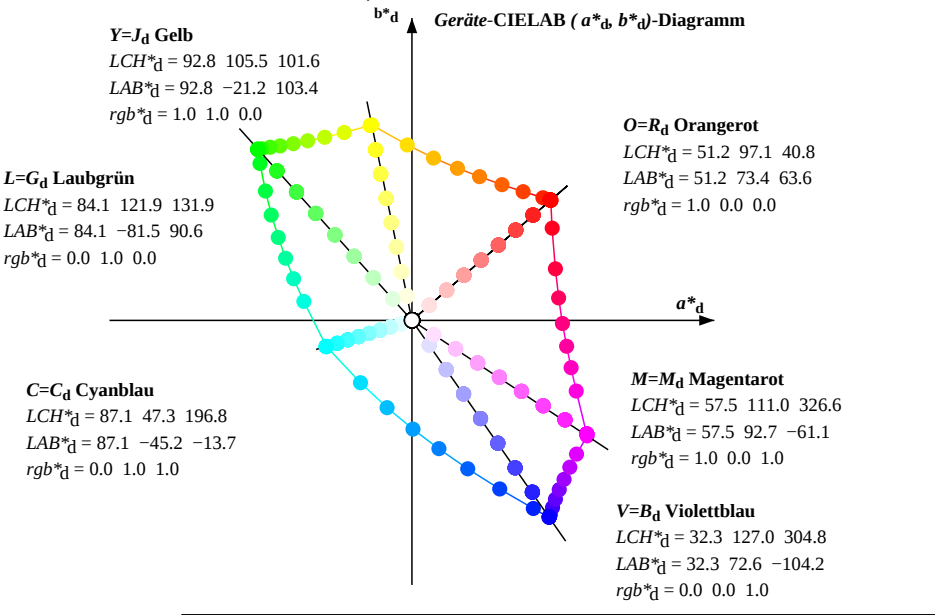
| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |     |                             |       |       |                   |                             |     |       |                |                   |       |       |                             |     |     |                |                   |       |       |              |              |              |       |       |      |     |       |     |     |       |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-----|-----------------------------|-------|-------|-------------------|-----------------------------|-----|-------|----------------|-------------------|-------|-------|-----------------------------|-----|-----|----------------|-------------------|-------|-------|--------------|--------------|--------------|-------|-------|------|-----|-------|-----|-----|-------|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |     | $LAB^*_{dd361Mix}(x=LabCh)$ |       |       | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       | $rgb^*_{s50M}$ | $rgb^*_{de361Mi}$ |       |       | $LAB^*_{de361Mix}(x=LabCh)$ |     |     | $rgb^*_{e50M}$ | $rgb^*_{de361Mi}$ |       |       | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |       |      |     |       |     |     |       |  |  |  |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                           | 210        | 217        | 0.0               | 0.906 | 1.0 | 78.0                        | -32.9 | -29.6 | 44.3              | 222                         | 0.0 | 0.951 | 1.0            | 82.3              | -39.7 | -22.9 | 46.0                        | 210 | 0.0 | 1.0            | 1.0               | $C_s$ | 0.0   | 0.925        | 1.0          | 79.8         | -35.9 | -27.0 | 45.0 | 217 | 0.0   | 1.0 | 1.0 | $C_e$ |  |  |  |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                           | 211        | 218        | 0.0               | 0.902 | 1.0 | 77.7                        | -32.2 | -30.0 | 44.2              | 223                         | 0.0 | 0.947 | 1.0            | 82.0              | -39.2 | -23.5 | 45.8                        | 211 | 0.0 | 0.983          | 1.0               | 0.0   | 0.921 | 1.0          | 79.5         | -35.3        | -27.5 | 44.9  | 218  | 0.0 | 0.983 | 1.0 |     |       |  |  |  |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                           | 212        | 219        | 0.0               | 0.899 | 1.0 | 77.3                        | -31.6 | -30.5 | 44.1              | 224                         | 0.0 | 0.943 | 1.0            | 81.6              | -38.7 | -24.1 | 45.7                        | 212 | 0.0 | 0.967          | 1.0               | 0.0   | 0.917 | 1.0          | 79.1         | -34.7        | -28.1 | 44.8  | 219  | 0.0 | 0.967 | 1.0 |     |       |  |  |  |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                           | 213        | 220        | 0.0               | 0.895 | 1.0 | 77.0                        | -31.0 | -31.0 | 43.9              | 225                         | 0.0 | 0.94  | 1.0            | 81.3              | -38.1 | -24.7 | 45.6                        | 213 | 0.0 | 0.95           | 1.0               | 0.0   | 0.914 | 1.0          | 78.8         | -34.1        | -28.6 | 44.6  | 220  | 0.0 | 0.95  | 1.0 |     |       |  |  |  |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                           | 214        | 221        | 0.0               | 0.891 | 1.0 | 76.6                        | -30.3 | -31.4 | 43.8              | 226                         | 0.0 | 0.936 | 1.0            | 80.9              | -37.6 | -25.3 | 45.4                        | 214 | 0.0 | 0.933          | 1.0               | 0.0   | 0.91  | 1.0          | 78.4         | -33.5        | -29.1 | 44.5  | 221  | 0.0 | 0.933 | 1.0 |     |       |  |  |  |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                           | 215        | 222        | 0.0               | 0.887 | 1.0 | 76.3                        | -29.7 | -31.8 | 43.7              | 227                         | 0.0 | 0.932 | 1.0            | 80.6              | -37.0 | -25.9 | 45.3                        | 215 | 0.0 | 0.917          | 1.0               | 0.0   | 0.906 | 1.0          | 78.0         | -32.9        | -29.6 | 44.3  | 222  | 0.0 | 0.917 | 1.0 |     |       |  |  |  |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                           | 216        | 222        | 0.0               | 0.884 | 1.0 | 75.9                        | -29.0 | -32.2 | 43.5              | 228                         | 0.0 | 0.928 | 1.0            | 80.2              | -36.4 | -26.4 | 45.2                        | 216 | 0.0 | 0.9            | 1.0               | 0.0   | 0.906 | 1.0          | 78.0         | -32.9        | -29.6 | 44.3  | 222  | 0.0 | 0.9   | 1.0 |     |       |  |  |  |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                           | 217        | 223        | 0.0               | 0.88  | 1.0 | 75.5                        | -28.4 | -32.6 | 43.4              | 229                         | 0.0 | 0.925 | 1.0            | 79.8              | -35.9 | -27.0 | 45.0                        | 217 | 0.0 | 0.883          | 1.0               | 0.0   | 0.902 | 1.0          | 77.7         | -32.2        | -30.0 | 44.2  | 223  | 0.0 | 0.883 | 1.0 |     |       |  |  |  |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                           | 218        | 224        | 0.0               | 0.876 | 1.0 | 75.2                        | -27.7 | -33.0 | 43.3              | 230                         | 0.0 | 0.921 | 1.0            | 79.5              | -35.3 | -27.5 | 44.9                        | 218 | 0.0 | 0.867          | 1.0               | 0.0   | 0.899 | 1.0          | 77.3         | -31.6        | -30.5 | 44.1  | 224  | 0.0 | 0.867 | 1.0 |     |       |  |  |  |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                           | 219        | 225        | 0.0               | 0.871 | 1.0 | 74.8                        | -27.2 | -33.6 | 43.4              | 231                         | 0.0 | 0.917 | 1.0            | 79.1              | -34.7 | -28.1 | 44.8                        | 219 | 0.0 | 0.85           | 1.0               | 0.0   | 0.895 | 1.0          | 77.0         | -31.0        | -31.0 | 43.9  | 225  | 0.0 | 0.85  | 1.0 |     |       |  |  |  |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                           | 220        | 226        | 0.0               | 0.866 | 1.0 | 74.5                        | -26.7 | -34.2 | 43.6              | 232                         | 0.0 | 0.914 | 1.0            | 78.8              | -34.1 | -28.6 | 44.6                        | 220 | 0.0 | 0.833          | 1.0               | 0.0   | 0.891 | 1.0          | 76.6         | -30.3        | -31.4 | 43.8  | 226  | 0.0 | 0.833 | 1.0 |     |       |  |  |  |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                           | 221        | 227        | 0.0               | 0.861 | 1.0 | 74.1                        | -26.3 | -34.9 | 43.8              | 233                         | 0.0 | 0.91  | 1.0            | 78.4              | -33.5 | -29.1 | 44.5                        | 221 | 0.0 | 0.817          | 1.0               | 0.0   | 0.887 | 1.0          | 76.3         | -29.7        | -31.8 | 43.7  | 227  | 0.0 | 0.817 | 1.0 |     |       |  |  |  |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                           | 222        | 228        | 0.0               | 0.856 | 1.0 | 73.8                        | -25.8 | -35.5 | 44.0              | 234                         | 0.0 | 0.906 | 1.0            | 78.0              | -32.9 | -29.6 | 44.3                        | 222 | 0.0 | 0.8            | 1.0               | 0.0   | 0.884 | 1.0          | 75.9         | -29.0        | -32.2 | 43.5  | 228  | 0.0 | 0.8   | 1.0 |     |       |  |  |  |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                           | 223        | 229        | 0.0               | 0.85  | 1.0 | 73.5                        | -25.3 | -36.2 | 44.3              | 235                         | 0.0 | 0.902 | 1.0            | 77.7              | -32.2 | -30.0 | 44.2                        | 223 | 0.0 | 0.783          | 1.0               | 0.0   | 0.88  | 1.0          | 75.5         | -28.4        | -32.6 | 43.4  | 229  | 0.0 | 0.783 | 1.0 |     |       |  |  |  |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                           | 224        | 230        | 0.0               | 0.845 | 1.0 | 73.1                        | -24.8 | -36.8 | 44.5              | 236                         | 0.0 | 0.899 | 1.0            | 77.3              | -31.6 | -30.5 | 44.1                        | 224 | 0.0 | 0.767          | 1.0               | 0.0   | 0.876 | 1.0          | 75.2         | -27.7        | -33.0 | 43.3  | 230  | 0.0 | 0.767 | 1.0 |     |       |  |  |  |
| 237                                                                                                                                                                                                                                                                                                                                                                                                                           | 225        | 231        | 0.0               | 0.84  | 1.0 | 72.8                        | -24.2 | -37.4 | 44.7              | 237                         | 0.0 | 0.895 | 1.0            | 77.0              | -31.0 | -31.0 | 43.9                        | 225 | 0.0 | 0.75           | 1.0               | 0.0   | 0.871 | 1.0          | 74.8         | -27.2        | -33.6 | 43.4  | 231  | 0.0 | 0.75  | 1.0 |     |       |  |  |  |
| 238                                                                                                                                                                                                                                                                                                                                                                                                                           | 226        | 232        | 0.0               | 0.835 | 1.0 | 72.4                        | -23.7 | -38.0 | 44.9              | 238                         | 0.0 | 0.891 | 1.0            | 76.6              | -30.3 | -31.4 | 43.8                        | 226 | 0.0 | 0.733          | 1.0               | 0.0   | 0.866 | 1.0          | 74.5         | -26.7        | -34.2 | 43.6  | 232  | 0.0 | 0.733 | 1.0 |     |       |  |  |  |
| 239                                                                                                                                                                                                                                                                                                                                                                                                                           | 227        | 232        | 0.0               | 0.829 | 1.0 | 72.1                        | -23.2 | -38.6 | 45.1              | 239                         | 0.0 | 0.887 | 1.0            | 76.3              | -29.7 | -31.8 | 43.7                        | 227 | 0.0 | 0.717          | 1.0               | 0.0   | 0.866 | 1.0          | 74.5         | -26.7        | -34.2 | 43.6  | 232  | 0.0 | 0.717 | 1.0 |     |       |  |  |  |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                           | 228        | 233        | 0.0               | 0.824 | 1.0 | 71.7                        | -22.6 | -39.2 | 45.4              | 240                         | 0.0 | 0.884 | 1.0            | 75.9              | -29.0 | -32.2 | 43.5                        | 228 | 0.0 | 0.7            | 1.0               | 0.0   | 0.861 | 1.0          | 74.1         | -26.3        | -34.9 | 43.8  | 233  | 0.0 | 0.7   | 1.0 |     |       |  |  |  |
| 241                                                                                                                                                                                                                                                                                                                                                                                                                           | 229        | 234        | 0.0               | 0.819 | 1.0 | 71.4                        | -22.0 | -39.8 | 45.6              | 241                         | 0.0 | 0.88  | 1.0            | 75.5              | -28.4 | -32.6 | 43.4                        | 229 | 0.0 | 0.683          | 1.0               | 0.0   | 0.856 | 1.0          | 73.8         | -25.8        | -35.5 | 44.0  | 234  | 0.0 | 0.683 | 1.0 |     |       |  |  |  |
| 242                                                                                                                                                                                                                                                                                                                                                                                                                           | 230        | 235        | 0.0               | 0.813 | 1.0 | 71.0                        | -21.4 | -40.4 | 45.8              | 242                         | 0.0 | 0.876 | 1.0            | 75.2              | -27.7 | -33.0 | 43.3                        | 230 | 0.0 | 0.667          | 1.0               | 0.0   | 0.85  | 1.0          | 73.5         | -25.3        | -36.2 | 44.3  | 235  | 0.0 | 0.667 | 1.0 |     |       |  |  |  |
| 243                                                                                                                                                                                                                                                                                                                                                                                                                           | 231        | 236        | 0.0               | 0.808 | 1.0 | 70.7                        | -20.8 | -40.9 | 46.0              | 243                         | 0.0 | 0.871 | 1.0            | 74.8              | -27.2 | -33.6 | 43.4                        | 231 | 0.0 | 0.65           | 1.0               | 0.0   | 0.845 | 1.0          | 73.1         | -24.8        | -36.8 | 44.5  | 236  | 0.0 | 0.65  | 1.0 |     |       |  |  |  |
| 244                                                                                                                                                                                                                                                                                                                                                                                                                           | 232        | 237        | 0.0               | 0.803 | 1.0 | 70.4                        | -20.2 | -41.5 | 46.3              | 244                         | 0.0 | 0.866 | 1.0            | 74.5              | -26.7 | -34.2 | 43.6                        | 232 | 0.0 | 0.633          | 1.0               | 0.0   | 0.84  | 1.0          | 72.8         | -24.2        | -37.4 | 44.7  | 237  | 0.0 | 0.633 | 1.0 |     |       |  |  |  |
| 245                                                                                                                                                                                                                                                                                                                                                                                                                           | 233        | 238        | 0.0               | 0.798 | 1.0 | 70.0                        | -19.5 | -42.0 | 46.5              | 245                         | 0.0 | 0.861 | 1.0            | 74.1              | -26.3 | -34.9 | 43.8                        | 233 | 0.0 | 0.617          | 1.0               | 0.0   | 0.835 | 1.0          | 72.4         | -23.7        | -38.0 | 44.9  | 238  | 0.0 | 0.617 | 1.0 |     |       |  |  |  |
| 246                                                                                                                                                                                                                                                                                                                                                                                                                           | 234        | 239        | 0.0               | 0.792 | 1.0 | 69.7                        | -18.9 | -42.6 | 46.7              | 246                         | 0.0 | 0.856 | 1.0            | 73.8              | -25.8 | -35.5 | 44.0                        | 234 | 0.0 | 0.6            | 1.0               | 0.0   | 0.829 | 1.0          | 72.1         | -23.2        | -38.6 | 45.1  | 239  | 0.0 | 0.6   | 1.0 |     |       |  |  |  |
| 247                                                                                                                                                                                                                                                                                                                                                                                                                           | 235        | 240        | 0.0               | 0.787 | 1.0 | 69.3                        | -18.2 | -43.1 | 46.9              | 247                         | 0.0 | 0.85  | 1.0            | 73.5              | -25.3 | -36.2 | 44.3                        | 235 | 0.0 | 0.583          | 1.0               | 0.0   | 0.824 | 1.0          | 71.7         | -22.6        | -39.2 | 45.4  | 240  | 0.0 | 0.583 | 1.0 |     |       |  |  |  |
| 248                                                                                                                                                                                                                                                                                                                                                                                                                           | 236        | 241        | 0.0               | 0.782 | 1.0 | 69.0                        | -17.6 | -43.6 | 47.2              | 248                         | 0.0 | 0.845 | 1.0            | 73.1              | -24.8 | -36.8 | 44.5                        | 236 | 0.0 | 0.567          | 1.0               | 0.0   | 0.819 | 1.0          | 71.4         | -22.0        | -39.8 | 45.6  | 241  | 0.0 | 0.567 | 1.0 |     |       |  |  |  |
| 249                                                                                                                                                                                                                                                                                                                                                                                                                           | 237        | 242        | 0.0               | 0.777 | 1.0 | 68.6                        | -16.9 | -44.1 | 47.4              | 249                         | 0.0 | 0.84  | 1.0            | 72.8              | -24.2 | -37.4 | 44.7                        | 237 | 0.0 | 0.55           | 1.0               | 0.0   | 0.813 | 1.0          | 71.0         | -21.4        | -40.4 | 45.8  | 242  | 0.0 | 0.55  | 1.0 |     |       |  |  |  |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                           | 238        | 243        | 0.0               | 0.771 | 1.0 | 68.3                        | -16.2 | -44.6 | 47.6              | 250                         | 0.0 | 0.835 | 1.0            | 72.4              | -23.7 | -38.0 | 44.9                        | 238 | 0.0 | 0.533          | 1.0               | 0.0   | 0.808 | 1.0          | 70.7         | -20.8        | -40.9 | 46.0  | 243  | 0.0 | 0.533 | 1.0 |     |       |  |  |  |
| 251                                                                                                                                                                                                                                                                                                                                                                                                                           | 239        | 243        | 0.0               | 0.766 | 1.0 | 67.9                        | -15.5 | -45.1 | 47.8              | 251                         | 0.0 | 0.829 | 1.0            | 72.1              | -23.2 | -38.6 | 45.1                        | 239 | 0.0 | 0.517          | 1.0               | 0.0   | 0.808 | 1.0          | 70.7         | -20.8        | -40.9 | 46.0  | 243  | 0.0 | 0.517 | 1.0 |     |       |  |  |  |
| 252                                                                                                                                                                                                                                                                                                                                                                                                                           | 240        | 244        | 0.0               | 0.761 | 1.0 | 67.6                        | -14.7 | -45.6 | 48.0              | 252                         | 0.0 | 0.824 | 1.0            | 71.7              | -22.6 | -39.2 | 45.4                        | 240 | 0.0 | 0.5            | 1.0               | 0.0   | 0.803 | 1.0          | 70.4         | -20.2        | -41.5 | 46.3  | 244  | 0.0 | 0.5   | 1.0 |     |       |  |  |  |
| 253                                                                                                                                                                                                                                                                                                                                                                                                                           | 241        | 245        | 0.0               | 0.756 | 1.0 | 67.3                        | -14.0 | -46.1 | 48.3              | 253                         | 0.0 | 0.819 | 1.0            | 71.4              | -22.0 | -39.8 | 45.6                        | 241 | 0.0 | 0.483          | 1.0               | 0.0   | 0.798 | 1.0          | 70.0         | -19.5        | -42.0 | 46.5  | 245  | 0.0 | 0.483 | 1.0 |     |       |  |  |  |
| 254                                                                                                                                                                                                                                                                                                                                                                                                                           | 242        | 246        | 0.0               | 0.75  | 1.0 | 66.9                        | -13.3 | -46.5 | 48.5              | 254                         | 0.0 | 0.813 | 1.0            | 71.0              | -21.4 | -40.4 | 45.8                        | 242 | 0.0 | 0.467          | 1.0               | 0.0   | 0.792 | 1.0          | 69.7         | -18.9        | -42.6 | 46.7  | 246  | 0.0 | 0.467 | 1.0 |     |       |  |  |  |
| 255                                                                                                                                                                                                                                                                                                                                                                                                                           | 243        | 247        | 0.0               | 0.743 | 1.0 | 66.5                        | -12.6 | -47.3 | 49.1              | 255                         | 0.0 | 0.808 | 1.0            | 70.7              | -20.8 | -40.9 | 46.0                        | 243 | 0.0 | 0.45           | 1.0               | 0.0   | 0.787 | 1.0          | 69.3         | -18.2        | -43.1 | 46.9  | 247  | 0.0 | 0.45  | 1.0 |     |       |  |  |  |
| 256                                                                                                                                                                                                                                                                                                                                                                                                                           | 244        | 248        | 0.0               | 0.735 | 1.0 | 66.1                        | -11.9 | -48.1 | 49.6              | 256                         | 0.0 | 0.803 | 1.0            | 70.4              | -20.2 | -41.5 | 46.3                        | 244 | 0.0 | 0.433          | 1.0               | 0.0   | 0.782 | 1.0          | 69.0         | -17.6        | -43.6 | 47.2  | 248  | 0.0 | 0.433 | 1.0 |     |       |  |  |  |
| 257                                                                                                                                                                                                                                                                                                                                                                                                                           | 245        | 249        | 0.0               | 0.728 | 1.0 | 65.6                        | -11.2 | -48.8 | 50.2              | 257                         | 0.0 | 0.798 | 1.0            | 70.0              | -19.5 | -42.0 | 46.5                        | 245 | 0.0 | 0.417          | 1.0               | 0.0   | 0.777 | 1.0          | 68.6         | -16.9        | -44.1 | 47.4  | 249  | 0.0 | 0.417 | 1.0 |     |       |  |  |  |
| 258                                                                                                                                                                                                                                                                                                                                                                                                                           | 246        | 250        | 0.0               | 0.72  | 1.0 | 65.2                        | -10.5 | -49.6 | 50.8              | 258                         | 0.0 | 0.792 | 1.0            | 69.7              | -18.9 | -42.6 | 46.7                        | 246 | 0.0 | 0.4            | 1.0               | 0.0   | 0.771 | 1.0          | 68.3         | -16.2        | -44.6 | 47.6  | 250  | 0.0 | 0.4   | 1.0 |     |       |  |  |  |
| 259                                                                                                                                                                                                                                                                                                                                                                                                                           | 247        | 251        | 0.0               | 0.713 | 1.0 | 64.8                        | -9.7  | -50.4 | 51.4              | 259                         | 0.0 | 0.787 | 1.0            | 69.3              | -18.2 | -43.1 | 46.9                        | 247 | 0.0 | 0.383          | 1.0               | 0.0   | 0.766 | 1.0          | 67.9         | -15.5        | -45.1 | 47.8  | 251  | 0.0 | 0.383 | 1.0 |     |       |  |  |  |
| 260                                                                                                                                                                                                                                                                                                                                                                                                                           | 248        | 25         |                   |       |     |                             |       |       |                   |                             |     |       |                |                   |       |       |                             |     |     |                |                   |       |       |              |              |              |       |       |      |     |       |     |     |       |  |  |  |

| Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 42.9, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |               |       |     |      |                         |        |       |     |               |       |     |      |                         |       |      |     |             |       |                          |     |               |     |      |       |                         |      |     |       |             |                          |  |  |           |           |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------|-------|-----|------|-------------------------|--------|-------|-----|---------------|-------|-----|------|-------------------------|-------|------|-----|-------------|-------|--------------------------|-----|---------------|-----|------|-------|-------------------------|------|-----|-------|-------------|--------------------------|--|--|-----------|-----------|-----------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                              | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*d361Mi$ |       |     |      | $LAB^*d361Mix(x=LabCh)$ |        |       |     | $rgb^*s361Mi$ |       |     |      | $LAB^*s361Mix(x=LabCh)$ |       |      |     | $rgb^*s50M$ |       |                          |     | $rgb^*d361Mi$ |     |      |       | $LAB^*d361Mix(x=LabCh)$ |      |     |       | $rgb^*e50M$ |                          |  |  | $rgb^*_d$ | $rgb^*_s$ | $rgb^*_e$ |
| 267                                                                                                                                                                                                                                                                                                                                                                                                                     | 255        | 258        | 0.0           | 0.652 | 1.0 | 61.4 | -2.8                    | -55.9  | 56.1  | 267 | 0.0           | 0.743 | 1.0 | 66.5 | -12.6                   | -47.3 | 49.1 | 255 | 0.0         | 0.25  | 1.0                      | 0.0 | 0.72          | 1.0 | 65.2 | -10.5 | -49.6                   | 50.8 | 258 | 0.0   | 0.25        | 1.0                      |  |  |           |           |           |
| 268                                                                                                                                                                                                                                                                                                                                                                                                                     | 256        | 259        | 0.0           | 0.644 | 1.0 | 60.9 | -1.9                    | -56.6  | 56.7  | 268 | 0.0           | 0.735 | 1.0 | 66.1 | -11.9                   | -48.1 | 49.6 | 256 | 0.0         | 0.233 | 1.0                      | 0.0 | 0.713         | 1.0 | 64.8 | -9.7  | -50.4                   | 51.4 | 259 | 0.0   | 0.233       | 1.0                      |  |  |           |           |           |
| 269                                                                                                                                                                                                                                                                                                                                                                                                                     | 257        | 260        | 0.0           | 0.637 | 1.0 | 60.5 | -0.9                    | -57.2  | 57.3  | 269 | 0.0           | 0.728 | 1.0 | 65.6 | -11.2                   | -48.8 | 50.2 | 257 | 0.0         | 0.217 | 1.0                      | 0.0 | 0.705         | 1.0 | 64.4 | -8.9  | -51.1                   | 52.0 | 260 | 0.0   | 0.217       | 1.0                      |  |  |           |           |           |
| 270                                                                                                                                                                                                                                                                                                                                                                                                                     | 258        | 261        | 0.0           | 0.629 | 1.0 | 60.1 | 0.0                     | -57.8  | 57.9  | 270 | 0.0           | 0.72  | 1.0 | 65.2 | -10.5                   | -49.6 | 50.8 | 258 | 0.0         | 0.2   | 1.0                      | 0.0 | 0.697         | 1.0 | 63.9 | -8.1  | -51.8                   | 53.2 | 261 | 0.0   | 0.2         | 1.0                      |  |  |           |           |           |
| 271                                                                                                                                                                                                                                                                                                                                                                                                                     | 259        | 262        | 0.0           | 0.62  | 1.0 | 59.6 | 1.0                     | -58.6  | 58.7  | 271 | 0.0           | 0.713 | 1.0 | 64.8 | -9.7                    | -50.4 | 51.4 | 259 | 0.0         | 0.183 | 1.0                      | 0.0 | 0.69          | 1.0 | 63.5 | -7.3  | -52.6                   | 53.2 | 262 | 0.0   | 0.183       | 1.0                      |  |  |           |           |           |
| 272                                                                                                                                                                                                                                                                                                                                                                                                                     | 260        | 263        | 0.0           | 0.609 | 1.0 | 59.0 | 2.1                     | -59.6  | 59.7  | 272 | 0.0           | 0.705 | 1.0 | 64.4 | -8.9                    | -51.1 | 52.0 | 260 | 0.0         | 0.167 | 1.0                      | 0.0 | 0.682         | 1.0 | 63.1 | -6.5  | -53.3                   | 53.8 | 263 | 0.0   | 0.167       | 1.0                      |  |  |           |           |           |
| 273                                                                                                                                                                                                                                                                                                                                                                                                                     | 261        | 264        | 0.0           | 0.598 | 1.0 | 58.5 | 3.2                     | -60.6  | 60.8  | 273 | 0.0           | 0.697 | 1.0 | 63.9 | -8.1                    | -51.8 | 52.6 | 261 | 0.0         | 0.15  | 1.0                      | 0.0 | 0.675         | 1.0 | 62.6 | -5.6  | -54.0                   | 54.3 | 264 | 0.0   | 0.15        | 1.0                      |  |  |           |           |           |
| 274                                                                                                                                                                                                                                                                                                                                                                                                                     | 262        | 264        | 0.0           | 0.587 | 1.0 | 57.9 | 4.3                     | -61.6  | 61.9  | 274 | 0.0           | 0.69  | 1.0 | 63.5 | -7.3                    | -52.6 | 53.2 | 262 | 0.0         | 0.133 | 1.0                      | 0.0 | 0.675         | 1.0 | 62.6 | -5.6  | -54.0                   | 54.3 | 264 | 0.0   | 0.133       | 1.0                      |  |  |           |           |           |
| 275                                                                                                                                                                                                                                                                                                                                                                                                                     | 263        | 265        | 0.0           | 0.576 | 1.0 | 57.4 | 5.5                     | -62.6  | 62.9  | 275 | 0.0           | 0.682 | 1.0 | 63.1 | -6.5                    | -53.3 | 53.8 | 263 | 0.0         | 0.117 | 1.0                      | 0.0 | 0.667         | 1.0 | 62.2 | -4.7  | -54.6                   | 54.9 | 265 | 0.0   | 0.117       | 1.0                      |  |  |           |           |           |
| 276                                                                                                                                                                                                                                                                                                                                                                                                                     | 264        | 266        | 0.0           | 0.565 | 1.0 | 56.8 | 6.7                     | -63.6  | 64.0  | 276 | 0.0           | 0.675 | 1.0 | 62.6 | -5.6                    | -54.0 | 54.3 | 264 | 0.0         | 0.1   | 1.0                      | 0.0 | 0.659         | 1.0 | 61.8 | -3.8  | -55.3                   | 55.5 | 266 | 0.0   | 0.1         | 1.0                      |  |  |           |           |           |
| 277                                                                                                                                                                                                                                                                                                                                                                                                                     | 265        | 267        | 0.0           | 0.554 | 1.0 | 56.2 | 7.9                     | -64.5  | 65.1  | 277 | 0.0           | 0.667 | 1.0 | 62.2 | -4.7                    | -54.6 | 54.9 | 265 | 0.0         | 0.083 | 1.0                      | 0.0 | 0.652         | 1.0 | 61.4 | -2.8  | -55.9                   | 56.1 | 267 | 0.0   | 0.083       | 1.0                      |  |  |           |           |           |
| 278                                                                                                                                                                                                                                                                                                                                                                                                                     | 266        | 268        | 0.0           | 0.543 | 1.0 | 55.7 | 9.2                     | -65.4  | 66.1  | 278 | 0.0           | 0.659 | 1.0 | 61.8 | -3.8                    | -55.3 | 55.5 | 266 | 0.0         | 0.067 | 1.0                      | 0.0 | 0.644         | 1.0 | 60.9 | -1.9  | -56.6                   | 56.7 | 268 | 0.0   | 0.067       | 1.0                      |  |  |           |           |           |
| 279                                                                                                                                                                                                                                                                                                                                                                                                                     | 267        | 269        | 0.0           | 0.532 | 1.0 | 55.1 | 10.5                    | -66.3  | 67.2  | 279 | 0.0           | 0.652 | 1.0 | 61.4 | -2.8                    | -55.9 | 56.1 | 267 | 0.0         | 0.05  | 1.0                      | 0.0 | 0.637         | 1.0 | 60.5 | -0.9  | -57.2                   | 57.3 | 269 | 0.0   | 0.05        | 1.0                      |  |  |           |           |           |
| 280                                                                                                                                                                                                                                                                                                                                                                                                                     | 268        | 270        | 0.0           | 0.521 | 1.0 | 54.5 | 11.9                    | -67.1  | 68.3  | 280 | 0.0           | 0.644 | 1.0 | 60.9 | -1.9                    | -56.6 | 56.7 | 268 | 0.0         | 0.033 | 1.0                      | 0.0 | 0.629         | 1.0 | 60.1 | 0.0   | -57.8                   | 57.9 | 270 | 0.0   | 0.033       | 1.0                      |  |  |           |           |           |
| 281                                                                                                                                                                                                                                                                                                                                                                                                                     | 269        | 271        | 0.0           | 0.51  | 1.0 | 54.0 | 13.2                    | -67.9  | 69.3  | 281 | 0.0           | 0.637 | 1.0 | 60.5 | -0.9                    | -57.2 | 57.3 | 269 | 0.0         | 0.017 | 1.0                      | 0.0 | 0.62          | 1.0 | 59.6 | 1.0   | -58.6                   | 58.7 | 271 | 0.0   | 0.017       | 1.0                      |  |  |           |           |           |
| 282                                                                                                                                                                                                                                                                                                                                                                                                                     | 270        | 272        | 0.0           | 0.499 | 1.0 | 53.4 | 14.6                    | -68.8  | 70.4  | 282 | 0.0           | 0.629 | 1.0 | 60.1 | 0.0                     | -57.8 | 57.9 | 270 | 0.0         | 0.0   | 1.0 <b>B<sub>s</sub></b> | 0.0 | 0.609         | 1.0 | 59.0 | 2.1   | -59.6                   | 59.7 | 272 | 0.0   | 0.0         | 1.0 <b>B<sub>e</sub></b> |  |  |           |           |           |
| 283                                                                                                                                                                                                                                                                                                                                                                                                                     | 271        | 273        | 0.0           | 0.485 | 1.0 | 52.7 | 16.2                    | -70.2  | 72.1  | 283 | 0.0           | 0.62  | 1.0 | 59.6 | 1.0                     | -58.6 | 58.7 | 271 | 0.017       | 0.0   | 1.0                      | 0.0 | 0.598         | 1.0 | 58.5 | 3.2   | -60.6                   | 60.8 | 273 | 0.017 | 0.0         | 1.0                      |  |  |           |           |           |
| 284                                                                                                                                                                                                                                                                                                                                                                                                                     | 272        | 274        | 0.0           | 0.471 | 1.0 | 51.9 | 17.9                    | -71.5  | 73.8  | 284 | 0.0           | 0.609 | 1.0 | 59.0 | 2.1                     | -59.6 | 59.7 | 272 | 0.033       | 0.0   | 1.0                      | 0.0 | 0.587         | 1.0 | 57.9 | 4.3   | -61.6                   | 61.9 | 274 | 0.033 | 0.0         | 1.0                      |  |  |           |           |           |
| 285                                                                                                                                                                                                                                                                                                                                                                                                                     | 273        | 275        | 0.0           | 0.457 | 1.0 | 51.2 | 19.5                    | -72.8  | 75.5  | 285 | 0.0           | 0.598 | 1.0 | 58.5 | 3.2                     | -60.6 | 60.8 | 273 | 0.05        | 0.0   | 1.0                      | 0.0 | 0.576         | 1.0 | 57.4 | 5.5   | -62.6                   | 62.9 | 275 | 0.05  | 0.0         | 1.0                      |  |  |           |           |           |
| 286                                                                                                                                                                                                                                                                                                                                                                                                                     | 274        | 276        | 0.0           | 0.443 | 1.0 | 50.4 | 21.3                    | -74.1  | 77.2  | 286 | 0.0           | 0.587 | 1.0 | 57.9 | 4.3                     | -61.6 | 61.9 | 274 | 0.067       | 0.0   | 1.0                      | 0.0 | 0.565         | 1.0 | 56.8 | 6.7   | -63.6                   | 64.0 | 276 | 0.067 | 0.0         | 1.0                      |  |  |           |           |           |
| 287                                                                                                                                                                                                                                                                                                                                                                                                                     | 275        | 276        | 0.0           | 0.428 | 1.0 | 49.7 | 23.1                    | -75.3  | 78.8  | 287 | 0.0           | 0.576 | 1.0 | 57.4 | 5.5                     | -62.6 | 62.9 | 275 | 0.083       | 0.0   | 1.0                      | 0.0 | 0.565         | 1.0 | 56.8 | 6.7   | -63.6                   | 64.0 | 276 | 0.083 | 0.0         | 1.0                      |  |  |           |           |           |
| 288                                                                                                                                                                                                                                                                                                                                                                                                                     | 276        | 277        | 0.0           | 0.414 | 1.0 | 48.9 | 24.9                    | -76.5  | 80.5  | 288 | 0.0           | 0.565 | 1.0 | 56.8 | 6.7                     | -63.6 | 64.0 | 276 | 0.1         | 0.0   | 1.0                      | 0.0 | 0.554         | 1.0 | 56.2 | 7.9   | -64.5                   | 65.1 | 277 | 0.1   | 0.0         | 1.0                      |  |  |           |           |           |
| 289                                                                                                                                                                                                                                                                                                                                                                                                                     | 277        | 278        | 0.0           | 0.4   | 1.0 | 48.2 | 26.8                    | -77.6  | 82.2  | 289 | 0.0           | 0.554 | 1.0 | 56.2 | 7.9                     | -64.5 | 65.1 | 277 | 0.117       | 0.0   | 1.0                      | 0.0 | 0.543         | 1.0 | 55.7 | 9.2   | -65.4                   | 66.1 | 278 | 0.117 | 0.0         | 1.0                      |  |  |           |           |           |
| 290                                                                                                                                                                                                                                                                                                                                                                                                                     | 278        | 279        | 0.0           | 0.386 | 1.0 | 47.5 | 28.7                    | -78.7  | 83.9  | 290 | 0.0           | 0.543 | 1.0 | 55.7 | 9.2                     | -65.4 | 66.1 | 278 | 0.133       | 0.0   | 1.0                      | 0.0 | 0.532         | 1.0 | 55.1 | 10.5  | -66.3                   | 67.2 | 279 | 0.133 | 0.0         | 1.0                      |  |  |           |           |           |
| 291                                                                                                                                                                                                                                                                                                                                                                                                                     | 279        | 280        | 0.0           | 0.371 | 1.0 | 46.7 | 30.7                    | -79.9  | 85.7  | 291 | 0.0           | 0.532 | 1.0 | 55.1 | 10.5                    | -66.3 | 67.2 | 279 | 0.15        | 0.0   | 1.0                      | 0.0 | 0.521         | 1.0 | 54.5 | 11.9  | -67.1                   | 68.3 | 280 | 0.15  | 0.0         | 1.0                      |  |  |           |           |           |
| 292                                                                                                                                                                                                                                                                                                                                                                                                                     | 280        | 281        | 0.0           | 0.353 | 1.0 | 45.7 | 33.0                    | -81.7  | 88.2  | 292 | 0.0           | 0.521 | 1.0 | 54.5 | 11.9                    | -67.1 | 68.3 | 280 | 0.167       | 0.0   | 1.0                      | 0.0 | 0.51          | 1.0 | 54.0 | 13.2  | -67.9                   | 69.3 | 281 | 0.167 | 0.0         | 1.0                      |  |  |           |           |           |
| 293                                                                                                                                                                                                                                                                                                                                                                                                                     | 281        | 282        | 0.0           | 0.336 | 1.0 | 44.8 | 35.4                    | -83.4  | 90.7  | 293 | 0.0           | 0.51  | 1.0 | 54.0 | 13.2                    | -67.9 | 69.3 | 281 | 0.183       | 0.0   | 1.0                      | 0.0 | 0.499         | 1.0 | 53.4 | 14.6  | -68.8                   | 70.4 | 282 | 0.183 | 0.0         | 1.0                      |  |  |           |           |           |
| 294                                                                                                                                                                                                                                                                                                                                                                                                                     | 282        | 283        | 0.0           | 0.318 | 1.0 | 43.9 | 37.9                    | -85.0  | 93.1  | 294 | 0.0           | 0.499 | 1.0 | 53.4 | 14.6                    | -68.8 | 70.4 | 282 | 0.2         | 0.0   | 1.0                      | 0.0 | 0.485         | 1.0 | 52.7 | 16.2  | -70.2                   | 72.1 | 283 | 0.2   | 0.0         | 1.0                      |  |  |           |           |           |
| 295                                                                                                                                                                                                                                                                                                                                                                                                                     | 283        | 284        | 0.0           | 0.3   | 1.0 | 43.0 | 40.4                    | -86.5  | 95.6  | 295 | 0.0           | 0.485 | 1.0 | 52.7 | 16.2                    | -70.2 | 72.1 | 283 | 0.217       | 0.0   | 1.0                      | 0.0 | 0.471         | 1.0 | 51.9 | 17.9  | -71.5                   | 73.8 | 284 | 0.217 | 0.0         | 1.0                      |  |  |           |           |           |
| 296                                                                                                                                                                                                                                                                                                                                                                                                                     | 284        | 285        | 0.0           | 0.282 | 1.0 | 42.0 | 43.0                    | -88.0  | 98.1  | 296 | 0.0           | 0.471 | 1.0 | 51.9 | 17.9                    | -71.5 | 73.8 | 284 | 0.233       | 0.0   | 1.0                      | 0.0 | 0.457         | 1.0 | 51.2 | 19.5  | -72.8                   | 75.5 | 285 | 0.233 | 0.0         | 1.0                      |  |  |           |           |           |
| 297                                                                                                                                                                                                                                                                                                                                                                                                                     | 285        | 286        | 0.0           | 0.264 | 1.0 | 41.1 | 45.6                    | -89.5  | 100.5 | 297 | 0.0           | 0.457 | 1.0 | 51.2 | 19.5                    | -72.8 | 75.5 | 285 | 0.25        | 0.0   | 1.0                      | 0.0 | 0.443         | 1.0 | 50.4 | 21.3  | -74.1                   | 77.2 | 286 | 0.25  | 0.0         | 1.0                      |  |  |           |           |           |
| 298                                                                                                                                                                                                                                                                                                                                                                                                                     | 286        | 287        | 0.0           | 0.246 | 1.0 | 40.1 | 48.4                    | -91.0  | 103.2 | 298 | 0.0           | 0.443 | 1.0 | 50.4 | 21.3                    | -74.1 | 77.2 | 286 | 0.267       | 0.0   | 1.0                      | 0.0 | 0.428         | 1.0 | 49.7 | 23.1  | -75.3                   | 78.8 | 287 | 0.267 | 0.0         | 1.0                      |  |  |           |           |           |
| 299                                                                                                                                                                                                                                                                                                                                                                                                                     | 287        | 288        | 0.0           | 0.223 | 1.0 | 39.0 | 51.7                    | -93.2  | 106.7 | 299 | 0.0           | 0.428 | 1.0 | 49.7 | 23.1                    | -75.3 | 78.8 | 287 | 0.283       | 0.0   | 1.0                      | 0.0 | 0.414         | 1.0 | 48.9 | 24.9  | -76.5                   | 80.5 | 288 | 0.283 | 0.0         | 1.0                      |  |  |           |           |           |
| 300                                                                                                                                                                                                                                                                                                                                                                                                                     | 288        | 289        | 0.0           | 0.2   | 1.0 | 37.8 | 55.1                    | -95.3  | 110.1 | 300 | 0.0           | 0.414 | 1.0 | 48.9 | 24.9                    | -76.5 | 80.5 | 288 | 0.3         | 0.0   | 1.0                      | 0.0 | 0.4           | 1.0 | 48.2 | 26.8  | -77.6                   | 82.2 | 289 | 0.3   | 0.0         | 1.0                      |  |  |           |           |           |
| 301                                                                                                                                                                                                                                                                                                                                                                                                                     | 289        | 290        | 0.0           | 0.177 | 1.0 | 36.6 | 58.5                    | -97.3  | 113.6 | 301 | 0.0           | 0.4   | 1.0 | 48.2 | 26.8                    | -77.6 | 82.2 | 289 | 0.317       | 0.0   | 1.0                      | 0.0 | 0.386         | 1.0 | 47.5 | 28.7  | -78.7                   | 83.9 | 290 | 0.317 | 0.0         | 1.0                      |  |  |           |           |           |
| 302                                                                                                                                                                                                                                                                                                                                                                                                                     | 290        | 291        | 0.0           | 0.154 | 1.0 | 35.4 | 62.0                    | -99.2  | 117.0 | 302 | 0.0           | 0.386 | 1.0 | 47.5 | 28.7                    | -78.7 | 83.9 | 290 | 0.333       | 0.0   | 1.0                      | 0.0 | 0.371         | 1.0 | 46.7 | 30.7  | -79.9                   | 85.7 | 291 | 0.333 | 0.0         | 1.0                      |  |  |           |           |           |
| 303                                                                                                                                                                                                                                                                                                                                                                                                                     | 291        | 292        | 0.0           | 0.131 | 1.0 | 34.2 | 65.6                    | -101.0 | 120.5 | 303 | 0.0           | 0.371 | 1.0 | 46.7 | 30.7                    | -79.9 | 85.7 | 291 | 0.35        | 0.0   | 1.0                      | 0.0 | 0.353         | 1.0 | 45.7 | 33.0  | -81.7                   | 88.2 | 292 | 0.35  | 0.0         | 1.0                      |  |  |           |           |           |
| 304                                                                                                                                                                                                                                                                                                                                                                                                                     | 292        | 293        | 0.0           | 0.082 | 1.0 | 32.9 | 69.7                    | -103.2 | 124.6 | 304 | 0.0           | 0.353 | 1.0 | 45.7 | 33.0                    | -81.7 | 88.2 | 292 | 0.367       | 0.0   | 1.0                      | 0.0 | 0.336         | 1.0 | 44.8 | 35.4  | -83.4                   | 90.7 | 293 | 0.367 | 0.0         | 1.0                      |  |  |           |           |           |

| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben e: $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                          |     |       |      |      |       |                                           |                   |       |       |     |      |                          |        |       |     |       |     |                                           |       |       |     |      |      |                       |       |     |       |     |     |                          |       |     |      |      |        |                                           |     |       |     |     |       |                       |     |      |      |        |       |                     |                     |                     |     |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------------------|-----|-------|------|------|-------|-------------------------------------------|-------------------|-------|-------|-----|------|--------------------------|--------|-------|-----|-------|-----|-------------------------------------------|-------|-------|-----|------|------|-----------------------|-------|-----|-------|-----|-----|--------------------------|-------|-----|------|------|--------|-------------------------------------------|-----|-------|-----|-----|-------|-----------------------|-----|------|------|--------|-------|---------------------|---------------------|---------------------|-----|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{\text{dd361Mi}}$ |     |       |      |      |       | $LAB^*_{\text{dd361Mix}}(x=\text{LabCh})$ |                   |       |       |     |      | $rgb^*_{\text{ds361Mi}}$ |        |       |     |       |     | $LAB^*_{\text{ds361Mix}}(x=\text{LabCh})$ |       |       |     |      |      | $rgb^*_{\text{s50M}}$ |       |     |       |     |     | $rgb^*_{\text{de361Mi}}$ |       |     |      |      |        | $LAB^*_{\text{de361Mix}}(x=\text{LabCh})$ |     |       |     |     |       | $rgb^*_{\text{e50M}}$ |     |      |      |        |       | $rgb^*_{\text{dd}}$ | $rgb^*_{\text{ds}}$ | $rgb^*_{\text{de}}$ |     |  |  |  |
| 312                                                                                                                                                                                                                                                                                                                                                                                                                            | 300        | 300        | 0.532                    | 0.0 | 1.0   | 40.8 | 80.6 | -89.5 | 120.5                                     | 312               | 0.0   | 0.2   | 1.0 | 37.8 | 55.1                     | -95.3  | 110.1 | 300 | 0.5   | 0.0 | 1.0                                       | 0.0   | 0.2   | 1.0 | 37.8 | 55.1 | -95.3                 | 110.1 | 300 | 0.5   | 0.0 | 1.0 | 0.0                      | 0.2   | 1.0 | 37.8 | 55.1 | -95.3  | 110.1                                     | 300 | 0.5   | 0.0 | 1.0 | 0.0   | 0.2                   | 1.0 | 37.8 | 55.1 | -95.3  | 110.1 | 300                 | 0.5                 | 0.0                 | 1.0 |  |  |  |
| 313                                                                                                                                                                                                                                                                                                                                                                                                                            | 301        | 301        | 0.579                    | 0.0 | 1.0   | 42.0 | 81.6 | -87.4 | 119.6                                     | 313               | 0.0   | 0.177 | 1.0 | 36.6 | 58.5                     | -97.3  | 113.6 | 301 | 0.517 | 0.0 | 1.0                                       | 0.0   | 0.177 | 1.0 | 36.6 | 58.5 | -97.3                 | 113.6 | 301 | 0.517 | 0.0 | 1.0 | 0.0                      | 0.177 | 1.0 | 36.6 | 58.5 | -97.3  | 113.6                                     | 301 | 0.517 | 0.0 | 1.0 | 0.0   | 0.177                 | 1.0 | 36.6 | 58.5 | -97.3  | 113.6 | 301                 | 0.517               | 0.0                 | 1.0 |  |  |  |
| 314                                                                                                                                                                                                                                                                                                                                                                                                                            | 302        | 302        | 0.626                    | 0.0 | 1.0   | 43.3 | 82.5 | -85.3 | 118.7                                     | 314               | 0.0   | 0.154 | 1.0 | 35.4 | 62.0                     | -99.2  | 117.0 | 302 | 0.533 | 0.0 | 1.0                                       | 0.0   | 0.154 | 1.0 | 35.4 | 62.0 | -99.2                 | 117.0 | 302 | 0.533 | 0.0 | 1.0 | 0.0                      | 0.154 | 1.0 | 35.4 | 62.0 | -99.2  | 117.0                                     | 302 | 0.533 | 0.0 | 1.0 | 0.0   | 0.154                 | 1.0 | 35.4 | 62.0 | -99.2  | 117.0 | 302                 | 0.533               | 0.0                 | 1.0 |  |  |  |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                            | 303        | 303        | 0.664                    | 0.0 | 1.0   | 44.5 | 83.3 | -83.2 | 117.9                                     | 315               | 0.0   | 0.131 | 1.0 | 34.2 | 65.6                     | -101.0 | 120.5 | 303 | 0.55  | 0.0 | 1.0                                       | 0.0   | 0.131 | 1.0 | 34.2 | 65.6 | -101.0                | 120.5 | 303 | 0.55  | 0.0 | 1.0 | 0.0                      | 0.131 | 1.0 | 34.2 | 65.6 | -101.0 | 120.5                                     | 303 | 0.55  | 0.0 | 1.0 | 0.0   | 0.131                 | 1.0 | 34.2 | 65.6 | -101.0 | 120.5 | 303                 | 0.55                | 0.0                 | 1.0 |  |  |  |
| 316                                                                                                                                                                                                                                                                                                                                                                                                                            | 304        | 304        | 0.703                    | 0.0 | 1.0   | 45.7 | 84.2 | -81.2 | 117.0                                     | 316               | 0.0   | 0.082 | 1.0 | 32.9 | 69.7                     | -103.2 | 124.6 | 304 | 0.567 | 0.0 | 1.0                                       | 0.0   | 0.082 | 1.0 | 32.9 | 69.7 | -103.2                | 124.6 | 304 | 0.567 | 0.0 | 1.0 | 0.0                      | 0.082 | 1.0 | 32.9 | 69.7 | -103.2 | 124.6                                     | 304 | 0.567 | 0.0 | 1.0 | 0.0   | 0.082                 | 1.0 | 32.9 | 69.7 | -103.2 | 124.6 | 304                 | 0.567               | 0.0                 | 1.0 |  |  |  |
| 317                                                                                                                                                                                                                                                                                                                                                                                                                            | 305        | 305        | 0.741                    | 0.0 | 1.0   | 46.8 | 85.0 | -79.1 | 116.2                                     | 317               | 0.0   | 0.023 | 1.0 | 31.5 | 74.0                     | -105.6 | 129.0 | 305 | 0.583 | 0.0 | 1.0                                       | 0.0   | 0.023 | 1.0 | 31.5 | 74.0 | -105.6                | 129.0 | 305 | 0.583 | 0.0 | 1.0 | 0.0                      | 0.023 | 1.0 | 31.5 | 74.0 | -105.6 | 129.0                                     | 305 | 0.583 | 0.0 | 1.0 | 0.0   | 0.023                 | 1.0 | 31.5 | 74.0 | -105.6 | 129.0 | 305                 | 0.583               | 0.0                 | 1.0 |  |  |  |
| 318                                                                                                                                                                                                                                                                                                                                                                                                                            | 306        | 306        | 0.775                    | 0.0 | 1.0   | 47.9 | 85.9 | -77.3 | 115.6                                     | 318               | 0.127 | 0.0   | 1.0 | 32.0 | 76.1                     | -104.7 | 129.5 | 306 | 0.6   | 0.0 | 1.0                                       | 0.127 | 0.0   | 1.0 | 32.0 | 76.1 | -104.7                | 129.5 | 306 | 0.6   | 0.0 | 1.0 | 0.127                    | 0.0   | 1.0 | 32.0 | 76.1 | -104.7 | 129.5                                     | 306 | 0.6   | 0.0 | 1.0 | 0.127 | 0.0                   | 1.0 | 32.0 | 76.1 | -104.7 | 129.5 | 306                 | 0.6                 | 0.0                 | 1.0 |  |  |  |
| 319                                                                                                                                                                                                                                                                                                                                                                                                                            | 307        | 307        | 0.808                    | 0.0 | 1.0   | 49.1 | 86.9 | -75.4 | 115.1                                     | 319               | 0.218 | 0.0   | 1.0 | 33.6 | 76.8                     | -101.9 | 127.7 | 307 | 0.617 | 0.0 | 1.0                                       | 0.218 | 0.0   | 1.0 | 33.6 | 76.8 | -101.9                | 127.7 | 307 | 0.617 | 0.0 | 1.0 | 0.218                    | 0.0   | 1.0 | 33.6 | 76.8 | -101.9 | 127.7                                     | 307 | 0.617 | 0.0 | 1.0 | 0.218 | 0.0                   | 1.0 | 33.6 | 76.8 | -101.9 | 127.7 | 307                 | 0.617               | 0.0                 | 1.0 |  |  |  |
| 320                                                                                                                                                                                                                                                                                                                                                                                                                            | 308        | 308        | 0.841                    | 0.0 | 1.0   | 50.2 | 87.8 | -73.5 | 114.6                                     | 320               | 0.297 | 0.0   | 1.0 | 35.1 | 77.6                     | -99.2  | 126.0 | 308 | 0.633 | 0.0 | 1.0                                       | 0.297 | 0.0   | 1.0 | 35.1 | 77.6 | -99.2                 | 126.0 | 308 | 0.633 | 0.0 | 1.0 | 0.297                    | 0.0   | 1.0 | 35.1 | 77.6 | -99.2  | 126.0                                     | 308 | 0.633 | 0.0 | 1.0 | 0.297 | 0.0                   | 1.0 | 35.1 | 77.6 | -99.2  | 126.0 | 308                 | 0.633               | 0.0                 | 1.0 |  |  |  |
| 321                                                                                                                                                                                                                                                                                                                                                                                                                            | 309        | 309        | 0.873                    | 0.0 | 1.0   | 51.3 | 88.6 | -71.7 | 114.1                                     | 321               | 0.368 | 0.0   | 1.0 | 36.6 | 78.3                     | -96.5  | 124.4 | 309 | 0.65  | 0.0 | 1.0                                       | 0.368 | 0.0   | 1.0 | 36.6 | 78.3 | -96.5                 | 124.4 | 309 | 0.65  | 0.0 | 1.0 | 0.368                    | 0.0   | 1.0 | 36.6 | 78.3 | -96.5  | 124.4                                     | 309 | 0.65  | 0.0 | 1.0 | 0.368 | 0.0                   | 1.0 | 36.6 | 78.3 | -96.5  | 124.4 | 309                 | 0.65                | 0.0                 | 1.0 |  |  |  |
| 322                                                                                                                                                                                                                                                                                                                                                                                                                            | 310        | 310        | 0.896                    | 0.0 | 1.0   | 52.3 | 89.7 | -69.9 | 113.8                                     | 322               | 0.426 | 0.0   | 1.0 | 38.1 | 79.0                     | -94.1  | 123.0 | 310 | 0.667 | 0.0 | 1.0                                       | 0.426 | 0.0   | 1.0 | 38.1 | 79.0 | -94.1                 | 123.0 | 310 | 0.667 | 0.0 | 1.0 | 0.426                    | 0.0   | 1.0 | 38.1 | 79.0 | -94.1  | 123.0                                     | 310 | 0.667 | 0.0 | 1.0 | 0.426 | 0.0                   | 1.0 | 38.1 | 79.0 | -94.1  | 123.0 | 310                 | 0.667               | 0.0                 | 1.0 |  |  |  |
| 323                                                                                                                                                                                                                                                                                                                                                                                                                            | 311        | 311        | 0.918                    | 0.0 | 1.0   | 53.3 | 90.6 | -68.2 | 113.5                                     | 323               | 0.482 | 0.0   | 1.0 | 39.5 | 79.8                     | -91.7  | 121.6 | 311 | 0.683 | 0.0 | 1.0                                       | 0.482 | 0.0   | 1.0 | 39.5 | 79.8 | -91.7                 | 121.6 | 311 | 0.683 | 0.0 | 1.0 | 0.482                    | 0.0   | 1.0 | 39.5 | 79.8 | -91.7  | 121.6                                     | 311 | 0.683 | 0.0 | 1.0 | 0.482 | 0.0                   | 1.0 | 39.5 | 79.8 | -91.7  | 121.6 | 311                 | 0.683               | 0.0                 | 1.0 |  |  |  |
| 324                                                                                                                                                                                                                                                                                                                                                                                                                            | 312        | 312        | 0.941                    | 0.0 | 1.0   | 54.3 | 91.6 | -66.5 | 113.2                                     | 324               | 0.532 | 0.0   | 1.0 | 40.8 | 80.6                     | -89.5  | 120.5 | 312 | 0.7   | 0.0 | 1.0                                       | 0.532 | 0.0   | 1.0 | 40.8 | 80.6 | -89.5                 | 120.5 | 312 | 0.7   | 0.0 | 1.0 | 0.532                    | 0.0   | 1.0 | 40.8 | 80.6 | -89.5  | 120.5                                     | 312 | 0.7   | 0.0 | 1.0 | 0.532 | 0.0                   | 1.0 | 40.8 | 80.6 | -89.5  | 120.5 | 312                 | 0.7                 | 0.0                 | 1.0 |  |  |  |
| 325                                                                                                                                                                                                                                                                                                                                                                                                                            | 313        | 312        | 0.963                    | 0.0 | 1.0   | 55.4 | 92.5 | -64.7 | 113.0                                     | 325               | 0.579 | 0.0   | 1.0 | 42.0 | 81.6                     | -87.4  | 119.6 | 313 | 0.717 | 0.0 | 1.0                                       | 0.532 | 0.0   | 1.0 | 40.8 | 80.6 | -89.5                 | 120.5 | 312 | 0.717 | 0.0 | 1.0 | 0.532                    | 0.0   | 1.0 | 40.8 | 80.6 | -89.5  | 120.5                                     | 312 | 0.717 | 0.0 | 1.0 | 0.532 | 0.0                   | 1.0 | 40.8 | 80.6 | -89.5  | 120.5 | 312                 | 0.717               | 0.0                 | 1.0 |  |  |  |
| 326                                                                                                                                                                                                                                                                                                                                                                                                                            | 314        | 313        | 0.985                    | 0.0 | 1.0   | 56.4 | 93.4 | -62.9 | 112.7                                     | 326M <sub>d</sub> | 0.626 | 0.0   | 1.0 | 43.3 | 82.5                     | -85.3  | 118.7 | 314 | 0.733 | 0.0 | 1.0                                       | 0.579 | 0.0   | 1.0 | 42.0 | 81.6 | -87.4                 | 119.6 | 313 | 0.733 | 0.0 | 1.0 | 0.579                    | 0.0   | 1.0 | 42.0 | 81.6 | -87.4  | 119.6                                     | 313 | 0.733 | 0.0 | 1.0 | 0.579 | 0.0                   | 1.0 | 42.0 | 81.6 | -87.4  | 119.6 | 313                 | 0.733               | 0.0                 | 1.0 |  |  |  |
| 327                                                                                                                                                                                                                                                                                                                                                                                                                            | 315        | 314        | 1.0                      | 0.0 | 0.996 | 57.0 | 93.9 | -60.9 | 112.0                                     | 327               | 0.664 | 0.0   | 1.0 | 44.5 | 83.3                     | -83.2  | 117.9 | 315 | 0.75  | 0.0 | 1.0                                       | 0.626 | 0.0   | 1.0 | 43.3 | 82.5 | -85.3                 | 118.7 | 314 | 0.75  | 0.0 | 1.0 | 0.626                    | 0.0   | 1.0 | 43.3 | 82.5 | -85.3  | 118.7                                     | 314 | 0.75  | 0.0 | 1.0 | 0.626 | 0.0                   | 1.0 | 43.3 | 82.5 | -85.3  | 118.7 | 314                 | 0.75                | 0.0                 | 1.0 |  |  |  |
| 328                                                                                                                                                                                                                                                                                                                                                                                                                            | 316        | 315        | 1.0                      | 0.0 | 0.983 | 56.7 | 93.6 | -58.4 | 110.3                                     | 328               | 0.703 | 0.0   | 1.0 | 45.7 | 84.2                     | -81.2  | 117.0 | 316 | 0.767 | 0.0 | 1.0                                       | 0.664 | 0.0   | 1.0 | 44.5 | 83.3 | -83.2                 | 117.9 | 315 | 0.767 | 0.0 | 1.0 | 0.664                    | 0.0   | 1.0 | 44.5 | 83.3 | -83.2  | 117.9                                     | 315 | 0.767 | 0.0 | 1.0 | 0.664 | 0.0                   | 1.0 | 44.5 | 83.3 | -83.2  | 117.9 | 315                 | 0.767               | 0.0                 | 1.0 |  |  |  |
| 329                                                                                                                                                                                                                                                                                                                                                                                                                            | 317        | 316        | 1.0                      | 0.0 | 0.971 | 56.5 | 93.2 | -55.9 | 108.7                                     | 329               | 0.741 | 0.0   | 1.0 | 46.8 | 85.0                     | -79.1  | 116.2 | 317 | 0.783 | 0.0 | 1.0                                       | 0.703 | 0.0   | 1.0 | 45.7 | 84.2 | -81.2                 | 117.0 | 316 | 0.783 | 0.0 | 1.0 | 0.703                    | 0.0   | 1.0 | 45.7 | 84.2 | -81.2  | 117.0                                     | 316 | 0.783 | 0.0 | 1.0 | 0.703 | 0.0                   | 1.0 | 45.7 | 84.2 | -81.2  | 117.0 | 316                 | 0.783               | 0.0                 | 1.0 |  |  |  |
| 330                                                                                                                                                                                                                                                                                                                                                                                                                            | 318        | 317        | 1.0                      | 0.0 | 0.958 | 56.2 | 92.7 | -53.4 | 107.1                                     | 330               | 0.775 | 0.0   | 1.0 | 47.9 | 85.9                     | -77.3  | 115.6 | 318 | 0.8   | 0.0 | 1.0                                       | 0.741 | 0.0   | 1.0 | 46.8 | 85.0 | -79.1                 | 116.2 | 317 | 0.8   | 0.0 | 1.0 | 0.741                    | 0.0   | 1.0 | 46.8 | 85.0 | -79.1  | 116.2                                     | 317 | 0.8   | 0.0 | 1.0 | 0.741 | 0.0                   | 1.0 | 46.8 | 85.0 | -79.1  | 116.2 | 317                 | 0.8                 | 0.0                 | 1.0 |  |  |  |
| 331                                                                                                                                                                                                                                                                                                                                                                                                                            | 319        | 318        | 1.0                      | 0.0 | 0.946 | 55.9 | 92.2 | -51.0 | 105.4                                     | 331               | 0.808 | 0.0   | 1.0 | 49.1 | 86.9                     | -75.4  | 115.1 | 319 | 0.817 | 0.0 | 1.0                                       | 0.775 | 0.0   | 1.0 | 47.9 | 85.9 | -77.3                 | 115.6 | 318 | 0.817 | 0.0 | 1.0 | 0.775                    | 0.0   | 1.0 | 47.9 | 85.9 | -77.3  | 115.6                                     | 318 | 0.817 | 0.0 | 1.0 | 0.775 | 0.0                   | 1.0 | 47.9 | 85.9 | -77.3  | 115.6 | 318                 | 0.817               | 0.0                 | 1.0 |  |  |  |
| 332                                                                                                                                                                                                                                                                                                                                                                                                                            | 320        | 319        | 1.0                      | 0.0 | 0.934 | 55.7 | 91.7 | -48.6 | 103.8                                     | 332               | 0.841 | 0.0   | 1.0 | 50.2 | 87.8                     | -73.5  | 114.6 | 320 | 0.833 | 0.0 | 1.0                                       | 0.808 | 0.0   | 1.0 | 49.1 | 86.9 | -75.4                 | 115.1 | 319 | 0.833 | 0.0 | 1.0 | 0.808                    | 0.0   | 1.0 | 49.1 | 86.9 | -75.4  | 115.1                                     | 319 | 0.833 | 0.0 | 1.0 | 0.808 | 0.0                   | 1.0 | 49.1 | 86.9 | -75.4  | 115.1 | 319                 | 0.833               | 0.0                 | 1.0 |  |  |  |
| 333                                                                                                                                                                                                                                                                                                                                                                                                                            | 321        | 320        | 1.0                      | 0.0 | 0.921 | 55.4 | 91.0 | -46.3 | 102.2                                     | 333               | 0.873 | 0.0   | 1.0 | 51.3 | 88.6                     | -71.7  | 114.1 | 321 | 0.85  | 0.0 | 1.0                                       | 0.841 | 0.0   | 1.0 | 50.2 | 87.8 | -73.5                 | 114.6 | 320 | 0.85  | 0.0 | 1.0 | 0.841                    | 0.0   | 1.0 | 50.2 | 87.8 | -73.5  | 114.6                                     | 320 | 0.85  | 0.0 | 1.0 | 0.841 | 0.0                   | 1.0 | 50.2 | 87.8 | -73.5  | 114.6 | 320                 | 0.85                | 0.0                 | 1.0 |  |  |  |
| 334                                                                                                                                                                                                                                                                                                                                                                                                                            | 322        | 321        | 1.0                      | 0.0 | 0.909 | 55.1 | 90.4 | -44.0 | 100.6                                     | 334               | 0.896 | 0.0   | 1.0 | 52.3 | 89.7                     | -69.9  | 113.8 | 322 | 0.867 | 0.0 | 1.0                                       | 0.873 | 0.0   | 1.0 | 51.3 | 88.6 | -71.7                 |       |     |       |     |     |                          |       |     |      |      |        |                                           |     |       |     |     |       |                       |     |      |      |        |       |                     |                     |                     |     |  |  |  |

| Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben e: $h_{ab,d} = 42.9, 101.5, 131.6, 196.9, 305.4, 326.7$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |     |       |      |      |      |      |                            |     |     |       |      |      |       |                  |     |     |     |       |     |     |                            |      |      |       |      |     |     |     |       |              |              |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-----|-------|------|------|------|------|----------------------------|-----|-----|-------|------|------|-------|------------------|-----|-----|-----|-------|-----|-----|----------------------------|------|------|-------|------|-----|-----|-----|-------|--------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ |     |       |      |      |      |      | $LAB^*_{d361Mix}(x=LabCh)$ |     |     |       |      |      |       | $rgb^*_{s361Mi}$ |     |     |     |       |     |     | $LAB^*_{s361Mix}(x=LabCh)$ |      |      |       |      |     |     |     |       |              |              |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                |            |            | $rgb^*_{s50M}$   |     |       |      |      |      |      |                            |     |     |       |      |      |       |                  |     |     |     |       |     |     |                            |      |      |       |      |     |     |     |       |              |              |              |
| 357                                                                                                                                                                                                                                                                                                                                                                                                                            | 345        | 343        | 1.0              | 0.0 | 0.527 | 52.3 | 81.6 | -4.2 | 81.7 | 357                        | 1.0 | 0.0 | 0.722 | 53.3 | 85.1 | -22.7 | 88.1             | 345 | 1.0 | 0.0 | 0.75  | 1.0 | 0.0 | 0.758                      | 53.5 | 85.7 | -26.1 | 89.7 | 343 | 1.0 | 0.0 | 0.75  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 358                                                                                                                                                                                                                                                                                                                                                                                                                            | 346        | 344        | 1.0              | 0.0 | 0.512 | 52.2 | 81.3 | -2.7 | 81.3 | 358                        | 1.0 | 0.0 | 0.705 | 53.2 | 84.9 | -21.1 | 87.5             | 346 | 1.0 | 0.0 | 0.733 | 1.0 | 0.0 | 0.74                       | 53.4 | 85.4 | -24.4 | 88.8 | 344 | 1.0 | 0.0 | 0.733 |              |              |              |
| 359                                                                                                                                                                                                                                                                                                                                                                                                                            | 347        | 345        | 1.0              | 0.0 | 0.497 | 52.1 | 81.0 | -1.3 | 81.0 | 359                        | 1.0 | 0.0 | 0.687 | 53.1 | 84.6 | -19.4 | 86.8             | 347 | 1.0 | 0.0 | 0.717 | 1.0 | 0.0 | 0.722                      | 53.3 | 85.1 | -22.7 | 88.1 | 345 | 1.0 | 0.0 | 0.717 |              |              |              |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                              | 348        | 346        | 1.0              | 0.0 | 0.485 | 52.1 | 80.9 | 0.0  | 80.9 | 0                          | 1.0 | 0.0 | 0.67  | 53.0 | 84.2 | -17.8 | 86.1             | 348 | 1.0 | 0.0 | 0.7   | 1.0 | 0.0 | 0.705                      | 53.2 | 84.9 | -21.1 | 87.5 | 346 | 1.0 | 0.0 | 0.7   |              |              |              |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                              | 349        | 347        | 1.0              | 0.0 | 0.472 | 52.0 | 80.7 | 1.4  | 80.8 | 1                          | 1.0 | 0.0 | 0.652 | 52.9 | 83.9 | -16.2 | 85.4             | 349 | 1.0 | 0.0 | 0.683 | 1.0 | 0.0 | 0.687                      | 53.1 | 84.6 | -19.4 | 86.8 | 347 | 1.0 | 0.0 | 0.683 |              |              |              |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                              | 350        | 348        | 1.0              | 0.0 | 0.46  | 52.0 | 80.6 | 2.8  | 80.7 | 2                          | 1.0 | 0.0 | 0.635 | 52.8 | 83.5 | -14.6 | 84.8             | 350 | 1.0 | 0.0 | 0.667 | 1.0 | 0.0 | 0.67                       | 53.0 | 84.2 | -17.8 | 86.1 | 348 | 1.0 | 0.0 | 0.667 |              |              |              |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                              | 351        | 349        | 1.0              | 0.0 | 0.447 | 51.9 | 80.4 | 4.2  | 80.6 | 3                          | 1.0 | 0.0 | 0.618 | 52.7 | 83.2 | -13.1 | 84.2             | 351 | 1.0 | 0.0 | 0.65  | 1.0 | 0.0 | 0.652                      | 52.9 | 83.9 | -16.2 | 85.4 | 349 | 1.0 | 0.0 | 0.65  |              |              |              |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                              | 352        | 349        | 1.0              | 0.0 | 0.435 | 51.9 | 80.3 | 5.6  | 80.5 | 4                          | 1.0 | 0.0 | 0.603 | 52.7 | 83.0 | -11.6 | 83.8             | 352 | 1.0 | 0.0 | 0.633 | 1.0 | 0.0 | 0.652                      | 52.9 | 83.9 | -16.2 | 85.4 | 349 | 1.0 | 0.0 | 0.633 |              |              |              |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                              | 353        | 350        | 1.0              | 0.0 | 0.422 | 51.8 | 80.0 | 7.0  | 80.4 | 5                          | 1.0 | 0.0 | 0.588 | 52.6 | 82.7 | -10.1 | 83.4             | 353 | 1.0 | 0.0 | 0.617 | 1.0 | 0.0 | 0.635                      | 52.8 | 83.5 | -14.6 | 84.8 | 350 | 1.0 | 0.0 | 0.617 |              |              |              |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                              | 354        | 351        | 1.0              | 0.0 | 0.41  | 51.8 | 79.8 | 8.4  | 80.3 | 6                          | 1.0 | 0.0 | 0.573 | 52.5 | 82.5 | -8.6  | 83.0             | 354 | 1.0 | 0.0 | 0.6   | 1.0 | 0.0 | 0.618                      | 52.7 | 83.2 | -13.1 | 84.2 | 351 | 1.0 | 0.0 | 0.6   |              |              |              |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                              | 355        | 352        | 1.0              | 0.0 | 0.397 | 51.7 | 79.6 | 9.8  | 80.2 | 7                          | 1.0 | 0.0 | 0.557 | 52.4 | 82.2 | -7.1  | 82.5             | 355 | 1.0 | 0.0 | 0.583 | 1.0 | 0.0 | 0.603                      | 52.7 | 83.0 | -11.6 | 83.8 | 352 | 1.0 | 0.0 | 0.583 |              |              |              |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                              | 356        | 353        | 1.0              | 0.0 | 0.384 | 51.7 | 79.3 | 11.1 | 80.0 | 8                          | 1.0 | 0.0 | 0.542 | 52.4 | 81.9 | -5.6  | 82.1             | 356 | 1.0 | 0.0 | 0.567 | 1.0 | 0.0 | 0.588                      | 52.6 | 82.7 | -10.1 | 83.4 | 353 | 1.0 | 0.0 | 0.567 |              |              |              |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                              | 357        | 354        | 1.0              | 0.0 | 0.372 | 51.6 | 79.0 | 12.5 | 80.0 | 9                          | 1.0 | 0.0 | 0.527 | 52.3 | 81.6 | -4.2  | 81.7             | 357 | 1.0 | 0.0 | 0.55  | 1.0 | 0.0 | 0.573                      | 52.5 | 82.5 | -8.6  | 83.0 | 354 | 1.0 | 0.0 | 0.55  |              |              |              |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                             | 358        | 355        | 1.0              | 0.0 | 0.361 | 51.6 | 79.0 | 13.9 | 80.2 | 10                         | 1.0 | 0.0 | 0.512 | 52.2 | 81.3 | -2.7  | 81.3             | 358 | 1.0 | 0.0 | 0.533 | 1.0 | 0.0 | 0.557                      | 52.4 | 82.2 | -7.1  | 82.5 | 355 | 1.0 | 0.0 | 0.533 |              |              |              |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                             | 359        | 356        | 1.0              | 0.0 | 0.35  | 51.5 | 78.9 | 15.3 | 80.4 | 11                         | 1.0 | 0.0 | 0.497 | 52.1 | 81.0 | -1.3  | 81.0             | 359 | 1.0 | 0.0 | 0.517 | 1.0 | 0.0 | 0.542                      | 52.4 | 81.9 | -5.6  | 82.1 | 356 | 1.0 | 0.0 | 0.517 |              |              |              |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                             | 360        | 357        | 1.0              | 0.0 | 0.339 | 51.5 | 78.9 | 16.8 | 80.6 | 12                         | 1.0 | 0.0 | 0.485 | 52.1 | 80.9 | 0.0   | 80.9             | 0   | 1.0 | 0.0 | 0.5   | 1.0 | 0.0 | 0.527                      | 52.3 | 81.6 | -4.2  | 81.7 | 357 | 1.0 | 0.0 | 0.5   |              |              |              |
| 13                                                                                                                                                                                                                                                                                                                                                                                                                             | 361        | 358        | 1.0              | 0.0 | 0.329 | 51.5 | 78.8 | 18.2 | 80.8 | 13                         | 1.0 | 0.0 | 0.472 | 52.0 | 80.7 | 1.4   | 80.8             | 1   | 1.0 | 0.0 | 0.483 | 1.0 | 0.0 | 0.512                      | 52.2 | 81.3 | -2.7  | 81.3 | 358 | 1.0 | 0.0 | 0.483 |              |              |              |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                             | 362        | 359        | 1.0              | 0.0 | 0.318 | 51.4 | 78.6 | 19.6 | 81.0 | 14                         | 1.0 | 0.0 | 0.46  | 52.0 | 80.6 | 2.8   | 80.7             | 2   | 1.0 | 0.0 | 0.467 | 1.0 | 0.0 | 0.497                      | 52.1 | 81.0 | -1.3  | 81.0 | 359 | 1.0 | 0.0 | 0.467 |              |              |              |
| 15                                                                                                                                                                                                                                                                                                                                                                                                                             | 363        | 360        | 1.0              | 0.0 | 0.307 | 51.4 | 78.5 | 21.0 | 81.2 | 15                         | 1.0 | 0.0 | 0.447 | 51.9 | 80.4 | 4.2   | 80.6             | 3   | 1.0 | 0.0 | 0.45  | 1.0 | 0.0 | 0.485                      | 52.1 | 80.9 | 0.0   | 80.9 | 0   | 1.0 | 0.0 | 0.45  |              |              |              |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                             | 364        | 361        | 1.0              | 0.0 | 0.296 | 51.4 | 78.3 | 22.4 | 81.4 | 16                         | 1.0 | 0.0 | 0.435 | 51.9 | 80.3 | 5.6   | 80.5             | 4   | 1.0 | 0.0 | 0.433 | 1.0 | 0.0 | 0.472                      | 52.0 | 80.7 | 1.4   | 80.8 | 1   | 1.0 | 0.0 | 0.433 |              |              |              |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                             | 365        | 362        | 1.0              | 0.0 | 0.285 | 51.3 | 78.1 | 23.9 | 81.6 | 17                         | 1.0 | 0.0 | 0.422 | 51.8 | 80.0 | 7.0   | 80.4             | 5   | 1.0 | 0.0 | 0.417 | 1.0 | 0.0 | 0.46                       | 52.0 | 80.6 | 2.8   | 80.7 | 2   | 1.0 | 0.0 | 0.417 |              |              |              |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                             | 366        | 363        | 1.0              | 0.0 | 0.274 | 51.3 | 77.8 | 25.3 | 81.8 | 18                         | 1.0 | 0.0 | 0.41  | 51.8 | 79.8 | 8.4   | 80.3             | 6   | 1.0 | 0.0 | 0.4   | 1.0 | 0.0 | 0.447                      | 51.9 | 80.4 | 4.2   | 80.6 | 3   | 1.0 | 0.0 | 0.4   |              |              |              |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                             | 367        | 364        | 1.0              | 0.0 | 0.263 | 51.2 | 77.6 | 26.7 | 82.0 | 19                         | 1.0 | 0.0 | 0.397 | 51.7 | 79.6 | 9.8   | 80.2             | 7   | 1.0 | 0.0 | 0.383 | 1.0 | 0.0 | 0.435                      | 51.9 | 80.3 | 5.6   | 80.5 | 4   | 1.0 | 0.0 | 0.383 |              |              |              |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                             | 368        | 365        | 1.0              | 0.0 | 0.252 | 51.2 | 77.3 | 28.1 | 82.2 | 20                         | 1.0 | 0.0 | 0.384 | 51.7 | 79.3 | 11.1  | 80.0             | 8   | 1.0 | 0.0 | 0.367 | 1.0 | 0.0 | 0.422                      | 51.8 | 80.0 | 7.0   | 80.4 | 5   | 1.0 | 0.0 | 0.367 |              |              |              |
| 21                                                                                                                                                                                                                                                                                                                                                                                                                             | 369        | 366        | 1.0              | 0.0 | 0.243 | 51.2 | 77.3 | 29.7 | 82.8 | 21                         | 1.0 | 0.0 | 0.372 | 51.6 | 79.0 | 12.5  | 80.0             | 9   | 1.0 | 0.0 | 0.35  | 1.0 | 0.0 | 0.41                       | 51.8 | 79.8 | 8.4   | 80.3 | 6   | 1.0 | 0.0 | 0.35  |              |              |              |
| 22                                                                                                                                                                                                                                                                                                                                                                                                                             | 370        | 367        | 1.0              | 0.0 | 0.234 | 51.2 | 77.4 | 31.3 | 83.4 | 22                         | 1.0 | 0.0 | 0.361 | 51.6 | 79.0 | 13.9  | 80.2             | 10  | 1.0 | 0.0 | 0.333 | 1.0 | 0.0 | 0.397                      | 51.7 | 79.6 | 9.8   | 80.2 | 7   | 1.0 | 0.0 | 0.333 |              |              |              |
| 23                                                                                                                                                                                                                                                                                                                                                                                                                             | 371        | 367        | 1.0              | 0.0 | 0.225 | 51.1 | 77.4 | 32.9 | 84.1 | 23                         | 1.0 | 0.0 | 0.35  | 51.5 | 78.9 | 15.3  | 80.4             | 11  | 1.0 | 0.0 | 0.317 | 1.0 | 0.0 | 0.397                      | 51.7 | 79.6 | 9.8   | 80.2 | 7   | 1.0 | 0.0 | 0.317 |              |              |              |
| 24                                                                                                                                                                                                                                                                                                                                                                                                                             | 372        | 368        | 1.0              | 0.0 | 0.216 | 51.1 | 77.4 | 34.5 | 84.7 | 24                         | 1.0 | 0.0 | 0.339 | 51.5 | 78.9 | 16.8  | 80.6             | 12  | 1.0 | 0.0 | 0.3   | 1.0 | 0.0 | 0.384                      | 51.7 | 79.3 | 11.1  | 80.0 | 8   | 1.0 | 0.0 | 0.3   |              |              |              |
| 25                                                                                                                                                                                                                                                                                                                                                                                                                             | 373        | 369        | 1.0              | 0.0 | 0.208 | 51.1 | 77.4 | 36.1 | 85.4 | 25                         | 1.0 | 0.0 | 0.329 | 51.5 | 78.8 | 18.2  | 80.8             | 13  | 1.0 | 0.0 | 0.283 | 1.0 | 0.0 | 0.372                      | 51.6 | 79.0 | 12.5  | 80.0 | 9   | 1.0 | 0.0 | 0.283 |              |              |              |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                             | 374        | 370        | 1.0              | 0.0 | 0.199 | 51.0 | 77.3 | 37.7 | 86.0 | 26                         | 1.0 | 0.0 | 0.318 | 51.4 | 78.6 | 19.6  | 81.0             | 14  | 1.0 | 0.0 | 0.267 | 1.0 | 0.0 | 0.361                      | 51.6 | 79.0 | 13.9  | 80.2 | 10  | 1.0 | 0.0 | 0.267 |              |              |              |
| 27                                                                                                                                                                                                                                                                                                                                                                                                                             | 375        | 371        | 1.0              | 0.0 | 0.19  | 51.0 | 77.2 | 39.4 | 86.7 | 27                         | 1.0 | 0.0 | 0.307 | 51.4 | 78.5 | 21.0  | 81.2             | 15  | 1.0 | 0.0 | 0.25  | 1.0 | 0.0 | 0.35                       | 51.5 | 78.9 | 15.3  | 80.4 | 11  | 1.0 | 0.0 | 0.25  |              |              |              |
| 28                                                                                                                                                                                                                                                                                                                                                                                                                             | 376        | 372        | 1.0              | 0.0 | 0.181 | 51.0 | 77.1 | 41.0 | 87.3 | 28                         | 1.0 | 0.0 | 0.296 | 51.4 | 78.3 | 22.4  | 81.4             | 16  | 1.0 | 0.0 | 0.233 | 1.0 | 0.0 | 0.339                      | 51.5 | 78.9 | 16.8  | 80.6 | 12  | 1.0 | 0.0 | 0.233 |              |              |              |
| 29                                                                                                                                                                                                                                                                                                                                                                                                                             | 377        | 373        | 1.0              | 0.0 | 0.172 | 51.0 | 77.0 | 42.7 | 88.0 | 29                         | 1.0 | 0.0 | 0.285 | 51.3 | 78.1 | 23.9  | 81.6             | 17  | 1.0 | 0.0 | 0.217 | 1.0 | 0.0 | 0.329                      | 51.5 | 78.8 | 18.2  | 80.8 | 13  | 1.0 | 0.0 | 0.217 |              |              |              |
| 30                                                                                                                                                                                                                                                                                                                                                                                                                             | 378        | 374        | 1.0              | 0.0 | 0.164 | 50.9 | 76.8 | 44.3 | 88.6 | 30                         | 1.0 | 0.0 | 0.274 | 51.3 | 77.8 | 25.3  | 81.8             | 18  | 1.0 | 0.0 | 0.2   | 1.0 | 0.0 | 0.318                      | 51.4 | 78.6 | 19.6  | 81.0 | 14  | 1.0 | 0.0 | 0.2   |              |              |              |
| 31                                                                                                                                                                                                                                                                                                                                                                                                                             | 379        | 375        | 1.0              | 0.0 | 0.155 | 50.9 | 76.5 | 46.0 | 89.3 | 31                         | 1.0 | 0.0 | 0.263 | 51.2 | 77.6 | 26.7  | 82.0             | 19  | 1.0 | 0.0 | 0.183 | 1.0 | 0.0 | 0.307                      | 51.4 | 78.5 | 21.0  | 81.2 | 15  | 1.0 | 0.0 | 0.183 |              |              |              |
| 32                                                                                                                                                                                                                                                                                                                                                                                                                             | 380        | 376        | 1.0              | 0.0 | 0.146 | 50.9 | 76.3 | 47.7 | 89.9 | 32                         | 1.0 | 0.0 | 0.252 | 51.2 | 77.3 | 28.1  | 82.2             | 20  | 1.0 | 0.0 | 0.167 | 1.0 | 0.0 | 0.296                      | 51.4 | 78.3 | 22.4  | 81.4 | 16  | 1.0 | 0.0 | 0.167 |              |              |              |
| 33                                                                                                                                                                                                                                                                                                                                                                                                                             | 381        | 377        | 1.0              | 0.0 | 0.137 | 50.9 | 76.0 | 49.3 | 90.6 | 33                         | 1.0 | 0.0 | 0.243 | 51.2 | 77.3 | 29.7  | 82.8             | 21  | 1.0 | 0.0 | 0.15  | 1.0 | 0.0 | 0.285                      | 51.3 | 78.1 | 23.9  | 81.6 | 17  | 1.0 | 0.0 | 0.15  |              |              |              |
| 34                                                                                                                                                                                                                                                                                                                                                                                                                             | 382        | 378        | 1.0              | 0.0 | 0.128 | 50.8 | 75.6 | 51.0 | 91.2 | 34                         | 1.0 | 0.0 | 0.234 | 51.2 | 77.4 | 31.3  | 83.4             | 22  | 1.0 | 0.0 | 0.133 | 1.0 | 0.0 | 0.274                      | 51.3 | 77.8 | 25.3  | 81.8 | 18  | 1.0 | 0.0 | 0.133 |              |              |              |
| 35                                                                                                                                                                                                                                                                                                                                                                                                                             | 383        | 379        | 1.0              | 0.0 | 0.116 | 50.8 | 75.6 | 52.9 | 92.2 | 35                         | 1.0 | 0.0 | 0.225 |      |      |       |                  |     |     |     |       |     |     |                            |      |      |       |      |     |     |     |       |              |              |              |

Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 40.9, 101.6, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_{de}$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 40.9, 101.6, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |       |       |                            |       |        |                  |                            |       |       |                  |                   |       |       |                             |     |       |                  |               |               |               |       |      |       |       |       |      |       |       |       |       |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-------|-------|----------------------------|-------|--------|------------------|----------------------------|-------|-------|------------------|-------------------|-------|-------|-----------------------------|-----|-------|------------------|---------------|---------------|---------------|-------|------|-------|-------|-------|------|-------|-------|-------|-------|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ab}d50M$ |       |       | $LAB^*_{ab}d50Mx(x=LabCh)$ |       |        | $rgb^*_{ab}d50M$ | $LAB^*_{ab}d50Mx(x=LabCh)$ |       |       | $rgb^*_{ab}s50M$ | $rgb^*_{ab}de50M$ |       |       | $LAB^*_{ab}de50Mx(x=LabCh)$ |     |       | $rgb^*_{ab}e50M$ | $rgb^*_{ab}d$ | $rgb^*_{ab}s$ | $rgb^*_{ab}e$ |       |      |       |       |       |      |       |       |       |       |  |  |  |
| 40.9                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0       | 25.5       | 1.0              | 0.0   | 0.0   | 51.3                       | 73.5  | 63.6   | 97.2             | 40.9                       | 1.0   | 0.0   | 0.156            | 51.5              | 75.1  | 43.4  | 86.8                        | 30  | 1.0   | 0.0              | 0.0           | 1.0           | 0.0           | 0.202 | 51.6 | 75.9  | 35.4  | 83.7  | 25   | 1.0   | 0.0   | 0.0   |       |  |  |  |
| 43.2                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5       | 33.8       | 1.0              | 0.125 | 0.0   | 52.7                       | 69.3  | 65.0   | 95.0             | 43.2                       | 1.0   | 0.0   | 0.048            | 51.3              | 74.0  | 57.8  | 93.9                        | 38  | 1.0   | 0.125            | 0.0           | 1.0           | 0.0           | 0.115 | 51.4 | 74.2  | 50.0  | 89.5  | 34   | 1.0   | 0.125 | 0.0   |       |  |  |  |
| 49.2                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0       | 42.2       | 1.0              | 0.25  | 0.0   | 56.4                       | 58.9  | 68.1   | 90.0             | 49.2                       | 1.0   | 0.163 | 0.0              | 53.8              | 66.1  | 66.1  | 93.5                        | 45  | 1.0   | 0.25             | 0.0           | 1.0           | 0.061         | 0.0   | 52.0 | 71.4  | 64.3  | 96.1  | 42   | 1.0   | 0.25  | 0.0   |       |  |  |  |
| 56.5                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5       | 50.5       | 1.0              | 0.375 | 0.0   | 60.6                       | 47.6  | 71.8   | 86.1             | 56.5                       | 1.0   | 0.316 | 0.0              | 58.6              | 53.0  | 70.3  | 88.0                        | 53  | 1.0   | 0.375            | 0.0           | 1.0           | 0.281         | 0.0   | 57.4 | 56.0  | 69.2  | 89.1  | 51   | 1.0   | 0.375 | 0.0   |       |  |  |  |
| 64.8                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0       | 58.9       | 1.0              | 0.5   | 0.0   | 65.3                       | 35.8  | 76.1   | 84.1             | 64.8                       | 1.0   | 0.428 | 0.0              | 62.6              | 42.6  | 73.8  | 85.3                        | 60  | 1.0   | 0.5              | 0.0           | 1.0           | 0.413         | 0.0   | 62.0 | 44.0  | 73.3  | 85.5  | 59   | 1.0   | 0.5   | 0.0   |       |  |  |  |
| 73.4                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5       | 67.2       | 1.0              | 0.625 | 0.0   | 70.2                       | 24.0  | 80.5   | 84.1             | 73.4                       | 1.0   | 0.546 | 0.0              | 67.1              | 31.5  | 77.9  | 84.1                        | 68  | 1.0   | 0.625            | 0.0           | 1.0           | 0.532         | 0.0   | 66.5 | 32.8  | 77.4  | 84.1  | 67   | 1.0   | 0.625 | 0.0   |       |  |  |  |
| 82.4                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0       | 75.6       | 1.0              | 0.75  | 0.0   | 75.8                       | 11.4  | 86.0   | 86.7             | 82.4                       | 1.0   | 0.647 | 0.0              | 71.2              | 21.9  | 81.7  | 84.5                        | 75  | 1.0   | 0.75             | 0.0           | 1.0           | 0.661         | 0.0   | 71.8 | 20.5  | 82.3  | 84.8  | 76   | 1.0   | 0.75  | 0.0   |       |  |  |  |
| 91.6                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5       | 84.0       | 1.0              | 0.875 | 0.0   | 82.7                       | -2.4  | 92.9   | 92.9             | 91.6                       | 1.0   | 0.758 | 0.0              | 76.3              | 10.6  | 86.5  | 87.1                        | 83  | 1.0   | 0.875            | 0.0           | 1.0           | 0.772         | 0.0   | 77.0 | 9.2   | 87.3  | 87.8  | 84   | 1.0   | 0.875 | 0.0   |       |  |  |  |
| 101.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0       | 92.3       | 1.0              | 1.0   | 0.0   | 92.8                       | -21.1 | 103.4  | 105.6            | 101.6                      | 1.0   | 0.854 | 0.0              | 81.5              | 0.0   | 91.9  | 91.9                        | 90  | 1.0   | 1.0              | 0.0           | 1.0           | 0.881         | 0.0   | 83.1 | -3.2  | 93.4  | 93.5  | 92   | 1.0   | 1.0   | 0.0   |       |  |  |  |
| 109.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5       | 101.1      | 0.875            | 1.0   | 0.0   | 90.1                       | -35.8 | 99.4   | 105.6            | 109.8                      | 1.0   | 0.955 | 0.0              | 89.2              | -14.0 | 100.1 | 101.0                       | 98  | 0.875 | 1.0              | 0.0           | 1.0           | 0.992         | 0.0   | 92.2 | -19.9 | 102.9 | 104.8 | 101  | 0.875 | 1.0   | 0.0   |       |  |  |  |
| 115.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0      | 109.8      | 0.75             | 1.0   | 0.0   | 88.5                       | -46.1 | 96.9   | 107.3            | 115.5                      | 0.949 | 1.0   | 0.0              | 91.7              | -27.2 | 102.0 | 105.6                       | 105 | 0.75  | 1.0              | 0.0           | 0.872         | 1.0           | 0.0   | 90.1 | -36.0 | 99.3  | 105.7 | 110  | 0.75  | 1.0   | 0.0   |       |  |  |  |
| 120.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5      | 118.5      | 0.625            | 1.0   | 0.0   | 87.2                       | -55.1 | 95.0   | 109.9            | 120.2                      | 0.805 | 1.0   | 0.0              | 89.2              | -41.5 | 98.1  | 106.6                       | 113 | 0.625 | 1.0              | 0.0           | 0.656         | 1.0           | 0.0   | 87.5 | -52.9 | 95.5  | 109.2 | 119  | 0.625 | 1.0   | 0.0   |       |  |  |  |
| 123.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0      | 127.3      | 0.5              | 1.0   | 0.0   | 86.2                       | -62.7 | 93.5   | 112.6            | 123.9                      | 0.629 | 1.0   | 0.0              | 87.3              | -54.8 | 95.1  | 109.8                       | 120 | 0.5   | 1.0              | 0.0           | 0.375         | 1.0           | 0.0   | 85.4 | -69.5 | 92.4  | 115.7 | 127  | 0.5   | 1.0   | 0.0   |       |  |  |  |
| 127.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5      | 136.0      | 0.375            | 1.0   | 0.0   | 85.4                       | -69.5 | 92.4   | 115.7            | 127.0                      | 0.321 | 1.0   | 0.0              | 85.2              | -71.8 | 92.1  | 116.9                       | 128 | 0.375 | 1.0              | 0.0           | 0.0           | 1.0           | 0.179 | 84.2 | -79.3 | 76.6  | 110.3 | 136  | 0.375 | 1.0   | 0.0   |       |  |  |  |
| 129.3                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0      | 144.7      | 0.25             | 1.0   | 0.0   | 84.8                       | -74.9 | 91.6   | 118.4            | 129.3                      | 0.0   | 1.0   | 0.151            | 84.2              | -79.9 | 80.0  | 113.1                       | 135 | 0.25  | 1.0              | 0.0           | 0.0           | 1.0           | 0.422 | 84.6 | -73.0 | 51.2  | 89.3  | 145  | 0.25  | 1.0   | 0.0   |       |  |  |  |
| 131.2                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5      | 153.5      | 0.125            | 1.0   | 0.0   | 84.3                       | -79.5 | 90.8   | 120.8            | 131.2                      | 0.0   | 1.0   | 0.372            | 84.5              | -74.3 | 56.1  | 93.2                        | 143 | 0.125 | 1.0              | 0.0           | 0.0           | 1.0           | 0.608 | 85.0 | -67.4 | 34.4  | 75.7  | 153  | 0.125 | 1.0   | 0.0   |       |  |  |  |
| 132.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0      | 162.2      | 0.0              | 1.0   | 0.0   | 84.1                       | -81.4 | 90.7   | 121.9            | 132.0                      | 0.0   | 1.0   | 0.542            | 84.9              | -69.5 | 40.2  | 80.3                        | 150 | 0.0   | 1.0              | 0.0           | 0.0           | 1.0           | 0.768 | 85.4 | -61.8 | 20.1  | 65.1  | 162  | 0.0   | 1.0   | 0.0   |       |  |  |  |
| 134.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5      | 169.1      | 0.0              | 1.0   | 0.125 | 84.2                       | -80.3 | 83.1   | 115.6            | 134.1                      | 0.0   | 1.0   | 0.702            | 85.2              | -64.3 | 26.0  | 69.5                        | 158 | 0.0   | 1.0              | 0.125         | 0.0           | 1.0           | 0.86  | 85.8 | -57.8 | 11.3  | 59.0  | 169  | 0.0   | 1.0   | 0.125 |       |  |  |  |
| 138.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0      | 175.9      | 0.0              | 1.0   | 0.25  | 84.3                       | -77.4 | 68.4   | 103.3            | 138.5                      | 0.0   | 1.0   | 0.808            | 85.6              | -60.3 | 16.2  | 62.5                        | 165 | 0.0   | 1.0              | 0.25          | 0.0           | 1.0           | 0.903 | 86.1 | -55.4 | 3.9   | 55.7  | 176  | 0.0   | 1.0   | 0.25  |       |  |  |  |
| 143.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5      | 182.8      | 0.0              | 1.0   | 0.375 | 84.5                       | -74.3 | 55.8   | 93.0             | 143.1                      | 0.0   | 1.0   | 0.889            | 86.0              | -56.4 | 6.9   | 56.9                        | 173 | 0.0   | 1.0              | 0.375         | 0.0           | 1.0           | 0.935 | 86.5 | -52.7 | -2.7  | 52.9  | 183  | 0.0   | 1.0   | 0.375 |       |  |  |  |
| 148.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0      | 189.6      | 0.0              | 1.0   | 0.5   | 84.8                       | -70.6 | 43.9   | 83.2             | 148.1                      | 0.0   | 1.0   | 0.921            | 86.3              | -54.0 | 0.0   | 54.1                        | 180 | 0.0   | 1.0              | 0.5           | 0.0           | 1.0           | 0.968 | 86.8 | -49.2 | -8.6  | 50.1  | 190  | 0.0   | 1.0   | 0.5   |       |  |  |  |
| 153.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5      | 196.4      | 0.0              | 1.0   | 0.625 | 85.0                       | -66.8 | 32.9   | 74.5             | 153.8                      | 0.0   | 1.0   | 0.959            | 86.7              | -50.3 | -7.0  | 50.9                        | 188 | 0.0   | 1.0              | 0.625         | 0.0           | 1.0           | 0.996 | 87.1 | -45.7 | -13.0 | 47.7  | 196  | 0.0   | 1.0   | 0.625 |       |  |  |  |
| 160.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0      | 203.3      | 0.0              | 1.0   | 0.75  | 85.4                       | -62.5 | 22.0   | 66.3             | 160.6                      | 0.0   | 1.0   | 0.991            | 87.0              | -46.3 | -12.3 | 48.1                        | 195 | 0.0   | 1.0              | 0.75          | 0.0           | 1.0           | 0.977 | 1.0  | 84.9  | -42.7 | -18.1 | 46.5 | 203   | 0.0   | 1.0   | 0.75  |  |  |  |
| 170.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5      | 210.1      | 0.0              | 1.0   | 0.875 | 85.8                       | -57.1 | 10.0   | 58.0             | 170.1                      | 0.0   | 0.977 | 1.0              | 84.9              | -42.7 | -18.1 | 46.5                        | 203 | 0.0   | 1.0              | 0.875         | 0.0           | 1.0           | 0.951 | 1.0  | 82.5  | -39.3 | -22.7 | 45.5 | 210   | 0.0   | 1.0   | 0.875 |  |  |  |
| 196.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0      | 217.0      | 0.0              | 1.0   | 1.0   | 87.1                       | -45.2 | -13.6  | 47.3             | 196.9                      | 0.0   | 0.951 | 1.0              | 82.5              | -39.3 | -22.7 | 45.5                        | 210 | 0.0   | 1.0              | 1.0           | 0.0           | 1.0           | 0.925 | 1.0  | 80.0  | -35.5 | -26.7 | 44.6 | 217   | 0.0   | 1.0   | 1.0   |  |  |  |
| 230.4                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5      | 223.8      | 0.0              | 0.875 | 1.0   | 75.3                       | -27.2 | -32.9  | 42.8             | 230.4                      | 0.0   | 0.921 | 1.0              | 79.6              | -34.9 | -27.3 | 44.5                        | 218 | 0.0   | 0.875            | 1.0           | 0.0           | 0.899         | 1.0   | 77.5 | -31.3 | -30.2 | 43.6  | 224  | 0.0   | 0.875 | 1.0   |       |  |  |  |
| 254.1                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0      | 230.7      | 0.0              | 0.75  | 1.0   | 67.2                       | -13.0 | -46.1  | 48.0             | 254.1                      | 0.0   | 0.895 | 1.0              | 77.2              | -30.7 | -30.7 | 43.5                        | 225 | 0.0   | 0.75             | 1.0           | 0.0           | 0.872         | 1.0   | 75.0 | -26.9 | -33.2 | 42.9  | 231  | 0.0   | 0.75  | 1.0   |       |  |  |  |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5      | 237.5      | 0.0              | 0.625 | 1.0   | 60.2                       | 0.5   | -57.4  | 57.5             | 270.5                      | 0.0   | 0.861 | 1.0              | 74.4              | -26.0 | -34.5 | 43.3                        | 233 | 0.0   | 0.625            | 1.0           | 0.0           | 0.835         | 1.0   | 72.7 | -23.5 | -37.6 | 44.4  | 238  | 0.0   | 0.625 | 1.0   |       |  |  |  |
| 281.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0      | 244.4      | 0.0              | 0.5   | 1.0   | 54.0                       | 14.2  | -67.8  | 69.4             | 281.8                      | 0.0   | 0.824 | 1.0              | 72.0              | -22.3 | -38.8 | 44.9                        | 240 | 0.0   | 0.5              | 1.0           | 0.0           | 0.803         | 1.0   | 70.6 | -20.0 | -41.0 | 45.8  | 244  | 0.0   | 0.5   | 1.0   |       |  |  |  |
| 290.6                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5      | 251.2      | 0.0              | 0.375 | 1.0   | 47.5                       | 29.5  | -78.4  | 83.9             | 290.6                      | 0.0   | 0.782 | 1.0              | 69.3              | -17.4 | -43.2 | 46.6                        | 248 | 0.0   | 0.375            | 1.0           | 0.0           | 0.766         | 1.0   | 68.2 | -15.3 | -44.6 | 47.3  | 251  | 0.0   | 0.375 | 1.0   |       |  |  |  |
| 297.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0      | 258.0      | 0.0              | 0.25  | 1.0   | 41.2                       | 46.4  | -89.1  | 100.5            | 297.5                      | 0.0   | 0.743 | 1.0              | 66.8              | -12.5 | -46.8 | 48.5                        | 255 | 0.0   | 0.25             | 1.0           | 0.0           | 0.72          | 1.0   | 65.5 | -10.3 | -49.1 | 50.3  | 258  | 0.0   | 0.25  | 1.0   |       |  |  |  |
| 302.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5      | 264.9      | 0.0              | 0.125 | 1.0   | 35.1                       | 64.2  | -99.4  | 118.4            | 302.8                      | 0.0   | 0.682 | 1.0              | 63.4              | -6.4  | -52.7 | 53.2                        | 263 | 0.0   | 0.125            | 1.0           | 0.0           | 0.667         | 1.0   | 62.6 | -4.6  | -54.0 | 54.3  | 265  | 0.0   | 0.125 | 1.0   |       |  |  |  |
| 304.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0      | 271.7      | 0.0              | 0.0   | 1.0   | 32.3                       | 72.6  | -104.2 | 127.1            | 304.9                      | 0.0   | 0.629 | 1.0              | 60.5              | 0.0   | -57.1 | 57.2                        | 270 | 0.0   | 0.0              | 1.0           | 0.0           | 0.609         | 1.0   | 59.4 | 2.1   | -58.9 | 59.1  | 272  | 0.0   | 0.0   | 1.0   |       |  |  |  |
| 305.5                                                                                                                                                                                                                                                                                                                                                                                                                         | 277.5      | 278.8      | 0.125            | 0.0   | 1.0   | 33.2                       | 73.2  | -102.6 | 126.1            | 305.5                      | 0.0   | 0.542 | 1.0              | 56.1              | 9.1   | -64.6 | 65.4                        | 278 | 0.125 | 0.0              | 1.0           | 0.0           | 0.531         | 1.0   | 55.5 | 10.4  | -65.5 | 66.4  | 279  | 0.125 | 0.0   | 1.0   |       |  |  |  |
| 306.9                                                                                                                                                                                                                                                                                                                                                                                                                         | 285.0      | 286.0      | 0.25             | 0.0   | 1.0   | 35.3                       | 74.4  | -98.9  | 123.9            | 306.9                      | 0.0   | 0.455 | 1.0              | 51.6              | 19.3  | -72.0 | 74.6                        | 285 | 0.25  | 0.0              | 1.0           | 0.0           | 0.441         | 1.0   | 50.9 | 21.0  | -73.2 | 76.3  | 286  | 0.25  | 0.0   | 1.0   |       |  |  |  |
| 308.7                                                                                                                                                                                                                                                                                                                                                                                                                         | 292.5      | 293.1      | 0.375            | 0.0   | 1.0   | 37.8                       | 75.9  | -94.6  | 121.3            | 308.7                      | 0.0   | 0.331 | 1.0              | 45.3              | 35.0  | -82.5 | 89.7                        | 293 | 0.375 | 0.0              | 1.0           | 0.0           | 0.331         | 1.0   | 45.3 | 35.0  | -82.5 | 89.7  | 293  | 0.375 | 0.0   | 1.0   |       |  |  |  |
| 311.0                                                                                                                                                                                                                                                                                                                                                                                                                         | 300.0      | 300.2      | 0.5              | 0.0   | 1.0   | 40.8                       | 77.9  | -89.4  | 118.6            | 311.0                      | 0.0   | 0.191 | 1.0              | 38.3              | 54.5  | -94.3 | 109.0                       | 300 | 0.5   | 0.0              | 1.0           | 0.0           | 0.191         | 1.0   | 38.3 | 54.5  | -94.3 | 109.0 | 300  | 0.5   | 0.0   | 1.0   |       |  |  |  |
| 313.8                                                                                                                                                                                                                                                                                                                                                                                                                         | 307.5      | 307.3      | 0.625            | 0.0   | 1.0   | 44.1                       | 80.5  | -84.0  | 116.5            | 313.8                      | 0     |       |                  |                   |       |       |                             |     |       |                  |               |               |               |       |      |       |       |       |      |       |       |       |       |  |  |  |



Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 40.9, 101.6, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ |    |    | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |      |       |      |      | $LAB^*_{dd361Mix}(x=LabCh)$ |     |       |     |      | $rgb^*_{ds361Mi}$ |      |      |    |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |     |       |     | $rgb^*_{s50M}$ |      |      |      |    | $rgb^*_{de361Mi}$ |       |     |  |  | $LAB^*_{de361Mix}(x=LabCh)$ |  |  |  |  | $rgb^*_{e50M}$ |  |  |  |  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|----|----|------------|------------|-------------------|------|-------|------|------|-----------------------------|-----|-------|-----|------|-------------------|------|------|----|-----|-----------------------------|-----|-----|-------|-----|----------------|------|------|------|----|-------------------|-------|-----|--|--|-----------------------------|--|--|--|--|----------------|--|--|--|--|--------------|--------------|--------------|
| 85         | 75 | 76 | 1.0        | 0.785      | 0.0               | 77.8 | 7.7   | 88.1 | 88.5 | 85                          | 1.0 | 0.647 | 0.0 | 71.2 | 21.9              | 81.7 | 84.5 | 75 | 1.0 | 0.75                        | 0.0 | 1.0 | 0.661 | 0.0 | 71.8           | 20.5 | 82.3 | 84.8 | 76 | 1.0               | 0.75  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 86         | 76 | 77 | 1.0        | 0.799      | 0.0               | 78.5 | 6.2   | 88.9 | 89.2 | 86                          | 1.0 | 0.661 | 0.0 | 71.8 | 20.5              | 82.3 | 84.8 | 76 | 1.0 | 0.767                       | 0.0 | 1.0 | 0.675 | 0.0 | 72.5           | 19.1 | 82.9 | 85.1 | 77 | 1.0               | 0.767 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 87         | 77 | 78 | 1.0        | 0.813      | 0.0               | 79.3 | 4.7   | 89.7 | 89.8 | 87                          | 1.0 | 0.675 | 0.0 | 72.5 | 19.1              | 82.9 | 85.1 | 77 | 1.0 | 0.783                       | 0.0 | 1.0 | 0.689 | 0.0 | 73.1           | 17.8 | 83.6 | 85.4 | 78 | 1.0               | 0.783 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 88         | 78 | 79 | 1.0        | 0.826      | 0.0               | 80.0 | 3.2   | 90.5 | 90.5 | 88                          | 1.0 | 0.689 | 0.0 | 73.1 | 17.8              | 83.6 | 85.4 | 78 | 1.0 | 0.8                         | 0.0 | 1.0 | 0.703 | 0.0 | 73.7           | 16.4 | 84.1 | 85.7 | 79 | 1.0               | 0.8   | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 89         | 79 | 80 | 1.0        | 0.84       | 0.0               | 80.8 | 1.6   | 91.2 | 91.2 | 89                          | 1.0 | 0.703 | 0.0 | 73.7 | 16.4              | 84.1 | 85.7 | 79 | 1.0 | 0.817                       | 0.0 | 1.0 | 0.717 | 0.0 | 74.3           | 14.9 | 84.7 | 86.0 | 80 | 1.0               | 0.817 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 90         | 80 | 81 | 1.0        | 0.854      | 0.0               | 81.5 | 0.0   | 91.9 | 91.9 | 90                          | 1.0 | 0.717 | 0.0 | 74.3 | 14.9              | 84.7 | 86.0 | 80 | 1.0 | 0.833                       | 0.0 | 1.0 | 0.73  | 0.0 | 75.0           | 13.5 | 85.3 | 86.3 | 81 | 1.0               | 0.833 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 91         | 81 | 82 | 1.0        | 0.867      | 0.0               | 82.3 | -1.5  | 92.5 | 92.5 | 91                          | 1.0 | 0.73  | 0.0 | 75.0 | 13.5              | 85.3 | 86.3 | 81 | 1.0 | 0.85                        | 0.0 | 1.0 | 0.744 | 0.0 | 75.6           | 12.1 | 85.8 | 86.6 | 82 | 1.0               | 0.85  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 92         | 82 | 83 | 1.0        | 0.881      | 0.0               | 83.1 | -3.2  | 93.4 | 93.5 | 92                          | 1.0 | 0.744 | 0.0 | 75.6 | 12.1              | 85.8 | 86.6 | 82 | 1.0 | 0.867                       | 0.0 | 1.0 | 0.758 | 0.0 | 76.3           | 10.6 | 86.5 | 87.1 | 83 | 1.0               | 0.867 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 93         | 83 | 85 | 1.0        | 0.893      | 0.0               | 84.1 | -4.9  | 94.6 | 94.7 | 93                          | 1.0 | 0.758 | 0.0 | 76.3 | 10.6              | 86.5 | 87.1 | 83 | 1.0 | 0.883                       | 0.0 | 1.0 | 0.785 | 0.0 | 77.8           | 7.7  | 88.1 | 88.5 | 85 | 1.0               | 0.883 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 94         | 84 | 86 | 1.0        | 0.905      | 0.0               | 85.2 | -6.6  | 95.8 | 96.0 | 94                          | 1.0 | 0.772 | 0.0 | 77.0 | 9.2               | 87.3 | 87.8 | 84 | 1.0 | 0.9                         | 0.0 | 1.0 | 0.799 | 0.0 | 78.5           | 6.2  | 88.9 | 89.2 | 86 | 1.0               | 0.9   | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 95         | 85 | 87 | 1.0        | 0.918      | 0.0               | 86.2 | -8.4  | 96.9 | 97.3 | 95                          | 1.0 | 0.785 | 0.0 | 77.8 | 7.7               | 88.1 | 88.5 | 85 | 1.0 | 0.917                       | 0.0 | 1.0 | 0.813 | 0.0 | 79.3           | 4.7  | 89.7 | 89.8 | 87 | 1.0               | 0.917 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 96         | 86 | 88 | 1.0        | 0.93       | 0.0               | 87.2 | -10.2 | 98.0 | 98.5 | 96                          | 1.0 | 0.799 | 0.0 | 78.5 | 6.2               | 88.9 | 89.2 | 86 | 1.0 | 0.933                       | 0.0 | 1.0 | 0.826 | 0.0 | 80.0           | 3.2  | 90.5 | 90.5 | 88 | 1.0               | 0.933 | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 97         | 87 | 89 | 1.0        | 0.943      | 0.0               | 88.2 | -12.1 | 99.0 | 99.8 | 97                          | 1.0 | 0.813 | 0.0 | 79.3 | 4.7               | 89.7 | 89.8 | 87 | 1.0 | 0.95                        | 0.0 | 1.0 | 0.84  | 0.0 | 80.8           | 1.6  | 91.2 | 91.2 | 89 | 1.0               | 0.95  | 0.0 |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |
| 98         | 88 |    |            |            |                   |      |       |      |      |                             |     |       |     |      |                   |      |      |    |     |                             |     |     |       |     |                |      |      |      |    |                   |       |     |  |  |                             |  |  |  |  |                |  |  |  |  |              |              |              |

| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 40.9, 101.6, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |     |       |      |       |      |                             |     |                |       |     |       |                   |       |      |       |     |       |                             |                   |       |     |       |      |                |      |       |     |       |     |                   |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-----|-------|------|-------|------|-----------------------------|-----|----------------|-------|-----|-------|-------------------|-------|------|-------|-----|-------|-----------------------------|-------------------|-------|-----|-------|------|----------------|------|-------|-----|-------|-----|-------------------|--|--|--|--|--|-----------------------------|--|--|--|--|--|----------------|--|--|--|--|--|--------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                  | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |     |       |      |       |      | $LAB^*_{dd361Mix}(x=LabCh)$ |     |                |       |     |       | $rgb^*_{ds361Mi}$ |       |      |       |     |       | $LAB^*_{ds361Mix}(x=LabCh)$ |                   |       |     |       |      | $rgb^*_{s50M}$ |      |       |     |       |     | $rgb^*_{de361Mi}$ |  |  |  |  |  | $LAB^*_{de361Mix}(x=LabCh)$ |  |  |  |  |  | $rgb^*_{e50M}$ |  |  |  |  |  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 130                                                                                                                                                                                                                                                                                                                                                                                                                         | 120        | 127        | 0.206             | 1.0 | 0.0   | 84.6 | -76.5 | 91.3 | 119.2                       | 130 | G <sub>d</sub> | 0.629 | 1.0 | 0.0   | 87.3              | -54.8 | 95.1 | 109.8 | 120 | 0.5   | 1.0                         | 0.0               | 0.375 | 1.0 | 0.0   | 85.4 | -69.5          | 92.4 | 115.7 | 127 | 0.5   | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 131                                                                                                                                                                                                                                                                                                                                                                                                                         | 121        | 128        | 0.141             | 1.0 | 0.0   | 84.3 | -79.0 | 90.9 | 120.5                       | 131 |                | 0.597 | 1.0 | 0.0   | 87.0              | -56.8 | 94.7 | 110.5 | 121 | 0.483 | 1.0                         | 0.0               | 0.321 | 1.0 | 0.0   | 85.2 | -71.8          | 92.1 | 116.9 | 128 | 0.483 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 132                                                                                                                                                                                                                                                                                                                                                                                                                         | 122        | 130        | 0.0               | 1.0 | 0.002 | 84.1 | -81.4 | 90.5 | 121.8                       | 132 |                | 0.563 | 1.0 | 0.0   | 86.7              | -58.8 | 94.3 | 111.2 | 122 | 0.467 | 1.0                         | 0.0               | 0.206 | 1.0 | 0.0   | 84.6 | -76.5          | 91.3 | 119.2 | 130 | 0.467 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 133                                                                                                                                                                                                                                                                                                                                                                                                                         | 123        | 131        | 0.0               | 1.0 | 0.061 | 84.1 | -80.9 | 86.9 | 118.8                       | 133 |                | 0.529 | 1.0 | 0.0   | 86.5              | -60.9 | 93.9 | 112.0 | 123 | 0.45  | 1.0                         | 0.0               | 0.141 | 1.0 | 0.0   | 84.3 | -79.0          | 90.9 | 120.5 | 131 | 0.45  | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 134                                                                                                                                                                                                                                                                                                                                                                                                                         | 124        | 132        | 0.0               | 1.0 | 0.12  | 84.2 | -80.4 | 83.3 | 115.9                       | 134 |                | 0.495 | 1.0 | 0.0   | 86.2              | -62.9 | 93.5 | 112.7 | 124 | 0.433 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.002 | 84.1 | -81.4          | 90.5 | 121.8 | 132 | 0.433 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 135                                                                                                                                                                                                                                                                                                                                                                                                                         | 125        | 133        | 0.0               | 1.0 | 0.151 | 84.2 | -79.9 | 80.0 | 113.1                       | 135 |                | 0.455 | 1.0 | 0.0   | 86.0              | -65.1 | 93.2 | 113.7 | 125 | 0.417 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.061 | 84.1 | -80.9          | 86.9 | 118.8 | 133 | 0.417 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 136                                                                                                                                                                                                                                                                                                                                                                                                                         | 126        | 134        | 0.0               | 1.0 | 0.179 | 84.2 | -79.3 | 76.6 | 110.3                       | 136 |                | 0.415 | 1.0 | 0.0   | 85.7              | -67.3 | 92.8 | 114.7 | 126 | 0.4   | 1.0                         | 0.0               | 0.0   | 1.0 | 0.12  | 84.2 | -80.4          | 83.3 | 115.9 | 134 | 0.4   | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 137                                                                                                                                                                                                                                                                                                                                                                                                                         | 127        | 135        | 0.0               | 1.0 | 0.207 | 84.3 | -78.6 | 73.4 | 107.6                       | 137 |                | 0.375 | 1.0 | 0.0   | 85.4              | -69.5 | 92.4 | 115.7 | 127 | 0.383 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.151 | 84.2 | -79.9          | 80.0 | 113.1 | 135 | 0.383 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 138                                                                                                                                                                                                                                                                                                                                                                                                                         | 128        | 137        | 0.0               | 1.0 | 0.235 | 84.3 | -77.8 | 70.2 | 104.8                       | 138 |                | 0.321 | 1.0 | 0.0   | 85.2              | -71.8 | 92.1 | 116.9 | 128 | 0.367 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.207 | 84.3 | -78.6          | 73.4 | 107.6 | 137 | 0.367 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 139                                                                                                                                                                                                                                                                                                                                                                                                                         | 129        | 138        | 0.0               | 1.0 | 0.263 | 84.4 | -77.1 | 67.1 | 102.3                       | 139 |                | 0.267 | 1.0 | 0.0   | 84.9              | -74.2 | 91.7 | 118.0 | 129 | 0.35  | 1.0                         | 0.0               | 0.0   | 1.0 | 0.235 | 84.3 | -77.8          | 70.2 | 104.8 | 138 | 0.35  | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 140                                                                                                                                                                                                                                                                                                                                                                                                                         | 130        | 139        | 0.0               | 1.0 | 0.29  | 84.4 | -76.5 | 64.3 | 100.0                       | 140 |                | 0.206 | 1.0 | 0.0   | 84.6              | -76.5 | 91.3 | 119.2 | 130 | 0.333 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.263 | 84.4 | -77.1          | 67.1 | 102.3 | 139 | 0.333 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 141                                                                                                                                                                                                                                                                                                                                                                                                                         | 131        | 140        | 0.0               | 1.0 | 0.317 | 84.5 | -75.9 | 61.5 | 97.8                        | 141 |                | 0.141 | 1.0 | 0.0   | 84.3              | -79.0 | 90.9 | 120.5 | 131 | 0.317 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.29  | 84.4 | -76.5          | 64.3 | 100.0 | 140 | 0.317 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 142                                                                                                                                                                                                                                                                                                                                                                                                                         | 132        | 141        | 0.0               | 1.0 | 0.345 | 84.5 | -75.1 | 58.8 | 95.5                        | 142 |                | 0.0   | 1.0 | 0.002 | 84.1              | -81.4 | 90.5 | 121.8 | 132 | 0.3   | 1.0                         | 0.0               | 0.0   | 1.0 | 0.317 | 84.5 | -75.9          | 61.5 | 97.8  | 141 | 0.3   | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                         | 133        | 142        | 0.0               | 1.0 | 0.372 | 84.5 | -74.3 | 56.1 | 93.2                        | 143 |                | 0.0   | 1.0 | 0.061 | 84.1              | -80.9 | 86.9 | 118.8 | 133 | 0.283 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.345 | 84.5 | -75.1          | 58.8 | 95.5  | 142 | 0.283 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 144                                                                                                                                                                                                                                                                                                                                                                                                                         | 134        | 144        | 0.0               | 1.0 | 0.397 | 84.6 | -73.7 | 53.6 | 91.2                        | 144 |                | 0.0   | 1.0 | 0.12  | 84.2              | -80.4 | 83.3 | 115.9 | 134 | 0.267 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.397 | 84.6 | -73.7          | 53.6 | 91.2  | 144 | 0.267 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 145                                                                                                                                                                                                                                                                                                                                                                                                                         | 135        | 145        | 0.0               | 1.0 | 0.422 | 84.6 | -73.0 | 51.2 | 89.3                        | 145 |                | 0.0   | 1.0 | 0.151 | 84.2              | -79.9 | 80.0 | 113.1 | 135 | 0.25  | 1.0                         | 0.0               | 0.0   | 1.0 | 0.422 | 84.6 | -73.0          | 51.2 | 89.3  | 145 | 0.25  | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 146                                                                                                                                                                                                                                                                                                                                                                                                                         | 136        | 146        | 0.0               | 1.0 | 0.447 | 84.7 | -72.3 | 48.8 | 87.3                        | 146 |                | 0.0   | 1.0 | 0.179 | 84.2              | -79.3 | 76.6 | 110.3 | 136 | 0.233 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.447 | 84.7 | -72.3          | 48.8 | 87.3  | 146 | 0.233 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 147                                                                                                                                                                                                                                                                                                                                                                                                                         | 137        | 147        | 0.0               | 1.0 | 0.472 | 84.7 | -71.5 | 46.5 | 85.4                        | 147 |                | 0.0   | 1.0 | 0.207 | 84.3              | -78.6 | 73.4 | 107.6 | 137 | 0.217 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.472 | 84.7 | -71.5          | 46.5 | 85.4  | 147 | 0.217 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 148                                                                                                                                                                                                                                                                                                                                                                                                                         | 138        | 148        | 0.0               | 1.0 | 0.497 | 84.8 | -70.7 | 44.2 | 83.4                        | 148 |                | 0.0   | 1.0 | 0.235 | 84.3              | -77.8 | 70.2 | 104.8 | 138 | 0.2   | 1.0                         | 0.0               | 0.0   | 1.0 | 0.497 | 84.8 | -70.7          | 44.2 | 83.4  | 148 | 0.2   | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 149                                                                                                                                                                                                                                                                                                                                                                                                                         | 139        | 149        | 0.0               | 1.0 | 0.519 | 84.8 | -70.1 | 42.2 | 81.9                        | 149 |                | 0.0   | 1.0 | 0.263 | 84.4              | -77.1 | 67.1 | 102.3 | 139 | 0.183 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.519 | 84.8 | -70.1          | 42.2 | 81.9  | 149 | 0.183 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                         | 140        | 151        | 0.0               | 1.0 | 0.542 | 84.9 | -69.5 | 40.2 | 80.3                        | 150 |                | 0.0   | 1.0 | 0.29  | 84.4              | -76.5 | 64.3 | 100.0 | 140 | 0.167 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.542 | 84.9 | -68.8          | 38.2 | 78.8  | 151 | 0.167 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 151                                                                                                                                                                                                                                                                                                                                                                                                                         | 141        | 152        | 0.0               | 1.0 | 0.564 | 84.9 | -68.8 | 38.2 | 78.8                        | 151 |                | 0.0   | 1.0 | 0.317 | 84.5              | -75.9 | 61.5 | 97.8  | 141 | 0.15  | 1.0                         | 0.0               | 0.0   | 1.0 | 0.564 | 84.9 | -68.1          | 36.3 | 77.3  | 152 | 0.15  | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 152                                                                                                                                                                                                                                                                                                                                                                                                                         | 142        | 153        | 0.0               | 1.0 | 0.586 | 85.0 | -68.1 | 36.3 | 77.3                        | 152 |                | 0.0   | 1.0 | 0.345 | 84.5              | -75.1 | 58.8 | 95.5  | 142 | 0.133 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.608 | 85.0 | -67.4          | 34.4 | 75.7  | 153 | 0.133 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 153                                                                                                                                                                                                                                                                                                                                                                                                                         | 143        | 154        | 0.0               | 1.0 | 0.608 | 85.0 | -67.4 | 34.4 | 75.7                        | 153 |                | 0.0   | 1.0 | 0.372 | 84.5              | -74.3 | 56.1 | 93.2  | 143 | 0.117 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.629 | 85.1 | -66.6          | 32.6 | 74.3  | 154 | 0.117 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 154                                                                                                                                                                                                                                                                                                                                                                                                                         | 144        | 155        | 0.0               | 1.0 | 0.629 | 85.1 | -66.6 | 32.6 | 74.3                        | 154 |                | 0.0   | 1.0 | 0.397 | 84.6              | -73.7 | 53.6 | 91.2  | 144 | 0.1   | 1.0                         | 0.0               | 0.0   | 1.0 | 0.647 | 85.1 | -66.1          | 30.9 | 73.1  | 155 | 0.1   | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 155                                                                                                                                                                                                                                                                                                                                                                                                                         | 145        | 156        | 0.0               | 1.0 | 0.647 | 85.1 | -66.1 | 30.9 | 73.1                        | 155 |                | 0.0   | 1.0 | 0.422 | 84.6              | -73.0 | 51.2 | 89.3  | 145 | 0.083 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.666 | 85.2 | -65.5          | 29.2 | 71.9  | 156 | 0.083 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 156                                                                                                                                                                                                                                                                                                                                                                                                                         | 146        | 158        | 0.0               | 1.0 | 0.666 | 85.2 | -65.5 | 29.2 | 71.9                        | 156 |                | 0.0   | 1.0 | 0.447 | 84.7              | -72.3 | 48.8 | 87.3  | 146 | 0.067 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.702 | 85.2 | -64.3          | 26.0 | 69.5  | 158 | 0.067 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 157                                                                                                                                                                                                                                                                                                                                                                                                                         | 147        | 159        | 0.0               | 1.0 | 0.684 | 85.2 | -64.9 | 27.6 | 70.7                        | 157 |                | 0.0   | 1.0 | 0.472 | 84.7              | -71.5 | 46.5 | 85.4  | 147 | 0.05  | 1.0                         | 0.0               | 0.0   | 1.0 | 0.721 | 85.3 | -63.6          | 24.5 | 68.3  | 159 | 0.05  | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 158                                                                                                                                                                                                                                                                                                                                                                                                                         | 148        | 160        | 0.0               | 1.0 | 0.702 | 85.2 | -64.3 | 26.0 | 69.5                        | 158 |                | 0.0   | 1.0 | 0.497 | 84.8              | -70.7 | 44.2 | 83.4  | 148 | 0.033 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.739 | 85.3 | -62.9          | 22.9 | 67.1  | 160 | 0.033 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 159                                                                                                                                                                                                                                                                                                                                                                                                                         | 149        | 161        | 0.0               | 1.0 | 0.721 | 85.3 | -63.6 | 24.5 | 68.3                        | 159 |                | 0.0   | 1.0 | 0.519 | 84.8              | -70.1 | 42.2 | 81.9  | 149 | 0.017 | 1.0                         | 0.0               | 0.0   | 1.0 | 0.755 | 85.4 | -62.3          | 21.5 | 66.0  | 161 | 0.017 | 1.0 | 0.0               |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 160                                                                                                                                                                                                                                                                                                                                                                                                                         | 150        | 162        | 0.0               | 1.0 | 0.739 | 85.3 | -62.9 | 22.9 | 67.1                        | 160 |                | 0.0   | 1.0 | 0.542 | 84.9              | -69.5 | 40.2 | 80.3  | 150 | 0.0   | 1.0                         | 0.0G <sub>s</sub> | 0.0   | 1.0 | 0.768 | 85.4 | -61.8          | 20.1 | 65.1  | 162 | 0.0   | 1.0 | 0.0G <sub>e</sub> |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 161                                                                                                                                                                                                                                                                                                                                                                                                                         | 151        | 163        | 0.0               | 1.0 | 0.755 | 85.4 | -62.3 | 21.5 | 66.0                        | 161 |                | 0.0   | 1.0 | 0.564 | 84.9              | -68.8 | 38.2 | 78.8  | 151 | 0.0   | 1.0                         | 0.017             | 0.0   | 1.0 | 0.782 | 85.5 | -61.3          | 18.8 | 64.2  | 163 | 0.0   | 1.0 | 0.017             |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 162                                                                                                                                                                                                                                                                                                                                                                                                                         | 152        | 164        | 0.0               | 1.0 | 0.768 | 85.4 | -61.8 | 20.1 | 65.1                        | 162 |                | 0.0   | 1.0 | 0.586 | 85.0              | -68.1 | 36.3 | 77.3  | 152 | 0.0   | 1.0                         | 0.033             | 0.0   | 1.0 | 0.795 | 85.5 | -60.8          | 17.5 | 63.4  | 164 | 0.0   | 1.0 | 0.033             |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 163                                                                                                                                                                                                                                                                                                                                                                                                                         | 153        | 165        | 0.0               | 1.0 | 0.782 | 85.5 | -61.3 | 18.8 | 64.2                        | 163 |                | 0.0   | 1.0 | 0.608 | 85.0              | -67.4 | 34.4 | 75.7  | 153 | 0.0   | 1.0                         | 0.05              | 0.0   | 1.0 | 0.808 | 85.6 | -60.3          | 16.2 | 62.5  | 165 | 0.0   | 1.0 | 0.05              |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 164                                                                                                                                                                                                                                                                                                                                                                                                                         | 154        | 166        | 0.0               | 1.0 | 0.795 | 85.5 | -60.8 | 17.5 | 63.4                        | 164 |                | 0.0   | 1.0 | 0.629 | 85.1              | -66.6 | 32.6 | 74.3  | 154 | 0.0   | 1.0                         | 0.067             | 0.0   | 1.0 | 0.821 | 85.6 | -59.7          | 14.9 | 61.6  | 166 | 0.0   | 1.0 | 0.067             |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 165                                                                                                                                                                                                                                                                                                                                                                                                                         | 155        | 167        | 0.0               | 1.0 | 0.808 | 85.6 | -60.3 | 16.2 | 62.5                        | 165 |                | 0.0   | 1.0 | 0.647 | 85.1              | -66.1 | 30.9 | 73.1  | 155 | 0.0   | 1.0                         | 0.083             | 0.0   | 1.0 | 0.834 | 85.7 | -59.1          | 13.7 | 60.7  | 167 | 0.0   | 1.0 | 0.083             |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |
| 166                                                                                                                                                                                                                                                                                                                                                                                                                         | 156        | 168        | 0.0               | 1.0 | 0.821 | 85.6 | -59.7 | 14.9 | 61.6                        | 166 |                | 0.0   | 1.0 | 0.666 | 85.2              | -65.5 | 29.2 | 71.9  | 156 | 0.0   | 1.0                         |                   |       |     |       |      |                |      |       |     |       |     |                   |  |  |  |  |  |                             |  |  |  |  |  |                |  |  |  |  |  |              |              |              |



| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 40.9, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |     |      |       |       |                             |     |     |       |     |      |                   |       |      |                             |     |       |                |       |     |                   |     |      |                             |       |      |                |     |       |              |              |              |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-----|------|-------|-------|-----------------------------|-----|-----|-------|-----|------|-------------------|-------|------|-----------------------------|-----|-------|----------------|-------|-----|-------------------|-----|------|-----------------------------|-------|------|----------------|-----|-------|--------------|--------------|--------------|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                          | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{ds361Mi}$ |       |     |      |       |       | $LAB^*_{ds361Mix}(x=LabCh)$ |     |     |       |     |      | $rgb^*_{ds361Mi}$ |       |      | $LAB^*_{ds361Mix}(x=LabCh)$ |     |       | $rgb^*_{s50M}$ |       |     | $rgb^*_{de361Mi}$ |     |      | $LAB^*_{de361Mix}(x=LabCh)$ |       |      | $rgb^*_{e50M}$ |     |       | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |  |  |
| 220                                                                                                                                                                                                                                                                                                                                                                                                                 | 210        | 217        | 0.0               | 0.914 | 1.0 | 78.9 | -33.7 | -28.3 | 44.2                        | 220 | 0.0 | 0.951 | 1.0 | 82.5 | -39.3             | -22.7 | 45.5 | 210                         | 0.0 | 1.0   | 1.0            | $C_s$ | 0.0 | 0.925             | 1.0 | 80.0 | -35.5                       | -26.7 | 44.6 | 217            | 0.0 | 1.0   | 1.0          | $C_e$        |              |  |  |
| 221                                                                                                                                                                                                                                                                                                                                                                                                                 | 211        | 218        | 0.0               | 0.91  | 1.0 | 78.6 | -33.1 | -28.8 | 44.0                        | 221 | 0.0 | 0.947 | 1.0 | 82.1 | -38.8             | -23.3 | 45.4 | 211                         | 0.0 | 0.983 | 1.0            |       | 0.0 | 0.921             | 1.0 | 79.6 | -34.9                       | -27.3 | 44.5 | 218            | 0.0 | 0.983 | 1.0          |              |              |  |  |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                 | 212        | 219        | 0.0               | 0.906 | 1.0 | 78.2 | -32.5 | -29.3 | 43.9                        | 222 | 0.0 | 0.944 | 1.0 | 81.8 | -38.3             | -23.9 | 45.3 | 212                         | 0.0 | 0.967 | 1.0            |       | 0.0 | 0.918             | 1.0 | 79.3 | -34.3                       | -27.8 | 44.3 | 219            | 0.0 | 0.967 | 1.0          |              |              |  |  |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                 | 213        | 220        | 0.0               | 0.903 | 1.0 | 77.9 | -31.9 | -29.8 | 43.8                        | 223 | 0.0 | 0.94  | 1.0 | 81.4 | -37.8             | -24.5 | 45.1 | 213                         | 0.0 | 0.95  | 1.0            |       | 0.0 | 0.914             | 1.0 | 78.9 | -33.7                       | -28.3 | 44.2 | 220            | 0.0 | 0.95  | 1.0          |              |              |  |  |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                 | 214        | 221        | 0.0               | 0.899 | 1.0 | 77.5 | -31.3 | -30.2 | 43.6                        | 224 | 0.0 | 0.936 | 1.0 | 81.1 | -37.2             | -25.1 | 45.0 | 214                         | 0.0 | 0.933 | 1.0            |       | 0.0 | 0.91              | 1.0 | 78.6 | -33.1                       | -28.8 | 44.0 | 221            | 0.0 | 0.933 | 1.0          |              |              |  |  |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                 | 215        | 222        | 0.0               | 0.895 | 1.0 | 77.2 | -30.7 | -30.7 | 43.5                        | 225 | 0.0 | 0.932 | 1.0 | 80.7 | -36.6             | -25.6 | 44.9 | 215                         | 0.0 | 0.917 | 1.0            |       | 0.0 | 0.906             | 1.0 | 78.2 | -32.5                       | -29.3 | 43.9 | 222            | 0.0 | 0.917 | 1.0          |              |              |  |  |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                 | 216        | 222        | 0.0               | 0.891 | 1.0 | 76.8 | -30.0 | -31.1 | 43.4                        | 226 | 0.0 | 0.929 | 1.0 | 80.3 | -36.1             | -26.2 | 44.7 | 216                         | 0.0 | 0.9   | 1.0            |       | 0.0 | 0.906             | 1.0 | 78.2 | -32.5                       | -29.3 | 43.9 | 222            | 0.0 | 0.9   | 1.0          |              |              |  |  |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                 | 217        | 223        | 0.0               | 0.888 | 1.0 | 76.5 | -29.4 | -31.5 | 43.2                        | 227 | 0.0 | 0.925 | 1.0 | 80.0 | -35.5             | -26.7 | 44.6 | 217                         | 0.0 | 0.883 | 1.0            |       | 0.0 | 0.903             | 1.0 | 77.9 | -31.9                       | -29.8 | 43.8 | 223            | 0.0 | 0.883 | 1.0          |              |              |  |  |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                 | 218        | 224        | 0.0               | 0.884 | 1.0 | 76.1 | -28.7 | -31.9 | 43.1                        | 228 | 0.0 | 0.921 | 1.0 | 79.6 | -34.9             | -27.3 | 44.5 | 218                         | 0.0 | 0.867 | 1.0            |       | 0.0 | 0.899             | 1.0 | 77.5 | -31.3                       | -30.2 | 43.6 | 224            | 0.0 | 0.867 | 1.0          |              |              |  |  |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                 | 219        | 225        | 0.0               | 0.88  | 1.0 | 75.7 | -28.1 | -32.3 | 43.0                        | 229 | 0.0 | 0.918 | 1.0 | 79.3 | -34.3             | -27.8 | 44.3 | 219                         | 0.0 | 0.85  | 1.0            |       | 0.0 | 0.895             | 1.0 | 77.2 | -30.7                       | -30.7 | 43.5 | 225            | 0.0 | 0.85  | 1.0          |              |              |  |  |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                 | 220        | 226        | 0.0               | 0.876 | 1.0 | 75.4 | -27.4 | -32.7 | 42.8                        | 230 | 0.0 | 0.914 | 1.0 | 78.9 | -33.7             | -28.3 | 44.2 | 220                         | 0.0 | 0.833 | 1.0            |       | 0.0 | 0.891             | 1.0 | 76.8 | -30.0                       | -31.1 | 43.4 | 226            | 0.0 | 0.833 | 1.0          |              |              |  |  |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                 | 221        | 227        | 0.0               | 0.872 | 1.0 | 75.0 | -26.9 | -33.2 | 42.9                        | 231 | 0.0 | 0.91  | 1.0 | 78.6 | -33.1             | -28.8 | 44.0 | 221                         | 0.0 | 0.817 | 1.0            |       | 0.0 | 0.888             | 1.0 | 76.5 | -29.4                       | -31.5 | 43.2 | 227            | 0.0 | 0.817 | 1.0          |              |              |  |  |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                 | 222        | 228        | 0.0               | 0.867 | 1.0 | 74.7 | -26.4 | -33.9 | 43.1                        | 232 | 0.0 | 0.906 | 1.0 | 78.2 | -32.5             | -29.3 | 43.9 | 222                         | 0.0 | 0.8   | 1.0            |       | 0.0 | 0.884             | 1.0 | 76.1 | -28.7                       | -31.9 | 43.1 | 228            | 0.0 | 0.8   | 1.0          |              |              |  |  |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                 | 223        | 229        | 0.0               | 0.861 | 1.0 | 74.4 | -26.0 | -34.5 | 43.3                        | 233 | 0.0 | 0.903 | 1.0 | 77.9 | -31.9             | -29.8 | 43.8 | 223                         | 0.0 | 0.783 | 1.0            |       | 0.0 | 0.88              | 1.0 | 75.7 | -28.1                       | -32.3 | 43.0 | 229            | 0.0 | 0.783 | 1.0          |              |              |  |  |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                 | 224        | 230        | 0.0               | 0.856 | 1.0 | 74.0 | -25.5 | -35.1 | 43.6                        | 234 | 0.0 | 0.899 | 1.0 | 77.5 | -31.3             | -30.2 | 43.6 | 224                         | 0.0 | 0.767 | 1.0            |       | 0.0 | 0.876             | 1.0 | 75.4 | -27.4                       | -32.7 | 42.8 | 230            | 0.0 | 0.767 | 1.0          |              |              |  |  |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                 | 225        | 231        | 0.0               | 0.851 | 1.0 | 73.7 | -25.0 | -35.8 | 43.8                        | 235 | 0.0 | 0.895 | 1.0 | 77.2 | -30.7             | -30.7 | 43.5 | 225                         | 0.0 | 0.75  | 1.0            |       | 0.0 | 0.872             | 1.0 | 75.0 | -26.9                       | -33.2 | 42.9 | 231            | 0.0 | 0.75  | 1.0          |              |              |  |  |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                 | 226        | 232        | 0.0               | 0.845 | 1.0 | 73.3 | -24.5 | -36.4 | 44.0                        | 236 | 0.0 | 0.891 | 1.0 | 76.8 | -30.0             | -31.1 | 43.4 | 226                         | 0.0 | 0.733 | 1.0            |       | 0.0 | 0.867             | 1.0 | 74.7 | -26.4                       | -33.9 | 43.1 | 232            | 0.0 | 0.733 | 1.0          |              |              |  |  |
| 237                                                                                                                                                                                                                                                                                                                                                                                                                 | 227        | 232        | 0.0               | 0.84  | 1.0 | 73.0 | -24.0 | -37.0 | 44.2                        | 237 | 0.0 | 0.888 | 1.0 | 76.5 | -29.4             | -31.5 | 43.2 | 227                         | 0.0 | 0.717 | 1.0            |       | 0.0 | 0.867             | 1.0 | 74.7 | -26.4                       | -33.9 | 43.1 | 232            | 0.0 | 0.717 | 1.0          |              |              |  |  |
| 238                                                                                                                                                                                                                                                                                                                                                                                                                 | 228        | 233        | 0.0               | 0.835 | 1.0 | 72.7 | -23.5 | -37.6 | 44.4                        | 238 | 0.0 | 0.884 | 1.0 | 76.1 | -28.7             | -31.9 | 43.1 | 228                         | 0.0 | 0.7   | 1.0            |       | 0.0 | 0.861             | 1.0 | 74.4 | -26.0                       | -34.5 | 43.3 | 233            | 0.0 | 0.7   | 1.0          |              |              |  |  |
| 239                                                                                                                                                                                                                                                                                                                                                                                                                 | 229        | 234        | 0.0               | 0.83  | 1.0 | 72.3 | -22.9 | -38.2 | 44.7                        | 239 | 0.0 | 0.88  | 1.0 | 75.7 | -28.1             | -32.3 | 43.0 | 229                         | 0.0 | 0.683 | 1.0            |       | 0.0 | 0.856             | 1.0 | 74.0 | -25.5                       | -35.1 | 43.6 | 234            | 0.0 | 0.683 | 1.0          |              |              |  |  |
| 240                                                                                                                                                                                                                                                                                                                                                                                                                 | 230        | 235        | 0.0               | 0.824 | 1.0 | 72.0 | -22.3 | -38.8 | 44.9                        | 240 | 0.0 | 0.876 | 1.0 | 75.4 | -27.4             | -32.7 | 42.8 | 230                         | 0.0 | 0.667 | 1.0            |       | 0.0 | 0.851             | 1.0 | 73.7 | -25.0                       | -35.8 | 43.8 | 235            | 0.0 | 0.667 | 1.0          |              |              |  |  |
| 241                                                                                                                                                                                                                                                                                                                                                                                                                 | 231        | 236        | 0.0               | 0.819 | 1.0 | 71.6 | -21.8 | -39.4 | 45.1                        | 241 | 0.0 | 0.872 | 1.0 | 75.0 | -26.9             | -33.2 | 42.9 | 231                         | 0.0 | 0.65  | 1.0            |       | 0.0 | 0.845             | 1.0 | 73.3 | -24.5                       | -36.4 | 44.0 | 236            | 0.0 | 0.65  | 1.0          |              |              |  |  |
| 242                                                                                                                                                                                                                                                                                                                                                                                                                 | 232        | 237        | 0.0               | 0.814 | 1.0 | 71.3 | -21.2 | -39.9 | 45.3                        | 242 | 0.0 | 0.867 | 1.0 | 74.7 | -26.4             | -33.9 | 43.1 | 232                         | 0.0 | 0.633 | 1.0            |       | 0.0 | 0.84              | 1.0 | 73.0 | -24.0                       | -37.0 | 44.2 | 237            | 0.0 | 0.633 | 1.0          |              |              |  |  |
| 243                                                                                                                                                                                                                                                                                                                                                                                                                 | 233        | 238        | 0.0               | 0.809 | 1.0 | 71.0 | -20.6 | -40.5 | 45.5                        | 243 | 0.0 | 0.861 | 1.0 | 74.4 | -26.0             | -34.5 | 43.3 | 233                         | 0.0 | 0.617 | 1.0            |       | 0.0 | 0.835             | 1.0 | 72.7 | -23.5                       | -37.6 | 44.4 | 238            | 0.0 | 0.617 | 1.0          |              |              |  |  |
| 244                                                                                                                                                                                                                                                                                                                                                                                                                 | 234        | 239        | 0.0               | 0.803 | 1.0 | 70.6 | -20.0 | -41.0 | 45.8                        | 244 | 0.0 | 0.856 | 1.0 | 74.0 | -25.5             | -35.1 | 43.6 | 234                         | 0.0 | 0.6   | 1.0            |       | 0.0 | 0.83              | 1.0 | 72.3 | -22.9                       | -38.2 | 44.7 | 239            | 0.0 | 0.6   | 1.0          |              |              |  |  |
| 245                                                                                                                                                                                                                                                                                                                                                                                                                 | 235        | 240        | 0.0               | 0.798 | 1.0 | 70.3 | -19.3 | -41.6 | 46.0                        | 245 | 0.0 | 0.851 | 1.0 | 73.7 | -25.0             | -35.8 | 43.8 | 235                         | 0.0 | 0.583 | 1.0            |       | 0.0 | 0.824             | 1.0 | 72.0 | -22.3                       | -38.8 | 44.9 | 240            | 0.0 | 0.583 | 1.0          |              |              |  |  |
| 246                                                                                                                                                                                                                                                                                                                                                                                                                 | 236        | 241        | 0.0               | 0.793 | 1.0 | 69.9 | -18.7 | -42.1 | 46.2                        | 246 | 0.0 | 0.845 | 1.0 | 73.3 | -24.5             | -36.4 | 44.0 | 236                         | 0.0 | 0.567 | 1.0            |       | 0.0 | 0.819             | 1.0 | 71.6 | -21.8                       | -39.4 | 45.1 | 241            | 0.0 | 0.567 | 1.0          |              |              |  |  |
| 247                                                                                                                                                                                                                                                                                                                                                                                                                 | 237        | 242        | 0.0               | 0.788 | 1.0 | 69.6 | -18.0 | -42.6 | 46.4                        | 247 | 0.0 | 0.84  | 1.0 | 73.0 | -24.0             | -37.0 | 44.2 | 237                         | 0.0 | 0.55  | 1.0            |       | 0.0 | 0.814             | 1.0 | 71.3 | -21.2                       | -39.9 | 45.3 | 242            | 0.0 | 0.55  | 1.0          |              |              |  |  |
| 248                                                                                                                                                                                                                                                                                                                                                                                                                 | 238        | 243        | 0.0               | 0.782 | 1.0 | 69.3 | -17.4 | -43.2 | 46.6                        | 248 | 0.0 | 0.835 | 1.0 | 72.7 | -23.5             | -37.6 | 44.4 | 238                         | 0.0 | 0.533 | 1.0            |       | 0.0 | 0.809             | 1.0 | 71.0 | -20.6                       | -40.5 | 45.5 | 243            | 0.0 | 0.533 | 1.0          |              |              |  |  |
| 249                                                                                                                                                                                                                                                                                                                                                                                                                 | 239        | 243        | 0.0               | 0.777 | 1.0 | 68.9 | -16.7 | -43.7 | 46.9                        | 249 | 0.0 | 0.83  | 1.0 | 72.3 | -22.9             | -38.2 | 44.7 | 239                         | 0.0 | 0.517 | 1.0            |       | 0.0 | 0.809             | 1.0 | 71.0 | -20.6                       | -40.5 | 45.5 | 243            | 0.0 | 0.517 | 1.0          |              |              |  |  |
| 250                                                                                                                                                                                                                                                                                                                                                                                                                 | 240        | 244        | 0.0               | 0.772 | 1.0 | 68.6 | -16.0 | -44.1 | 47.1                        | 250 | 0.0 | 0.824 | 1.0 | 72.0 | -22.3             | -38.8 | 44.9 | 240                         | 0.0 | 0.5   | 1.0            |       | 0.0 | 0.803             | 1.0 | 70.6 | -20.0                       | -41.0 | 45.8 | 244            | 0.0 | 0.5   | 1.0          |              |              |  |  |
| 251                                                                                                                                                                                                                                                                                                                                                                                                                 | 241        | 245        | 0.0               | 0.766 | 1.0 | 68.2 | -15.3 | -44.6 | 47.3                        | 251 | 0.0 | 0.819 | 1.0 | 71.6 | -21.8             | -39.4 | 45.1 | 241                         | 0.0 | 0.483 | 1.0            |       | 0.0 | 0.798             | 1.0 | 70.3 | -19.3                       | -41.6 | 46.0 | 245            | 0.0 | 0.483 | 1.0          |              |              |  |  |
| 252                                                                                                                                                                                                                                                                                                                                                                                                                 | 242        | 246        | 0.0               | 0.761 | 1.0 | 67.9 | -14.6 | -45.1 | 47.5                        | 252 | 0.0 | 0.814 | 1.0 | 71.3 | -21.2             | -39.9 | 45.3 | 242                         | 0.0 | 0.467 | 1.0            |       | 0.0 | 0.793             | 1.0 | 69.9 | -18.7                       | -42.1 | 46.2 | 246            | 0.0 | 0.467 | 1.0          |              |              |  |  |
| 253                                                                                                                                                                                                                                                                                                                                                                                                                 | 243        | 247        | 0.0               | 0.756 | 1.0 | 67.6 | -13.9 | -45.6 | 47.7                        | 253 | 0.0 | 0.809 | 1.0 | 71.0 | -20.6             | -40.5 | 45.5 | 243                         | 0.0 | 0.45  | 1.0            |       | 0.0 | 0.788             | 1.0 | 69.6 | -18.0                       | -42.6 | 46.4 | 247            | 0.0 | 0.45  | 1.0          |              |              |  |  |
| 254                                                                                                                                                                                                                                                                                                                                                                                                                 | 244        | 248        | 0.0               | 0.751 | 1.0 | 67.2 | -13.1 | -46.0 | 48.0                        | 254 | 0.0 | 0.803 | 1.0 | 70.6 | -20.0             | -41.0 | 45.8 | 244                         | 0.0 | 0.433 | 1.0            |       | 0.0 | 0.782             | 1.0 | 69.3 | -17.4                       | -43.2 | 46.6 | 248            | 0.0 | 0.433 | 1.0          |              |              |  |  |
| 255                                                                                                                                                                                                                                                                                                                                                                                                                 | 245        | 249        | 0.0               | 0.743 | 1.0 | 66.8 | -12.5 | -46.8 | 48.5                        | 255 | 0.0 | 0.798 | 1.0 | 70.3 | -19.3             | -41.6 | 46.0 | 245                         | 0.0 | 0.417 | 1.0            |       | 0.0 | 0.777             | 1.0 | 68.9 | -16.7                       | -43.7 | 46.9 | 249            | 0.0 | 0.417 | 1.0          |              |              |  |  |
| 256                                                                                                                                                                                                                                                                                                                                                                                                                 | 246        | 250        | 0.0               | 0.736 | 1.0 | 66.4 | -11.8 | -47.5 | 49.1                        | 256 | 0.0 | 0.793 | 1.0 | 69.9 | -18.7             | -42.1 | 46.2 | 246                         | 0.0 | 0.4   | 1.0            |       | 0.0 | 0.772             | 1.0 | 68.6 | -16.0                       | -44.1 | 47.1 | 250            | 0.0 | 0.4   | 1.0          |              |              |  |  |
| 257                                                                                                                                                                                                                                                                                                                                                                                                                 | 247        | 251        | 0.0               | 0.728 | 1.0 | 66.0 | -11.1 | -48.3 | 49.7                        | 257 | 0.0 |       |     |      |                   |       |      |                             |     |       |                |       |     |                   |     |      |                             |       |      |                |     |       |              |              |              |  |  |

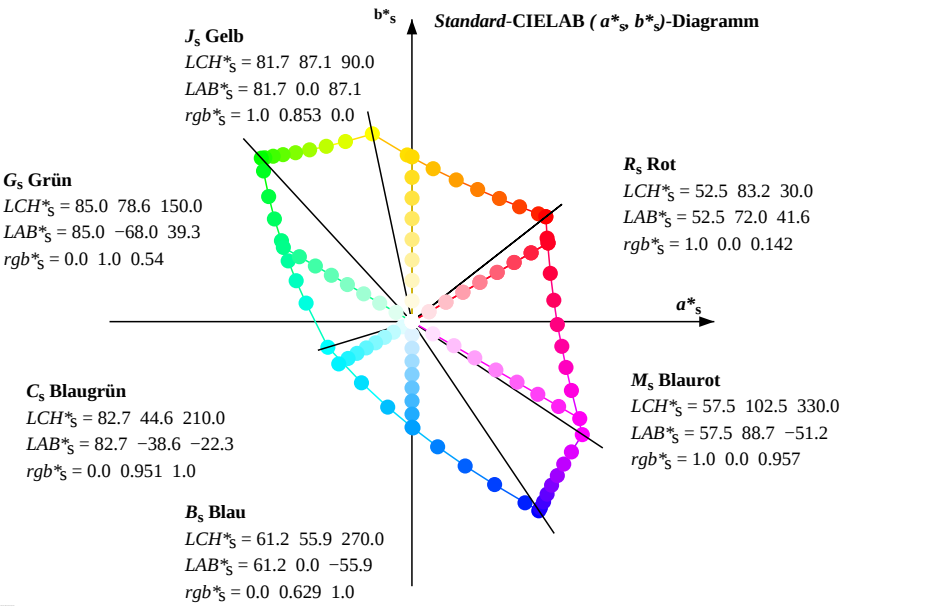
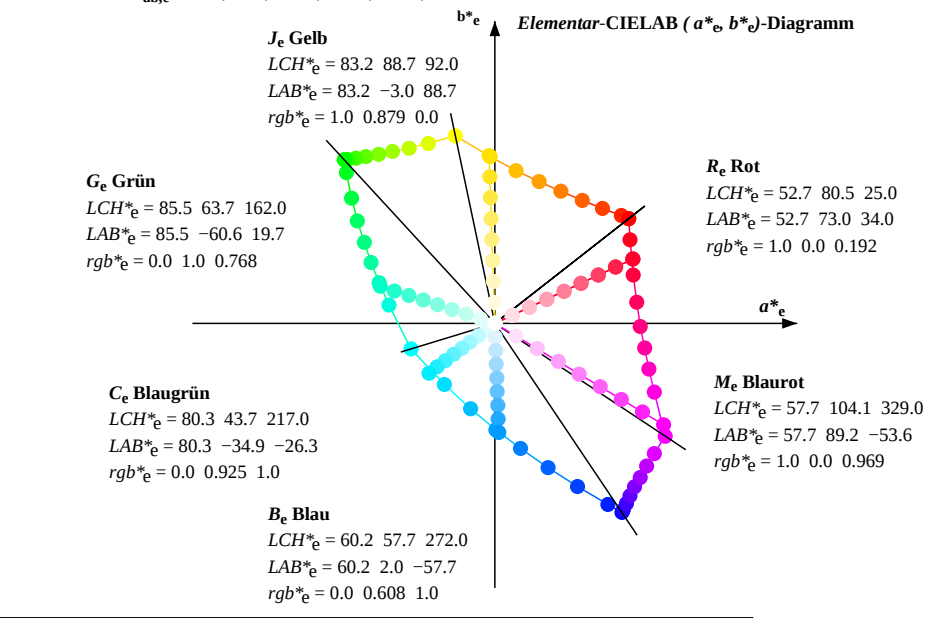
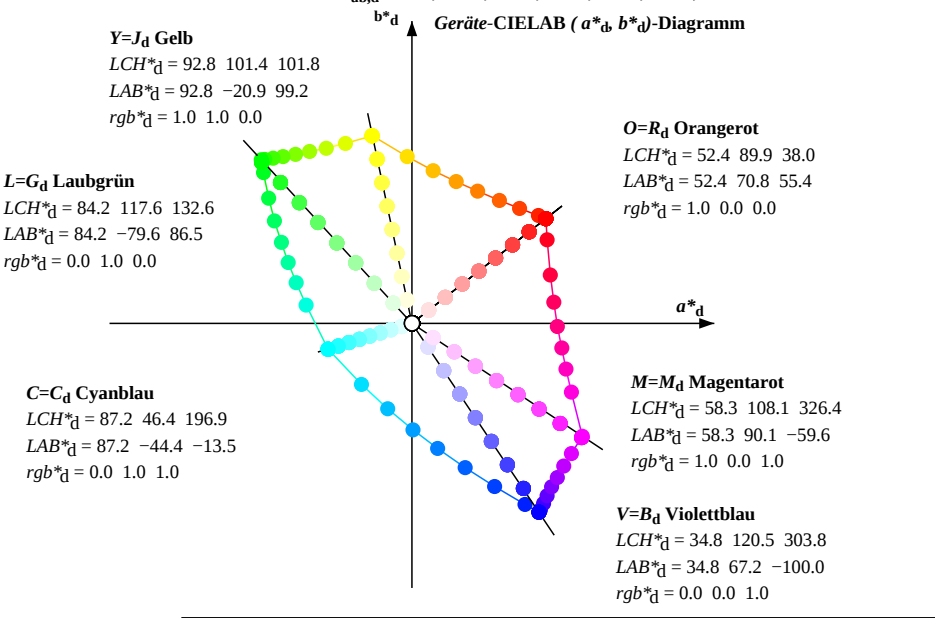
Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 40.9, 101.6, 132.0, 196.9, 304.9, 326.6$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| h <sub>ab</sub> ,d |     |     | h <sub>ab</sub> ,s |       |     | h <sub>ab</sub> ,e |      |       | rgb* <sub>dd</sub> 361Mi |     |     |       | LAB* <sub>dd</sub> 361Mix (x=LabCh) |      |       |       | rgb* <sub>ds</sub> 361Mi |     |     |       | LAB* <sub>ds</sub> 361Mix (x=LabCh) |     |       |     | rgb* <sub>s50M</sub> |       |       |      | rgb* <sub>de</sub> 361Mi |     |       |     | LAB* <sub>de</sub> 361Mix (x=LabCh) |       |     |      | rgb* <sub>e50M</sub> |       |      |     | rgb* <sub>dd</sub> 361Mi |       |     |  | rgb* <sub>ds</sub> 361Mi |  |  |  | rgb* <sub>de</sub> 361Mi |  |  |  |
|--------------------|-----|-----|--------------------|-------|-----|--------------------|------|-------|--------------------------|-----|-----|-------|-------------------------------------|------|-------|-------|--------------------------|-----|-----|-------|-------------------------------------|-----|-------|-----|----------------------|-------|-------|------|--------------------------|-----|-------|-----|-------------------------------------|-------|-----|------|----------------------|-------|------|-----|--------------------------|-------|-----|--|--------------------------|--|--|--|--------------------------|--|--|--|
| 265                | 255 | 258 | 0.0                | 0.667 | 1.0 | 62.6               | -4.6 | -54.0 | 54.3                     | 265 | 0.0 | 0.743 | 1.0                                 | 66.8 | -12.5 | -46.8 | 48.5                     | 255 | 0.0 | 0.25  | 1.0                                 | 0.0 | 0.72  | 1.0 | 65.5                 | -10.3 | -49.1 | 50.3 | 258                      | 0.0 | 0.25  | 1.0 | 0.0                                 | 0.72  | 1.0 | 65.5 | -10.3                | -49.1 | 50.3 | 258 | 0.0                      | 0.25  | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 266                | 256 | 259 | 0.0                | 0.66  | 1.0 | 62.2               | -3.7 | -54.7 | 54.9                     | 266 | 0.0 | 0.736 | 1.0                                 | 66.4 | -11.8 | -47.5 | 49.1                     | 256 | 0.0 | 0.233 | 1.0                                 | 0.0 | 0.713 | 1.0 | 65.1                 | -9.6  | -49.8 | 50.8 | 259                      | 0.0 | 0.233 | 1.0 | 0.0                                 | 0.713 | 1.0 | 65.1 | -9.6                 | -49.8 | 50.8 | 259 | 0.0                      | 0.233 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 267                | 257 | 260 | 0.0                | 0.652 | 1.0 | 61.7               | -2.8 | -55.3 | 55.5                     | 267 | 0.0 | 0.728 | 1.0                                 | 66.0 | -11.1 | -48.3 | 49.7                     | 257 | 0.0 | 0.217 | 1.0                                 | 0.0 | 0.705 | 1.0 | 64.7                 | -8.8  | -50.5 | 51.4 | 260                      | 0.0 | 0.217 | 1.0 | 0.0                                 | 0.705 | 1.0 | 64.7 | -8.8                 | -50.5 | 51.4 | 260 | 0.0                      | 0.217 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 268                | 258 | 261 | 0.0                | 0.644 | 1.0 | 61.3               | -1.9 | -55.9 | 56.1                     | 268 | 0.0 | 0.72  | 1.0                                 | 65.5 | -10.3 | -49.1 | 50.3                     | 258 | 0.0 | 0.2   | 1.0                                 | 0.0 | 0.698 | 1.0 | 64.3                 | -8.0  | -51.3 | 52.0 | 261                      | 0.0 | 0.2   | 1.0 | 0.0                                 | 0.698 | 1.0 | 64.3 | -8.0                 | -51.3 | 52.0 | 261 | 0.0                      | 0.2   | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 269                | 259 | 262 | 0.0                | 0.637 | 1.0 | 60.9               | -0.9 | -56.5 | 56.7                     | 269 | 0.0 | 0.713 | 1.0                                 | 65.1 | -9.6  | -49.8 | 50.8                     | 259 | 0.0 | 0.183 | 1.0                                 | 0.0 | 0.69  | 1.0 | 63.9                 | -7.2  | -52.0 | 52.6 | 262                      | 0.0 | 0.183 | 1.0 | 0.0                                 | 0.69  | 1.0 | 63.9 | -7.2                 | -52.0 | 52.6 | 262 | 0.0                      | 0.183 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 270                | 260 | 263 | 0.0                | 0.629 | 1.0 | 60.5               | 0.0  | -57.1 | 57.2                     | 270 | 0.0 | 0.705 | 1.0                                 | 64.7 | -8.8  | -50.5 | 51.4                     | 260 | 0.0 | 0.167 | 1.0                                 | 0.0 | 0.682 | 1.0 | 63.4                 | -6.4  | -52.7 | 53.2 | 263                      | 0.0 | 0.167 | 1.0 | 0.0                                 | 0.682 | 1.0 | 63.4 | -6.4                 | -52.7 | 53.2 | 263 | 0.0                      | 0.167 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 271                | 261 | 264 | 0.0                | 0.62  | 1.0 | 60.0               | 1.0  | -57.9 | 58.0                     | 271 | 0.0 | 0.698 | 1.0                                 | 64.3 | -8.0  | -51.3 | 52.0                     | 261 | 0.0 | 0.15  | 1.0                                 | 0.0 | 0.675 | 1.0 | 63.0                 | -5.5  | -53.3 | 53.7 | 264                      | 0.0 | 0.15  | 1.0 | 0.0                                 | 0.675 | 1.0 | 63.0 | -5.5                 | -53.3 | 53.7 | 264 | 0.0                      | 0.15  | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 272                | 262 | 264 | 0.0                | 0.609 | 1.0 | 59.4               | 2.1  | -58.9 | 59.1                     | 272 | 0.0 | 0.69  | 1.0                                 | 63.9 | -7.2  | -52.0 | 52.6                     | 262 | 0.0 | 0.133 | 1.0                                 | 0.0 | 0.675 | 1.0 | 63.0                 | -5.5  | -53.3 | 53.7 | 264                      | 0.0 | 0.133 | 1.0 | 0.0                                 | 0.675 | 1.0 | 63.0 | -5.5                 | -53.3 | 53.7 | 264 | 0.0                      | 0.133 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 273                | 263 | 265 | 0.0                | 0.598 | 1.0 | 58.9               | 3.1  | -59.9 | 60.1                     | 273 | 0.0 | 0.682 | 1.0                                 | 63.4 | -6.4  | -52.7 | 53.2                     | 263 | 0.0 | 0.117 | 1.0                                 | 0.0 | 0.667 | 1.0 | 62.6                 | -4.6  | -54.0 | 54.3 | 265                      | 0.0 | 0.117 | 1.0 | 0.0                                 | 0.667 | 1.0 | 62.6 | -4.6                 | -54.0 | 54.3 | 265 | 0.0                      | 0.117 | 1.0 |  |                          |  |  |  |                          |  |  |  |
| 274                | 264 | 266 | 0.0                | 0.587 | 1.0 | 58.3               | 4.3  | -60.9 | 61.2                     | 274 | 0.0 | 0.675 | 1.0                                 | 63.0 | -5.5  | -53.3 | 53.7                     | 264 | 0.0 | 0.1   | 1.0                                 | 0.0 | 0.66  | 1.0 | 62.2                 | -3.7  | -54.7 | 54.9 | 266                      | 0.0 | 0.1   | 1.0 | 0.0                                 | 0.66  | 1.0 | 62.2 | -3.7                 | -54.7 | 54.9 | 266 | 0.0                      | 0.1   | 1.0 |  |                          |  |  |  |                          |  |  |  |





Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 38.0, 101.9, 132.6, 196.9, 303.9, 326.5$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



- Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**
- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
 $h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ]$  (1)
  - Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (3)
  - Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (5)
  - Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
  - Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: h <sub>ab,s</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechs Bunntonwinkel der Gerätefarben d: h <sub>ab,d</sub> = 38.0, 101.9, 132.6, 196.9, 303.9, 326.5; Sechs Bunntonwinkel der Elementarfarben e: h <sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6 |       |       |                   |       |       |                   |       |        |                        |       |       |                                   |       |      |                        |       |       |                                   |       |       |                      |       |       |                        |      |       |                                   |       |      |                      |       |       |                                                          |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------------------|-------|-------|-------------------|-------|--------|------------------------|-------|-------|-----------------------------------|-------|------|------------------------|-------|-------|-----------------------------------|-------|-------|----------------------|-------|-------|------------------------|------|-------|-----------------------------------|-------|------|----------------------|-------|-------|----------------------------------------------------------|--|--|--|
| h <sub>ab,d</sub>                                                                                                                                                                                                                                                                                                                                                                                                                             |       |       | h <sub>ab,s</sub> |       |       | h <sub>ab,e</sub> |       |        | rgb* <sub>dd</sub> 50M |       |       | LAB* <sub>dd</sub> 50Mx (x=LabCh) |       |      | rgb* <sub>ds</sub> 50M |       |       | LAB* <sub>ds</sub> 50Mx (x=LabCh) |       |       | rgb* <sub>s50M</sub> |       |       | rgb* <sub>de</sub> 50M |      |       | LAB* <sub>de</sub> 50Mx (x=LabCh) |       |      | rgb* <sub>e50M</sub> |       |       | rgb* <sub>dd</sub> rgb* <sub>ds</sub> rgb* <sub>de</sub> |  |  |  |
| 38.0                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0  | 25.5  | 1.0               | 0.0   | 0.0   | 52.4              | 70.9  | 55.5   | 90.0                   | 38.0  | 1.0   | 0.0                               | 0.142 | 52.6 | 72.1                   | 41.6  | 83.2  | 30                                | 1.0   | 0.0   | 0.0                  | 1.0   | 0.0   | 0.193                  | 52.7 | 73.0  | 34.1                              | 80.6  | 25   | 1.0                  | 0.0   | 0.0   |                                                          |  |  |  |
| 40.5                                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5  | 33.8  | 1.0               | 0.125 | 0.0   | 53.8              | 66.9  | 57.0   | 87.9                   | 40.5  | 1.0   | 0.0                               | 0.001 | 52.4 | 70.9                   | 55.4  | 89.9  | 38                                | 1.0   | 0.125 | 0.0                  | 1.0   | 0.0   | 0.08                   | 52.5 | 71.5  | 48.2                              | 86.2  | 34   | 1.0                  | 0.125 | 0.0   |                                                          |  |  |  |
| 46.8                                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0  | 42.2  | 1.0               | 0.25  | 0.0   | 57.3              | 57.0  | 60.8   | 83.4                   | 46.8  | 1.0   | 0.214                             | 0.0   | 56.3 | 59.9                   | 59.9  | 84.7  | 45                                | 1.0   | 0.25  | 0.0                  | 1.0   | 0.155 | 0.0                    | 54.6 | 64.5  | 58.1                              | 86.8  | 42   | 1.0                  | 0.25  | 0.0   |                                                          |  |  |  |
| 54.6                                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5  | 50.5  | 1.0               | 0.375 | 0.0   | 61.3              | 46.2  | 65.1   | 79.9                   | 54.6  | 1.0   | 0.349                             | 0.0   | 60.5 | 48.5                   | 64.4  | 80.6  | 53                                | 1.0   | 0.375 | 0.0                  | 1.0   | 0.317 | 0.0                    | 59.5 | 51.3  | 63.3                              | 81.5  | 51   | 1.0                  | 0.375 | 0.0   |                                                          |  |  |  |
| 63.5                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0  | 58.9  | 1.0               | 0.5   | 0.0   | 65.9              | 34.8  | 70.0   | 78.2                   | 63.5  | 1.0   | 0.45                              | 0.0   | 64.1 | 39.4                   | 68.3  | 78.8  | 60                                | 1.0   | 0.5   | 0.0                  | 1.0   | 0.436 | 0.0                    | 63.6 | 40.7  | 67.7                              | 79.0  | 59   | 1.0                  | 0.5   | 0.0   |                                                          |  |  |  |
| 72.6                                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5  | 67.2  | 1.0               | 0.625 | 0.0   | 70.7              | 23.5  | 75.0   | 78.5                   | 72.6  | 1.0   | 0.562                             | 0.0   | 68.2 | 29.4                   | 72.6  | 78.3  | 68                                | 1.0   | 0.625 | 0.0                  | 1.0   | 0.548 | 0.0                    | 67.7 | 30.6  | 72.1                              | 78.3  | 67   | 1.0                  | 0.625 | 0.0   |                                                          |  |  |  |
| 82.1                                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0  | 75.6  | 1.0               | 0.75  | 0.0   | 76.2              | 11.2  | 80.9   | 81.7                   | 82.1  | 1.0   | 0.656                             | 0.0   | 72.1 | 20.5                   | 76.6  | 79.3  | 75                                | 1.0   | 0.75  | 0.0                  | 1.0   | 0.67  | 0.0                    | 72.6 | 19.3  | 77.3                              | 79.7  | 76   | 1.0                  | 0.75  | 0.0   |                                                          |  |  |  |
| 91.6                                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5  | 84.0  | 1.0               | 0.875 | 0.0   | 82.9              | -2.4  | 88.2   | 88.3                   | 91.6  | 1.0   | 0.762                             | 0.0   | 76.8 | 10.0                   | 81.7  | 82.3  | 83                                | 1.0   | 0.875 | 0.0                  | 1.0   | 0.775 | 0.0                    | 77.5 | 8.7   | 82.5                              | 83.0  | 84   | 1.0                  | 0.875 | 0.0   |                                                          |  |  |  |
| 101.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0  | 92.3  | 1.0               | 1.0   | 0.0   | 92.9              | -20.8 | 99.3   | 101.5                  | 101.9 | 1.0   | 0.854                             | 0.0   | 81.8 | 0.0                    | 87.2  | 87.2  | 90                                | 1.0   | 1.0   | 0.0                  | 1.0   | 0.88  | 0.0                    | 83.3 | -3.0  | 88.7                              | 88.8  | 92   | 1.0                  | 1.0   | 0.0   |                                                          |  |  |  |
| 110.3                                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5  | 101.1 | 0.875             | 1.0   | 0.0   | 90.2              | -35.1 | 95.2   | 101.6                  | 110.3 | 1.0   | 0.953                             | 0.0   | 89.1 | -13.3                  | 95.5  | 96.5  | 98                                | 0.875 | 1.0   | 0.0                  | 1.0   | 0.989 | 0.0                    | 92.0 | -19.0 | 98.5                              | 100.3 | 101  | 0.875                | 1.0   | 0.0   |                                                          |  |  |  |
| 116.0                                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0 | 109.8 | 0.75              | 1.0   | 0.0   | 88.6              | -45.2 | 92.8   | 103.2                  | 116.0 | 0.954 | 1.0                               | 0.0   | 91.9 | -26.2                  | 98.0  | 101.5 | 105                               | 0.75  | 1.0   | 0.0                  | 0.88  | 1.0   | 0.0                    | 90.3 | -34.6 | 95.4                              | 101.6 | 110  | 0.75                 | 1.0   | 0.0   |                                                          |  |  |  |
| 120.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5 | 118.5 | 0.625             | 1.0   | 0.0   | 87.3              | -54.0 | 90.9   | 105.8                  | 120.8 | 0.816 | 1.0                               | 0.0   | 89.4 | -39.9                  | 94.2  | 102.3 | 113                               | 0.625 | 1.0   | 0.0                  | 0.672 | 1.0   | 0.0                    | 87.8 | -50.7 | 91.7                              | 104.8 | 119  | 0.625                | 1.0   | 0.0   |                                                          |  |  |  |
| 124.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0 | 127.3 | 0.5               | 1.0   | 0.0   | 86.4              | -61.4 | 89.4   | 108.5                  | 124.5 | 0.645 | 1.0                               | 0.0   | 87.6 | -52.6                  | 91.3  | 105.4 | 120                               | 0.5   | 1.0   | 0.0                  | 0.401 | 1.0   | 0.0                    | 85.8 | -66.7 | 88.6                              | 110.9 | 127  | 0.5                  | 1.0   | 0.0   |                                                          |  |  |  |
| 127.7                                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5 | 136.0 | 0.375             | 1.0   | 0.0   | 85.6              | -68.0 | 88.3   | 111.6                  | 127.7 | 0.356 | 1.0                               | 0.0   | 85.5 | -68.8                  | 88.2  | 111.9 | 128                               | 0.375 | 1.0   | 0.0                  | 0.0   | 1.0   | 0.166                  | 84.4 | -77.7 | 75.2                              | 108.2 | 136  | 0.375                | 1.0   | 0.0   |                                                          |  |  |  |
| 130.0                                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0 | 144.7 | 0.25              | 1.0   | 0.0   | 85.0              | -73.3 | 87.4   | 114.1                  | 130.0 | 0.0   | 1.0                               | 0.137 | 84.4 | -78.3                  | 78.4  | 110.9 | 135                               | 0.25  | 1.0   | 0.0                  | 0.0   | 1.0   | 0.419                  | 84.8 | -71.5 | 50.1                              | 87.4  | 145  | 0.25                 | 1.0   | 0.0   |                                                          |  |  |  |
| 131.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5 | 153.5 | 0.125             | 1.0   | 0.0   | 84.5              | -77.7 | 86.7   | 116.5                  | 131.9 | 0.0   | 1.0                               | 0.367 | 84.7 | -72.8                  | 55.0  | 91.3  | 143                               | 0.125 | 1.0   | 0.0                  | 0.0   | 1.0   | 0.607                  | 85.2 | -65.9 | 33.7                              | 74.1  | 153  | 0.125                | 1.0   | 0.0   |                                                          |  |  |  |
| 132.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0 | 162.2 | 0.0               | 1.0   | 0.0   | 84.3              | -79.6 | 86.5   | 117.6                  | 132.6 | 0.0   | 1.0                               | 0.54  | 85.0 | -68.0                  | 39.3  | 78.6  | 150                               | 0.0   | 1.0   | 0.0                  | 0.0   | 1.0   | 0.769                  | 85.6 | -60.5 | 19.7                              | 63.8  | 162  | 0.0                  | 1.0   | 0.0   |                                                          |  |  |  |
| 134.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5 | 169.1 | 0.0               | 1.0   | 0.125 | 84.3              | -78.5 | 79.7   | 112.0                  | 134.6 | 0.0   | 1.0                               | 0.702 | 85.4 | -62.9                  | 25.5  | 68.0  | 158                               | 0.0   | 1.0   | 0.125                | 0.0   | 1.0   | 0.861                  | 85.9 | -56.6 | 11.0                              | 57.8  | 169  | 0.0                  | 1.0   | 0.125 |                                                          |  |  |  |
| 138.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0 | 175.9 | 0.0               | 1.0   | 0.25  | 84.5              | -75.6 | 66.2   | 100.6                  | 138.8 | 0.0   | 1.0                               | 0.808 | 85.7 | -59.0                  | 15.8  | 61.2  | 165                               | 0.0   | 1.0   | 0.25                 | 0.0   | 1.0   | 0.903                  | 86.3 | -54.3 | 3.8                               | 54.6  | 176  | 0.0                  | 1.0   | 0.25  |                                                          |  |  |  |
| 143.3                                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5 | 182.8 | 0.0               | 1.0   | 0.375 | 84.7              | -72.6 | 54.3   | 90.7                   | 143.3 | 0.0   | 1.0                               | 0.889 | 86.1 | -55.2                  | 6.8   | 55.7  | 173                               | 0.0   | 1.0   | 0.375                | 0.0   | 1.0   | 0.935                  | 86.6 | -51.7 | -2.6                              | 51.9  | 183  | 0.0                  | 1.0   | 0.375 |                                                          |  |  |  |
| 148.2                                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0 | 189.6 | 0.0               | 1.0   | 0.5   | 84.9              | -69.0 | 42.8   | 81.3                   | 148.2 | 0.0   | 1.0                               | 0.921 | 86.5 | -52.9                  | 0.0   | 53.0  | 180                               | 0.0   | 1.0   | 0.5                  | 0.0   | 1.0   | 0.968                  | 86.9 | -48.3 | -8.4                              | 49.1  | 190  | 0.0                  | 1.0   | 0.5   |                                                          |  |  |  |
| 153.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5 | 196.4 | 0.0               | 1.0   | 0.625 | 85.2              | -65.3 | 32.2   | 72.9                   | 153.8 | 0.0   | 1.0                               | 0.958 | 86.8 | -49.3                  | -6.8  | 49.9  | 188                               | 0.0   | 1.0   | 0.625                | 0.0   | 1.0   | 0.996                  | 87.2 | -44.9 | -12.8                             | 46.8  | 196  | 0.0                  | 1.0   | 0.625 |                                                          |  |  |  |
| 160.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0 | 203.3 | 0.0               | 1.0   | 0.75  | 85.5              | -61.2 | 21.6   | 65.0                   | 160.6 | 0.0   | 1.0                               | 0.991 | 87.1 | -45.5                  | -12.1 | 47.2  | 195                               | 0.0   | 1.0   | 0.75                 | 0.0   | 1.0   | 0.977                  | 1.0  | 85.1  | -41.9                             | -17.7 | 45.6 | 203                  | 0.0   | 1.0   | 0.75                                                     |  |  |  |
| 170.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5 | 210.1 | 0.0               | 1.0   | 0.875 | 86.0              | -55.9 | 9.8    | 56.9                   | 170.1 | 0.0   | 0.977                             | 1.0   | 85.1 | -41.9                  | -17.7 | 45.6  | 203                               | 0.0   | 1.0   | 0.875                | 0.0   | 1.0   | 0.951                  | 1.0  | 82.7  | -38.6                             | -22.2 | 44.7 | 210                  | 0.0   | 1.0   | 0.875                                                    |  |  |  |
| 196.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0 | 217.0 | 0.0               | 1.0   | 1.0   | 87.2              | -44.3 | -13.4  | 46.4                   | 196.9 | 0.0   | 0.951                             | 1.0   | 82.7 | -38.6                  | -22.2 | 44.7  | 210                               | 0.0   | 1.0   | 1.0                  | 0.0   | 0.925 | 1.0                    | 80.3 | -34.8 | -26.2                             | 43.7  | 217  | 0.0                  | 1.0   | 1.0   |                                                          |  |  |  |
| 230.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5 | 223.8 | 0.0               | 0.875 | 1.0   | 75.6              | -26.5 | -32.3  | 41.9                   | 230.6 | 0.0   | 0.922                             | 1.0   | 80.0 | -34.3                  | -26.7 | 43.6  | 218                               | 0.0   | 0.875 | 1.0                  | 0.0   | 0.899 | 1.0                    | 77.9 | -30.7 | -29.6                             | 42.8  | 224  | 0.0                  | 0.875 | 1.0   |                                                          |  |  |  |
| 254.3                                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0 | 230.7 | 0.0               | 0.75  | 1.0   | 67.7              | -12.7 | -45.1  | 47.0                   | 254.3 | 0.0   | 0.896                             | 1.0   | 77.5 | -30.1                  | -30.1 | 42.6  | 225                               | 0.0   | 0.75  | 1.0                  | 0.0   | 0.873 | 1.0                    | 75.5 | -26.3 | -32.5                             | 42.0  | 231  | 0.0                  | 0.75  | 1.0   |                                                          |  |  |  |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5 | 237.5 | 0.0               | 0.625 | 1.0   | 61.0              | 0.5   | -56.2  | 56.3                   | 270.5 | 0.0   | 0.862                             | 1.0   | 74.8 | -25.4                  | -33.8 | 42.4  | 233                               | 0.0   | 0.625 | 1.0                  | 0.0   | 0.836 | 1.0                    | 73.1 | -23.0 | -36.8                             | 43.5  | 238  | 0.0                  | 0.625 | 1.0   |                                                          |  |  |  |
| 281.7                                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0 | 244.4 | 0.0               | 0.5   | 1.0   | 55.0              | 13.7  | -66.1  | 67.6                   | 281.7 | 0.0   | 0.825                             | 1.0   | 72.5 | -21.9                  | -37.9 | 43.9  | 240                               | 0.0   | 0.5   | 1.0                  | 0.0   | 0.804 | 1.0                    | 71.1 | -19.5 | -40.2                             | 44.8  | 244  | 0.0                  | 0.5   | 1.0   |                                                          |  |  |  |
| 290.2                                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5 | 251.2 | 0.0               | 0.375 | 1.0   | 48.9              | 28.1  | -76.2  | 81.3                   | 290.2 | 0.0   | 0.783                             | 1.0   | 69.8 | -17.0                  | -42.2 | 45.7  | 248                               | 0.0   | 0.375 | 1.0                  | 0.0   | 0.767 | 1.0                    | 68.8 | -15.0 | -43.7                             | 46.3  | 251  | 0.0                  | 0.375 | 1.0   |                                                          |  |  |  |
| 296.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0 | 258.0 | 0.0               | 0.25  | 1.0   | 42.9              | 43.8  | -86.2  | 96.8                   | 296.9 | 0.0   | 0.744                             | 1.0   | 67.4 | -12.2                  | -45.7 | 47.4  | 255                               | 0.0   | 0.25  | 1.0                  | 0.0   | 0.721 | 1.0                    | 66.2 | -10.1 | -48.0                             | 49.1  | 258  | 0.0                  | 0.25  | 1.0   |                                                          |  |  |  |
| 302.0                                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5 | 264.9 | 0.0               | 0.125 | 1.0   | 37.3              | 59.8  | -95.7  | 112.9                  | 302.0 | 0.0   | 0.683                             | 1.0   | 64.1 | -6.2                   | -51.5 | 52.0  | 263                               | 0.0   | 0.125 | 1.0                  | 0.0   | 0.667 | 1.0                    | 63.3 | -4.5  | -52.8                             | 53.1  | 265  | 0.0                  | 0.125 | 1.0   |                                                          |  |  |  |
| 303.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0 | 271.7 | 0.0               | 0.0   | 1.0   | 34.8              | 67.2  | -100.0 | 120.5                  | 303.9 | 0.0   | 0.629                             | 1.0   | 61.2 | 0.0                    | -55.9 | 56.0  | 270                               | 0.0   | 0.0   | 1.0                  | 0.0   | 0.609 | 1.0                    | 60.2 | 2.0   | -57.6                             | 57.8  | 272  | 0.0                  | 0.0   | 1.0   |                                                          |  |  |  |
| 304.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 277.5 | 278.8 | 0.125             | 0.0   | 1.0   | 35.6              | 67.9  | -98.5  | 119.7                  | 304.6 | 0.0   | 0.541                             | 1.0   | 57.0 | 8.9                    | -63.2 | 63.9  | 278                               | 0.125 | 0.0   | 1.0                  | 0.0   | 0.53  | 1.0                    | 56.4 | 10.2  | -64.0                             | 64.9  | 279  | 0.125                | 0.0   | 1.0   |                                                          |  |  |  |
| 306.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 285.0 | 286.0 | 0.25              | 0.0   | 1.0   | 37.5              | 69.6  | -95.2  | 118.0                  | 306.1 | 0.0   | 0.451                             | 1.0   | 52.6 | 18.9                   | -70.4 | 73.0  | 285                               | 0.25  | 0.0   | 1.0                  | 0.0   | 0.437 | 1.0                    | 51.9 | 20.6  | -71.6                             | 74.6  | 286  | 0.25                 | 0.0   | 1.0   |                                                          |  |  |  |
| 308.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 292.5 | 293.1 | 0.375             | 0.0   | 1.0   | 39.8              | 71.5  | -91.2  | 116.0                  | 308.1 | 0.0   | 0.323                             | 1.0   | 46.4 | 34.3                   | -80.7 | 87.8  | 293                               | 0.375 | 0.0   | 1.0                  | 0.0   | 0.323 | 1.0                    | 46.4 | 34.3  | -80.7                             | 87.8  | 293  | 0.375                | 0.0   | 1.0   |                                                          |  |  |  |
| 310.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300.0 | 300.2 | 0.5               | 0.0   | 1.0   | 42.6              | 73.9  | -86.4  | 113.8                  | 310.5 | 0.0   | 0.174                             | 1.0   | 39.5 | 53.3                   | -92.3 | 106.7 | 300                               | 0.5   | 0.0   | 1.0                  | 0.0   | 0.174 | 1.0                    | 39.5 | 53.3  | -92.3                             | 106.7 | 300  | 0.5                  | 0.0   | 1.0   |                                                          |  |  |  |



Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Buntonwinkel der Gerätefarben d:  $h_{ab,d} = 38.0, 101.9, 132.6, 196.9, 303.9, 326.5$ ; Sechs Buntonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]





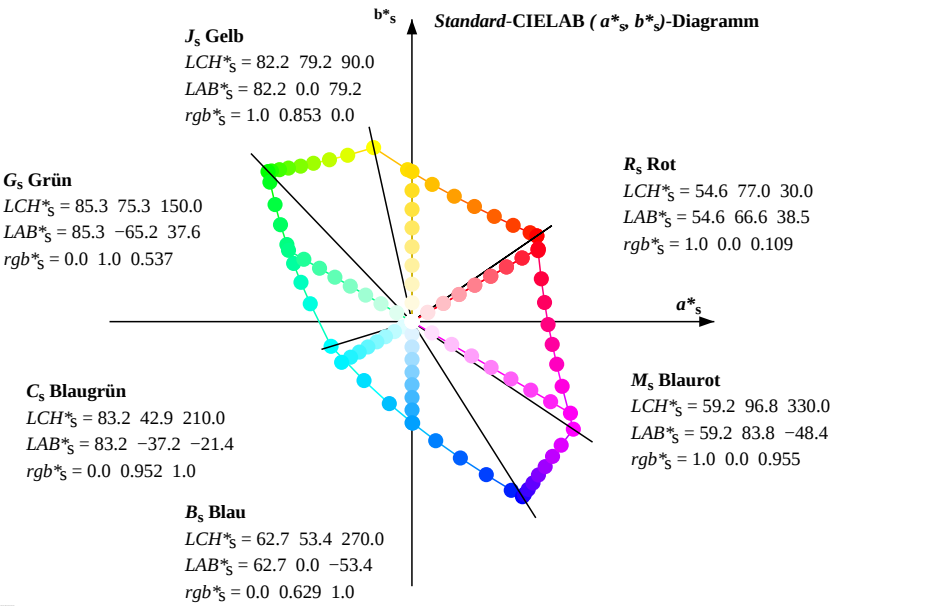
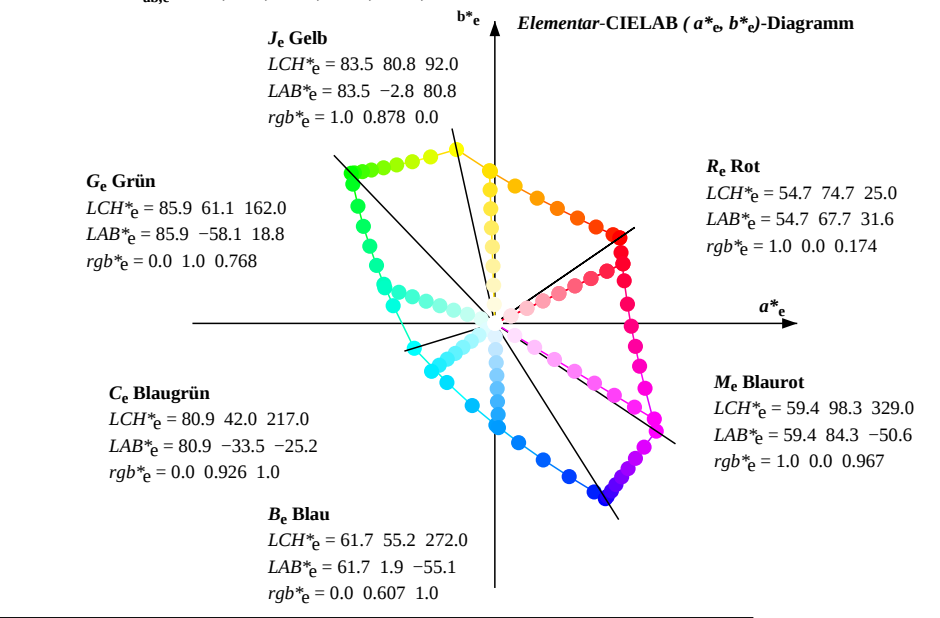
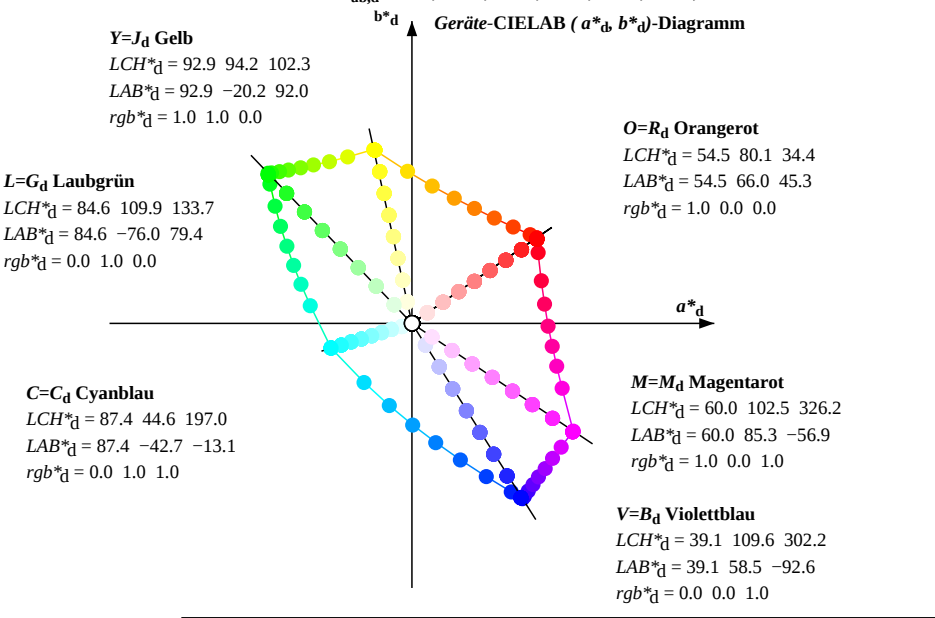








Daten der Maximalfarbe M im Farbmietrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 34.5, 102.4, 133.8, 197.0, 302.3, 326.3$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



**Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
 $h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ]$  (1)
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (3)
- Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (5)
- Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne





Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 34.5, 102.4, 133.8, 197.0, 302.3, 326.3$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Buntonwinkel der Gerätefarben d:  $h_{ab,d} = 34.5, 102.4, 133.8, 197.0, 302.3, 326.3$ ; Sechs Buntonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |     |       |      | $LAB^*_{dd361Mix(x=LabCh)}$ |      |       |     | $rgb^*_{ds361Mi}$ |     |       |      | $LAB^*_{ds361Mix(x=LabCh)}$ |      |       |     | $rgb^*_{s50M}$ |     |       |       | $rgb^*_{de361Mi}$ |       |      |       | $LAB^*_{de361Mix(x=LabCh)}$ |       |     |       | $rgb^*_{e50M}$ |       |  |  | $rgb^*_d$ | $rgb^*_s$ | $rgb^*_e$ |
|------------|------------|------------|-------------------|-----|-------|------|-----------------------------|------|-------|-----|-------------------|-----|-------|------|-----------------------------|------|-------|-----|----------------|-----|-------|-------|-------------------|-------|------|-------|-----------------------------|-------|-----|-------|----------------|-------|--|--|-----------|-----------|-----------|
| 124        | 120        | 127        | 0.553             | 1.0 | 0.0   | 87.1 | -55.9                       | 83.0 | 100.1 | 124 | 0.672             | 1.0 | 0.0   | 88.1 | -48.7                       | 84.6 | 97.7  | 120 | 0.5            | 1.0 | 0.0   | 0.445 | 1.0               | 0.0   | 86.3 | -61.6 | 81.9                        | 102.6 | 127 | 0.5   | 1.0            | 0.0   |  |  |           |           |           |
| 125        | 121        | 128        | 0.52              | 1.0 | 0.0   | 86.8 | -57.7                       | 82.6 | 100.8 | 125 | 0.646             | 1.0 | 0.0   | 87.8 | -50.5                       | 84.2 | 98.2  | 121 | 0.483          | 1.0 | 0.0   | 0.406 | 1.0               | 0.0   | 86.1 | -63.6 | 81.5                        | 103.5 | 128 | 0.483 | 1.0            | 0.0   |  |  |           |           |           |
| 126        | 122        | 130        | 0.485             | 1.0 | 0.0   | 86.6 | -59.6                       | 82.2 | 101.6 | 126 | 0.619             | 1.0 | 0.0   | 87.6 | -52.2                       | 83.7 | 98.7  | 122 | 0.467          | 1.0 | 0.0   | 0.31  | 1.0               | 0.0   | 85.6 | -67.7 | 80.8                        | 105.5 | 130 | 0.467 | 1.0            | 0.0   |  |  |           |           |           |
| 127        | 123        | 131        | 0.445             | 1.0 | 0.0   | 86.3 | -61.6                       | 81.9 | 102.6 | 127 | 0.586             | 1.0 | 0.0   | 87.3 | -54.1                       | 83.4 | 99.4  | 123 | 0.45           | 1.0 | 0.0   | 0.256 | 1.0               | 0.0   | 85.3 | -69.8 | 80.4                        | 106.5 | 131 | 0.45  | 1.0            | 0.0   |  |  |           |           |           |
| 128        | 124        | 132        | 0.406             | 1.0 | 0.0   | 86.1 | -63.6                       | 81.5 | 103.5 | 128 | 0.553             | 1.0 | 0.0   | 87.1 | -55.9                       | 83.0 | 100.1 | 124 | 0.433          | 1.0 | 0.0   | 0.192 | 1.0               | 0.0   | 85.1 | -72.0 | 80.0                        | 107.7 | 132 | 0.433 | 1.0            | 0.0   |  |  |           |           |           |
| 129        | 125        | 133        | 0.363             | 1.0 | 0.0   | 85.9 | -65.6                       | 81.2 | 104.4 | 129 | 0.52              | 1.0 | 0.0   | 86.8 | -57.7                       | 82.6 | 100.8 | 125 | 0.417          | 1.0 | 0.0   | 0.127 | 1.0               | 0.0   | 84.8 | -74.2 | 79.6                        | 108.9 | 133 | 0.417 | 1.0            | 0.0   |  |  |           |           |           |
| 130        | 126        | 134        | 0.31              | 1.0 | 0.0   | 85.6 | -67.7                       | 80.8 | 105.5 | 130 | 0.485             | 1.0 | 0.0   | 86.6 | -59.6                       | 82.2 | 101.6 | 126 | 0.4            | 1.0 | 0.0   | 0.0   | 1.0               | 0.018 | 84.7 | -75.8 | 78.6                        | 109.3 | 134 | 0.4   | 1.0            | 0.0   |  |  |           |           |           |
| 131        | 127        | 135        | 0.256             | 1.0 | 0.0   | 85.3 | -69.8                       | 80.4 | 106.5 | 131 | 0.445             | 1.0 | 0.0   | 86.3 | -61.6                       | 81.9 | 102.6 | 127 | 0.383          | 1.0 | 0.0   | 0.0   | 1.0               | 0.09  | 84.7 | -75.3 | 75.4                        | 106.6 | 135 | 0.383 | 1.0            | 0.0   |  |  |           |           |           |
| 132        | 128        | 137        | 0.192             | 1.0 | 0.0   | 85.1 | -72.0                       | 80.0 | 107.7 | 132 | 0.406             | 1.0 | 0.0   | 86.1 | -63.6                       | 81.5 | 103.5 | 128 | 0.367          | 1.0 | 0.0   | 0.0   | 1.0               | 0.173 | 84.8 | -74.1 | 69.2                        | 101.4 | 137 | 0.367 | 1.0            | 0.0   |  |  |           |           |           |
| 133        | 129        | 138        | 0.127             | 1.0 | 0.0   | 84.8 | -74.2                       | 79.6 | 108.9 | 133 | 0.363             | 1.0 | 0.0   | 85.9 | -65.6                       | 81.2 | 104.4 | 129 | 0.35           | 1.0 | 0.0   | 0.0   | 1.0               | 0.205 | 84.8 | -73.4 | 66.1                        | 98.8  | 138 | 0.35  | 1.0            | 0.0   |  |  |           |           |           |
| 134        | 130        | 139        | 0.0               | 1.0 | 0.018 | 84.7 | -75.8                       | 78.6 | 109.3 | 134 | 0.31              | 1.0 | 0.0   | 85.6 | -67.7                       | 80.8 | 105.5 | 130 | 0.333          | 1.0 | 0.0   | 0.0   | 1.0               | 0.237 | 84.9 | -72.6 | 63.2                        | 96.3  | 139 | 0.333 | 1.0            | 0.0   |  |  |           |           |           |
| 135        | 131        | 140        | 0.0               | 1.0 | 0.09  | 84.7 | -75.3                       | 75.4 | 106.6 | 135 | 0.256             | 1.0 | 0.0   | 85.3 | -69.8                       | 80.4 | 106.5 | 131 | 0.317          | 1.0 | 0.0   | 0.0   | 1.0               | 0.268 | 84.9 | -71.9 | 60.4                        | 94.0  | 140 | 0.317 | 1.0            | 0.0   |  |  |           |           |           |
| 136        | 132        | 141        | 0.0               | 1.0 | 0.141 | 84.7 | -74.7                       | 72.2 | 103.9 | 136 | 0.192             | 1.0 | 0.0   | 85.1 | -72.0                       | 80.0 | 107.7 | 132 | 0.3            | 1.0 | 0.0   | 0.0   | 1.0               | 0.298 | 84.9 | -71.3 | 57.8                        | 91.9  | 141 | 0.3   | 1.0            | 0.0   |  |  |           |           |           |
| 137        | 133        | 142        | 0.0               | 1.0 | 0.173 | 84.8 | -74.1                       | 69.2 | 101.4 | 137 | 0.127             | 1.0 | 0.0   | 84.8 | -74.2                       | 79.6 | 108.9 | 133 | 0.283          | 1.0 | 0.0   | 0.0   | 1.0               | 0.328 | 85.0 | -70.6 | 55.3                        | 89.8  | 142 | 0.283 | 1.0            | 0.0   |  |  |           |           |           |
| 138        | 134        | 144        | 0.0               | 1.0 | 0.205 | 84.8 | -73.4                       | 66.1 | 98.8  | 138 | 0.0               | 1.0 | 0.018 | 84.7 | -75.8                       | 78.6 | 109.3 | 134 | 0.267          | 1.0 | 0.0   | 0.0   | 1.0               | 0.386 | 85.1 | -69.2 | 50.3                        | 85.6  | 144 | 0.267 | 1.0            | 0.0   |  |  |           |           |           |
| 139        | 135        | 145        | 0.0               | 1.0 | 0.237 | 84.9 | -72.6                       | 63.2 | 96.3  | 139 | 0.0               | 1.0 | 0.09  | 84.7 | -75.3                       | 75.4 | 106.6 | 135 | 0.25           | 1.0 | 0.0   | 0.0   | 1.0               | 0.412 | 85.1 | -68.6 | 48.1                        | 83.8  | 145 | 0.25  | 1.0            | 0.0   |  |  |           |           |           |
| 140        | 136        | 146        | 0.0               | 1.0 | 0.268 | 84.9 | -71.9                       | 60.4 | 94.0  | 140 | 0.0               | 1.0 | 0.141 | 84.7 | -74.7                       | 72.2 | 103.9 | 136 | 0.233          | 1.0 | 0.0   | 0.0   | 1.0               | 0.438 | 85.2 | -67.9 | 45.8                        | 82.0  | 146 | 0.233 | 1.0            | 0.0   |  |  |           |           |           |
| 141        | 137        | 147        | 0.0               | 1.0 | 0.298 | 84.9 | -71.3                       | 57.8 | 91.9  | 141 | 0.0               | 1.0 | 0.173 | 84.8 | -74.1                       | 69.2 | 101.4 | 137 | 0.217          | 1.0 | 0.0   | 0.0   | 1.0               | 0.464 | 85.2 | -67.1 | 43.7                        | 80.2  | 147 | 0.217 | 1.0            | 0.0   |  |  |           |           |           |
| 142        | 138        | 148        | 0.0               | 1.0 | 0.328 | 85.0 | -70.6                       | 55.3 | 89.8  | 142 | 0.0               | 1.0 | 0.205 | 84.8 | -73.4                       | 66.1 | 98.8  | 138 | 0.2            | 1.0 | 0.0   | 0.0   | 1.0               | 0.491 | 85.3 | -66.3 | 41.5                        | 78.3  | 148 | 0.2   | 1.0            | 0.0   |  |  |           |           |           |
| 143        | 139        | 149        | 0.0               | 1.0 | 0.358 | 85.0 | -69.9                       | 52.7 | 87.6  | 143 | 0.0               | 1.0 | 0.237 | 84.9 | -72.6                       | 63.2 | 96.3  | 139 | 0.183          | 1.0 | 0.0   | 0.0   | 1.0               | 0.515 | 85.3 | -65.7 | 39.5                        | 76.8  | 149 | 0.183 | 1.0            | 0.0   |  |  |           |           |           |
| 144        | 140        | 151        | 0.0               | 1.0 | 0.386 | 85.1 | -69.2                       | 50.3 | 85.6  | 144 | 0.0               | 1.0 | 0.268 | 84.9 | -71.9                       | 60.4 | 94.0  | 140 | 0.167          | 1.0 | 0.0   | 0.0   | 1.0               | 0.56  | 85.4 | -64.5 | 35.8                        | 73.9  | 151 | 0.167 | 1.0            | 0.0   |  |  |           |           |           |
| 145        | 141        | 152        | 0.0               | 1.0 | 0.412 | 85.1 | -68.6                       | 48.1 | 83.8  | 145 | 0.0               | 1.0 | 0.298 | 84.9 | -71.3                       | 57.8 | 91.9  | 141 | 0.15           | 1.0 | 0.0   | 0.0   | 1.0               | 0.583 | 85.5 | -63.9 | 34.0                        | 72.5  | 152 | 0.15  | 1.0            | 0.0   |  |  |           |           |           |
| 146        | 142        | 153        | 0.0               | 1.0 | 0.438 | 85.2 | -67.9                       | 45.8 | 82.0  | 146 | 0.0               | 1.0 | 0.328 | 85.0 | -70.6                       | 55.3 | 89.8  | 142 | 0.133          | 1.0 | 0.0   | 0.0   | 1.0               | 0.606 | 85.5 | -63.2 | 32.2                        | 71.0  | 153 | 0.133 | 1.0            | 0.0   |  |  |           |           |           |
| 147        | 143        | 154        | 0.0               | 1.0 | 0.464 | 85.2 | -67.1                       | 43.7 | 80.2  | 147 | 0.0               | 1.0 | 0.358 | 85.0 | -69.9                       | 52.7 | 87.6  | 143 | 0.117          | 1.0 | 0.0   | 0.0   | 1.0               | 0.628 | 85.5 | -62.5 | 30.5                        | 69.6  | 154 | 0.117 | 1.0            | 0.0   |  |  |           |           |           |
| 148        | 144        | 155        | 0.0               | 1.0 | 0.491 | 85.3 | -66.3                       | 41.5 | 78.3  | 148 | 0.0               | 1.0 | 0.386 | 85.1 | -69.2                       | 50.3 | 85.6  | 144 | 0.1            | 1.0 | 0.0   | 0.0   | 1.0               | 0.646 | 85.6 | -62.0 | 29.0                        | 68.5  | 155 | 0.1   | 1.0            | 0.0   |  |  |           |           |           |
| 149        | 145        | 156        | 0.0               | 1.0 | 0.515 | 85.3 | -65.7                       | 39.5 | 76.8  | 149 | 0.0               | 1.0 | 0.412 | 85.1 | -68.6                       | 48.1 | 83.8  | 145 | 0.083          | 1.0 | 0.0   | 0.0   | 1.0               | 0.665 | 85.6 | -61.5 | 27.4                        | 67.4  | 156 | 0.083 | 1.0            | 0.0   |  |  |           |           |           |
| 150        | 146        | 158        | 0.0               | 1.0 | 0.537 | 85.4 | -65.1                       | 37.7 | 75.3  | 150 | 0.0               | 1.0 | 0.438 | 85.2 | -67.9                       | 45.8 | 82.0  | 146 | 0.067          | 1.0 | 0.0   | 0.0   | 1.0               | 0.702 | 85.7 | -60.3 | 24.4                        | 65.1  | 158 | 0.067 | 1.0            | 0.0   |  |  |           |           |           |
| 151        | 147        | 159        | 0.0               | 1.0 | 0.56  | 85.4 | -64.5                       | 35.8 | 73.9  | 151 | 0.0               | 1.0 | 0.464 | 85.2 | -67.1                       | 43.7 | 80.2  | 147 | 0.05           | 1.0 | 0.0   | 0.0   | 1.0               | 0.721 | 85.8 | -59.7 | 22.9                        | 64.0  | 159 | 0.05  | 1.0            | 0.0   |  |  |           |           |           |
| 152        | 148        | 160        | 0.0               | 1.0 | 0.583 | 85.5 | -63.9                       | 34.0 | 72.5  | 152 | 0.0               | 1.0 | 0.491 | 85.3 | -66.3                       | 41.5 | 78.3  | 148 | 0.033          | 1.0 | 0.0   | 0.0   | 1.0               | 0.739 | 85.8 | -59.0 | 21.5                        | 62.9  | 160 | 0.033 | 1.0            | 0.0   |  |  |           |           |           |
| 153        | 149        | 161        | 0.0               | 1.0 | 0.606 | 85.5 | -63.2                       | 32.2 | 71.0  | 153 | 0.0               | 1.0 | 0.515 | 85.3 | -65.7                       | 39.5 | 76.8  | 149 | 0.017          | 1.0 | 0.0   | 0.0   | 1.0               | 0.756 | 85.9 | -58.4 | 20.2                        | 61.9  | 161 | 0.017 | 1.0            | 0.0   |  |  |           |           |           |
| 154        | 150        | 162        | 0.0               | 1.0 | 0.628 | 85.5 | -62.5                       | 30.5 | 69.6  | 154 | 0.0               | 1.0 | 0.537 | 85.4 | -65.1                       | 37.7 | 75.3  | 150 | 0.0            | 1.0 | 0.0   | 0.0   | 1.0               | 0.769 | 85.9 | -58.0 | 18.9                        | 61.1  | 162 | 0.0   | 1.0            | 0.0   |  |  |           |           |           |
| 155        | 151        | 163        | 0.0               | 1.0 | 0.646 | 85.6 | -62.0                       | 29.0 | 68.5  | 155 | 0.0               | 1.0 | 0.56  | 85.4 | -64.5                       | 35.8 | 73.9  | 151 | 0.0            | 1.0 | 0.017 | 0.0   | 1.0               | 0.782 | 86.0 | -57.6 | 17.6                        | 60.3  | 163 | 0.0   | 1.0            | 0.017 |  |  |           |           |           |
| 156        | 152        | 164        | 0.0               | 1.0 | 0.665 | 85.6 | -61.5                       | 27.4 | 67.4  | 156 | 0.0               | 1.0 | 0.583 | 85.5 | -63.9                       | 34.0 | 72.5  | 152 | 0.0            | 1.0 | 0.033 | 0.0   | 1.0               | 0.795 | 86.0 | -57.1 | 16.4                        | 59.5  | 164 | 0.0   | 1.0            | 0.033 |  |  |           |           |           |
| 157        | 153        | 165        | 0.0               | 1.0 | 0.684 | 85.7 | -60.9                       | 25.9 | 66.3  | 157 | 0.0               | 1.0 | 0.606 | 85.5 | -63.2                       | 32.2 | 71.0  | 153 | 0.0            | 1.0 | 0.05  | 0.0   | 1.0               | 0.808 | 86.1 | -56.6 | 15.2                        | 58.7  | 165 | 0.0   | 1.0            | 0.05  |  |  |           |           |           |
| 158        | 154        | 166        | 0.0               | 1.0 | 0.702 | 85.7 | -60.3                       | 24.4 | 65.1  | 158 | 0.0               | 1.0 | 0.628 | 85.5 | -62.5                       | 30.5 | 69.6  | 154 | 0.0            | 1.0 | 0.067 | 0.0   | 1.0               | 0.822 | 86.1 | -56.0 | 14.0                        | 57.9  | 166 | 0.0   | 1.0            | 0.067 |  |  |           |           |           |
| 159        | 155        | 167        | 0.0               | 1.0 | 0.721 | 85.8 | -59.7                       | 22.9 | 64.0  | 159 | 0.0               | 1.0 | 0.646 | 85.6 | -62.0                       | 29.0 | 68.5  | 155 | 0.0            | 1.0 | 0.083 | 0.0   | 1.0               | 0.835 | 86.2 | -55.5 | 12.8                        | 57.0  | 167 | 0.0   | 1.0            | 0.083 |  |  |           |           |           |
| 160        | 156        | 168        | 0.0               | 1.0 | 0.739 | 85.8 | -59.0                       | 21.5 | 62.9  | 160 | 0.0               | 1.0 | 0.665 | 85.6 | -61.5                       | 27.4 | 67.4  | 156 | 0.0            | 1.0 | 0.1   | 0.0   | 1.0               | 0.848 | 86.2 | -54.9 | 11.7                        | 56.2  | 168 | 0.0   | 1.0            | 0.1   |  |  |           |           |           |
| 161        | 157        | 169        | 0.0               | 1.0 | 0.756 | 85.9 | -58.4                       | 20.2 | 61.9  | 161 | 0.0               | 1.0 | 0.684 | 85.7 | -60.9                       | 25.9 | 66.3  | 157 | 0.0            | 1.0 | 0.117 | 0.0   | 1.0               | 0.861 | 86.2 | -54.3 | 10.6                        | 55.4  | 169 | 0.0   | 1.0            | 0.117 |  |  |           |           |           |
| 162        | 158        | 170        | 0.0               | 1.0 | 0.769 | 85.9 | -58.0                       | 18.9 | 61.1  | 162 | 0.0               | 1.0 | 0.702 | 85.7 | -60.3                       | 24.4 | 65.1  | 158 | 0.0            | 1.0 | 0.133 | 0.0   | 1.0               | 0.874 | 86.3 | -53.7 | 9.5                         | 54.6  | 170 | 0.0   | 1.0            | 0.133 |  |  |           |           |           |
| 163        | 159        | 170        | 0.0               | 1.0 | 0.782 | 86.0 | -57.6                       | 17.6 | 60.3  | 163 | 0.0               | 1.0 | 0.721 | 85.8 | -59.7                       | 22.9 | 64.0  | 159 | 0.0            | 1.0 | 0.15  | 0.0   | 1.0               | 0.874 | 86.3 | -53.7 | 9.5                         | 54.6  | 170 | 0.0   | 1.0            | 0.15  |  |  |           |           |           |
| 164        | 160        | 171        | 0.0               | 1.0 | 0.795 | 86.0 |                             |      |       |     |                   |     |       |      |                             |      |       |     |                |     |       |       |                   |       |      |       |                             |       |     |       |                |       |  |  |           |           |           |



Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 34.5, 102.4, 133.8, 197.0, 302.3, 326.3$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

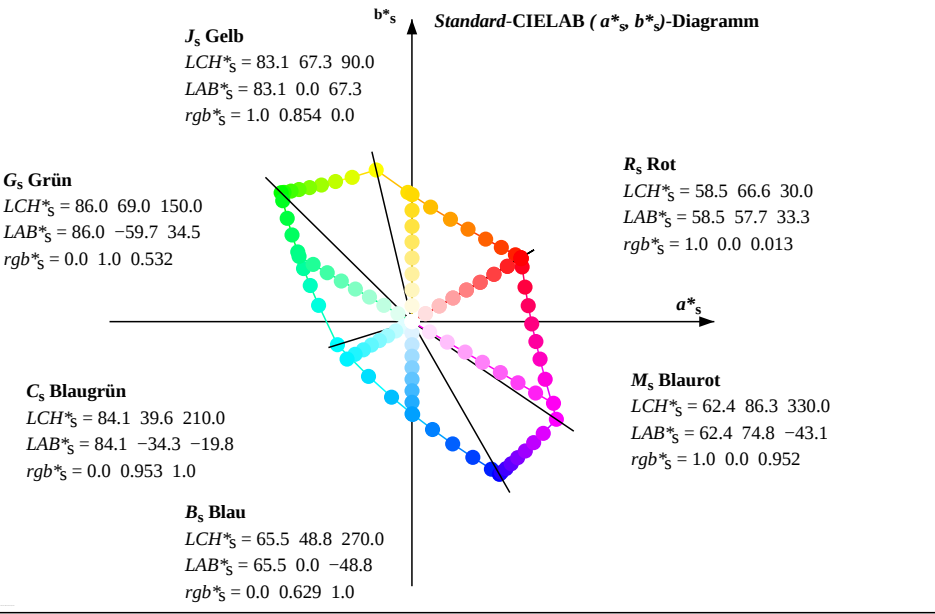
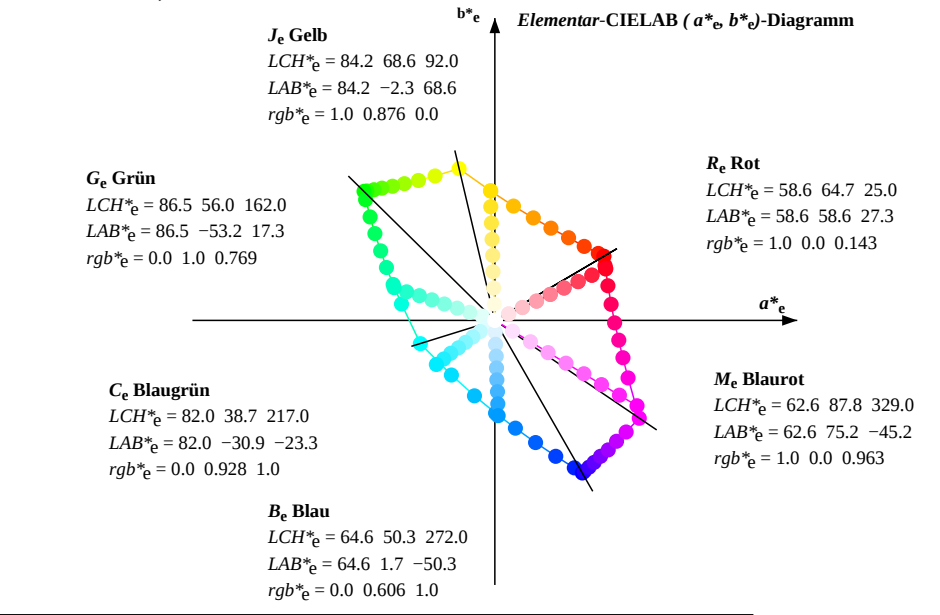
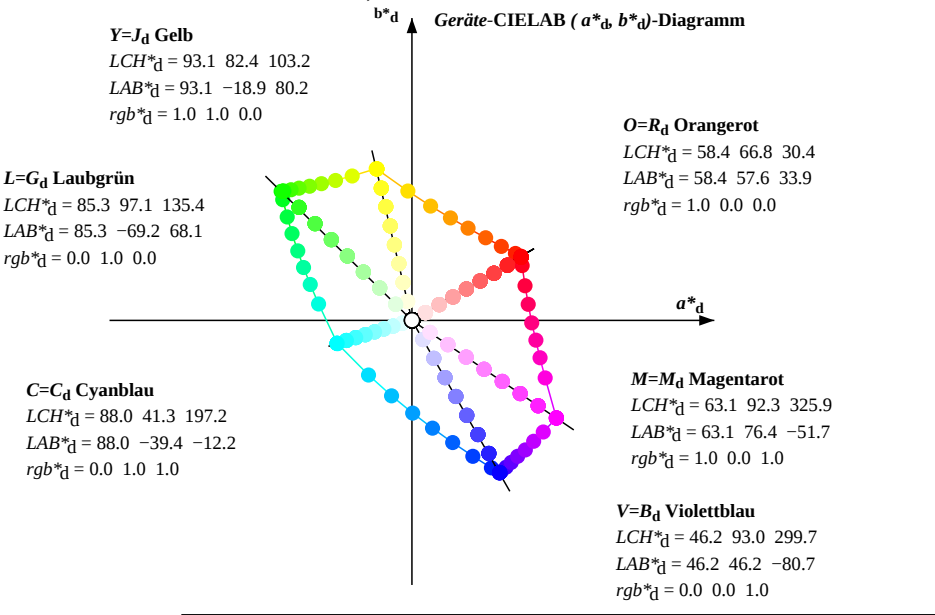
| a   | b   | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb*<br>dd361Mi | LAB*<br>dd361Mix (x=LabCh) | rgb*<br>ds361Mi | LAB*<br>ds361Mix (x=LabCh) | rgb*<br>s50M              | rgb*<br>de361Mi | LAB*<br>de361Mix (x=LabCh) | rgb*<br>e50M              | rgb*<br>da | rgb*<br>ds | rgb*<br>de        |
|-----|-----|-------------------|-------------------|-----------------|----------------------------|-----------------|----------------------------|---------------------------|-----------------|----------------------------|---------------------------|------------|------------|-------------------|
| 214 | 210 | 217               | 0.0               | 0.937 1.0       | 81.9 -35.1 -23.6 42.4 214  | 0.0             | 0.952 1.0                  | 83.2 -37.1 -21.4 43.0 210 | 0.0             | 0.926 1.0                  | 80.9 -33.5 -25.2 42.0 217 | 0.0        | 1.0        | 1.0C <sub>e</sub> |
| 215 | 211 | 218               | 0.0               | 0.934 1.0       | 81.6 -34.6 -24.2 42.3 215  | 0.0             | 0.948 1.0                  | 82.9 -36.6 -22.0 42.8 211 | 0.0             | 0.923 1.0                  | 80.6 -32.9 -25.7 41.9 218 | 0.0        | 0.983      | 1.0               |
| 216 | 212 | 219               | 0.0               | 0.93 1.0        | 81.2 -34.0 -24.7 42.2 216  | 0.0             | 0.945 1.0                  | 82.6 -36.1 -22.5 42.7 212 | 0.0             | 0.919 1.0                  | 80.3 -32.4 -26.2 41.8 219 | 0.0        | 0.967      | 1.0               |
| 217 | 213 | 220               | 0.0               | 0.926 1.0       | 80.9 -33.5 -25.2 42.0 217  | 0.0             | 0.941 1.0                  | 82.2 -35.6 -23.1 42.6 213 | 0.0             | 0.915 1.0                  | 79.9 -31.8 -26.7 41.6 220 | 0.0        | 0.95       | 1.0               |
| 218 | 214 | 221               | 0.0               | 0.923 1.0       | 80.6 -32.9 -25.7 41.9 218  | 0.0             | 0.937 1.0                  | 81.9 -35.1 -23.6 42.4 214 | 0.0             | 0.912 1.0                  | 79.6 -31.2 -27.1 41.5 221 | 0.0        | 0.933      | 1.0               |
| 219 | 215 | 222               | 0.0               | 0.919 1.0       | 80.3 -32.4 -26.2 41.8 219  | 0.0             | 0.934 1.0                  | 81.6 -34.6 -24.2 42.3 215 | 0.0             | 0.908 1.0                  | 79.3 -30.6 -27.6 41.4 222 | 0.0        | 0.917      | 1.0               |
| 220 | 216 | 222               | 0.0               | 0.915 1.0       | 79.9 -31.8 -26.7 41.6 220  | 0.0             | 0.93 1.0                   | 81.2 -34.0 -24.7 42.2 216 | 0.0             | 0.908 1.0                  | 79.3 -30.6 -27.6 41.4 222 | 0.0        | 0.9        | 1.0               |
| 221 | 217 | 223               | 0.0               | 0.912 1.0       | 79.6 -31.2 -27.1 41.5 221  | 0.0             | 0.926 1.0                  | 80.9 -33.5 -25.2 42.0 217 | 0.0             | 0.904 1.0                  | 78.9 -30.1 -28.0 41.2 223 | 0.0        | 0.883      | 1.0               |
| 222 | 218 | 224               | 0.0               | 0.908 1.0       | 79.3 -30.6 -27.6 41.4 222  | 0.0             | 0.923 1.0                  | 80.6 -32.9 -25.7 41.9 218 | 0.0             | 0.901 1.0                  | 78.6 -29.5 -28.5 41.1 224 | 0.0        | 0.867      | 1.0               |
| 223 | 219 | 225               | 0.0               | 0.904 1.0       | 78.9 -30.1 -28.0 41.2 223  | 0.0             | 0.919 1.0                  | 80.3 -32.4 -26.2 41.8 219 | 0.0             | 0.897 1.0                  | 78.3 -28.9 -28.9 41.0 225 | 0.0        | 0.85       | 1.0               |
| 224 | 220 | 226               | 0.0               | 0.901 1.0       | 78.6 -29.5 -28.5 41.1 224  | 0.0             | 0.915 1.0                  | 79.9 -31.8 -26.7 41.6 220 | 0.0             | 0.893 1.0                  | 77.9 -28.3 -29.3 40.8 226 | 0.0        | 0.833      | 1.0               |
| 225 | 221 | 227               | 0.0               | 0.897 1.0       | 78.3 -28.9 -28.9 41.0 225  | 0.0             | 0.912 1.0                  | 79.6 -31.2 -27.1 41.5 221 | 0.0             | 0.889 1.0                  | 77.6 -27.7 -29.7 40.7 227 | 0.0        | 0.817      | 1.0               |
| 226 | 222 | 228               | 0.0               | 0.893 1.0       | 77.9 -28.3 -29.3 40.8 226  | 0.0             | 0.908 1.0                  | 79.3 -30.6 -27.6 41.4 222 | 0.0             | 0.886 1.0                  | 77.3 -27.0 -30.1 40.6 228 | 0.0        | 0.8        | 1.0               |
| 227 | 223 | 229               | 0.0               | 0.889 1.0       | 77.6 -27.7 -29.7 40.7 227  | 0.0             | 0.904 1.0                  | 78.9 -30.1 -28.0 41.2 223 | 0.0             | 0.882 1.0                  | 77.0 -26.4 -30.4 40.4 229 | 0.0        | 0.783      | 1.0               |
| 228 | 224 | 230               | 0.0               | 0.886 1.0       | 77.3 -27.0 -30.1 40.6 228  | 0.0             | 0.901 1.0                  | 78.6 -29.5 -28.5 41.1 224 | 0.0             | 0.878 1.0                  | 76.6 -25.8 -30.8 40.3 230 | 0.0        | 0.767      | 1.0               |
| 229 | 225 | 231               | 0.0               | 0.882 1.0       | 77.0 -26.4 -30.4 40.4 229  | 0.0             | 0.897 1.0                  | 78.3 -28.9 -28.9 41.0 225 | 0.0             | 0.875 1.0                  | 76.3 -25.2 -31.1 40.2 231 | 0.0        | 0.75       | 1.0               |
| 230 | 226 | 232               | 0.0               | 0.878 1.0       | 76.6 -25.8 -30.8 40.3 230  | 0.0             | 0.893 1.0                  | 77.9 -28.3 -29.3 40.8 226 | 0.0             | 0.869 1.0                  | 76.0 -24.8 -31.7 40.4 232 | 0.0        | 0.733      | 1.0               |
| 231 | 227 | 232               | 0.0               | 0.875 1.0       | 76.3 -25.2 -31.1 40.2 231  | 0.0             | 0.889 1.0                  | 77.6 -27.7 -29.7 40.7 227 | 0.0             | 0.869 1.0                  | 76.0 -24.8 -31.7 40.4 232 | 0.0        | 0.717      | 1.0               |
| 232 | 228 | 233               | 0.0               | 0.869 1.0       | 76.0 -24.8 -31.7 40.4 232  | 0.0             | 0.886 1.0                  | 77.3 -27.0 -30.1 40.6 228 | 0.0             | 0.864 1.0                  | 75.7 -24.3 -32.3 40.6 233 | 0.0        | 0.7        | 1.0               |
| 233 | 229 | 234               | 0.0               | 0.864 1.0       | 75.7 -24.3 -32.3 40.6 233  | 0.0             | 0.882 1.0                  | 77.0 -26.4 -30.4 40.4 229 | 0.0             | 0.859 1.0                  | 75.3 -23.9 -32.9 40.8 234 | 0.0        | 0.683      | 1.0               |
| 234 | 230 | 235               | 0.0               | 0.859 1.0       | 75.3 -23.9 -32.9 40.8 234  | 0.0             | 0.878 1.0                  | 76.6 -25.8 -30.8 40.3 230 | 0.0             | 0.853 1.0                  | 75.0 -23.4 -33.5 41.0 235 | 0.0        | 0.667      | 1.0               |
| 235 | 231 | 236               | 0.0               | 0.853 1.0       | 75.0 -23.4 -33.5 41.0 235  | 0.0             | 0.875 1.0                  | 76.3 -25.2 -31.1 40.2 231 | 0.0             | 0.848 1.0                  | 74.7 -23.0 -34.1 41.2 236 | 0.0        | 0.65       | 1.0               |
| 236 | 232 | 237               | 0.0               | 0.848 1.0       | 74.7 -23.0 -34.1 41.2 236  | 0.0             | 0.869 1.0                  | 76.0 -24.8 -31.7 40.4 232 | 0.0             | 0.843 1.0                  | 74.4 -22.5 -34.7 41.4 237 | 0.0        | 0.633      | 1.0               |
| 237 | 233 | 238               | 0.0               | 0.843 1.0       | 74.4 -22.5 -34.7 41.4 237  | 0.0             | 0.864 1.0                  | 75.7 -24.3 -32.3 40.6 233 | 0.0             | 0.837 1.0                  | 74.1 -22.0 -35.2 41.7 238 | 0.0        | 0.617      | 1.0               |
| 238 | 234 | 239               | 0.0               | 0.837 1.0       | 74.1 -22.0 -35.2 41.7 238  | 0.0             | 0.859 1.0                  | 75.3 -23.9 -32.9 40.8 234 | 0.0             | 0.832 1.0                  | 73.8 -21.5 -35.8 41.9 239 | 0.0        | 0.6        | 1.0               |
| 239 | 235 | 240               | 0.0               | 0.832 1.0       | 73.8 -21.5 -35.8 41.9 239  | 0.0             | 0.853 1.0                  | 75.0 -23.4 -33.5 41.0 235 | 0.0             | 0.827 1.0                  | 73.4 -20.9 -36.3 42.1 240 | 0.0        | 0.583      | 1.0               |
| 240 | 236 | 241               | 0.0               | 0.827 1.0       | 73.4 -20.9 -36.3 42.1 240  | 0.0             | 0.848 1.0                  | 74.7 -23.0 -34.1 41.2 236 | 0.0             | 0.822 1.0                  | 73.1 -20.4 -36.9 42.3 241 | 0.0        | 0.567      | 1.0               |
| 241 | 237 | 242               | 0.0               | 0.822 1.0       | 73.1 -20.4 -36.9 42.3 241  | 0.0             | 0.843 1.0                  | 74.4 -22.5 -34.7 41.4 237 | 0.0             | 0.816 1.0                  | 72.8 -19.8 -37.4 42.5 242 | 0.0        | 0.55       | 1.0               |
| 242 | 238 | 243               | 0.0               | 0.816 1.0       | 72.8 -19.8 -37.4 42.5 242  | 0.0             | 0.837 1.0                  | 74.1 -22.0 -35.2 41.7 238 | 0.0             | 0.811 1.0                  | 72.5 -19.3 -37.9 42.7 243 | 0.0        | 0.533      | 1.0               |
| 243 | 239 | 243               | 0.0               | 0.811 1.0       | 72.5 -19.3 -37.9 42.7 243  | 0.0             | 0.832 1.0                  | 73.8 -21.5 -35.8 41.9 239 | 0.0             | 0.811 1.0                  | 72.5 -19.3 -37.9 42.7 243 | 0.0        | 0.517      | 1.0               |
| 244 | 240 | 244               | 0.0               | 0.806 1.0       | 72.2 -18.7 -38.5 42.9 244  | 0.0             | 0.827 1.0                  | 73.4 -20.9 -36.3 42.1 240 | 0.0             | 0.806 1.0                  | 72.2 -18.7 -38.5 42.9 244 | 0.0        | 0.5        | 1.0               |
| 245 | 241 | 245               | 0.0               | 0.8 1.0         | 71.8 -18.1 -39.0 43.1 245  | 0.0             | 0.822 1.0                  | 73.1 -20.4 -36.9 42.3 241 | 0.0             | 0.8 1.0                    | 71.8 -18.1 -39.0 43.1 245 | 0.0        | 0.483      | 1.0               |
| 246 | 242 | 246               | 0.0               | 0.795 1.0       | 71.5 -17.5 -39.5 43.3 246  | 0.0             | 0.816 1.0                  | 72.8 -19.8 -37.4 42.5 242 | 0.0             | 0.795 1.0                  | 71.5 -17.5 -39.5 43.3 246 | 0.0        | 0.467      | 1.0               |
| 247 | 243 | 247               | 0.0               | 0.79 1.0        | 71.2 -16.9 -40.0 43.5 247  | 0.0             | 0.811 1.0                  | 72.5 -19.3 -37.9 42.7 243 | 0.0             | 0.79 1.0                   | 71.2 -16.9 -40.0 43.5 247 | 0.0        | 0.45       | 1.0               |
| 248 | 244 | 248               | 0.0               | 0.785 1.0       | 70.9 -16.3 -40.4 43.7 248  | 0.0             | 0.806 1.0                  | 72.2 -18.7 -38.5 42.9 244 | 0.0             | 0.785 1.0                  | 70.9 -16.3 -40.4 43.7 248 | 0.0        | 0.433      | 1.0               |
| 249 | 245 | 249               | 0.0               | 0.779 1.0       | 70.6 -15.6 -40.9 43.9 249  | 0.0             | 0.8 1.0                    | 71.8 -18.1 -39.0 43.1 245 | 0.0             | 0.779 1.0                  | 70.6 -15.6 -40.9 43.9 249 | 0.0        | 0.417      | 1.0               |
| 250 | 246 | 250               | 0.0               | 0.774 1.0       | 70.3 -15.0 -41.4 44.1 250  | 0.0             | 0.795 1.0                  | 71.5 -17.5 -39.5 43.3 246 | 0.0             | 0.774 1.0                  | 70.3 -15.0 -41.4 44.1 250 | 0.0        | 0.4        | 1.0               |
| 251 | 247 | 251               | 0.0               | 0.769 1.0       | 69.9 -14.3 -41.8 44.3 251  | 0.0             | 0.79 1.0                   | 71.2 -16.9 -40.0 43.5 247 | 0.0             | 0.769 1.0                  | 69.9 -14.3 -41.8 44.3 251 | 0.0        | 0.383      | 1.0               |
| 252 | 248 | 252               | 0.0               | 0.763 1.0       | 69.6 -13.7 -42.3 44.5 252  | 0.0             | 0.785 1.0                  | 70.9 -16.6 -40.4 43.7 248 | 0.0             | 0.763 1.0                  | 69.6 -13.7 -42.3 44.5 252 | 0.0        | 0.367      | 1.0               |
| 253 | 249 | 253               | 0.0               | 0.758 1.0       | 69.3 -13.0 -42.7 44.8 253  | 0.0             | 0.779 1.0                  | 70.6 -15.3 -40.9 43.9 249 | 0.0             | 0.758 1.0                  | 69.3 -13.0 -42.7 44.8 253 | 0.0        | 0.35       | 1.0               |
| 254 | 250 | 253               | 0.0               | 0.753 1.0       | 69.0 -12.3 -43.1 45.0 254  | 0.0             | 0.774 1.0                  | 70.3 -15.0 -41.4 44.1 250 | 0.0             | 0.758 1.0                  | 69.3 -13.0 -42.7 44.8 253 | 0.0        | 0.333      | 1.0               |
| 255 | 251 | 254               | 0.0               | 0.746 1.0       | 68.6 -11.6 -43.7 45.3 255  | 0.0             | 0.769 1.0                  | 69.9 -14.3 -41.8 44.3 251 | 0.0             | 0.753 1.0                  | 69.0 -12.3 -43.1 45.0 254 | 0.0        | 0.317      | 1.0               |
| 256 | 252 | 255               | 0.0               | 0.738 1.0       | 68.2 -11.0 -44.4 45.9 256  | 0.0             | 0.763 1.0                  | 69.6 -13.7 -42.3 44.5 252 | 0.0             | 0.746 1.0                  | 68.6 -11.6 -43.7 45.3 255 | 0.0        | 0.3        | 1.0               |
| 257 | 253 | 256               | 0.0               | 0.731 1.0       | 67.8 -10.3 -45.1 46.4 257  | 0.0             | 0.758 1.0                  | 69.3 -13.0 -42.7 44.8 253 | 0.0             | 0.738 1.0                  | 68.2 -11.0 -44.4 45.9 256 | 0.0        | 0.283      | 1.0               |
| 258 | 254 | 257               | 0.0               | 0.723 1.0       | 67.5 -9.7 -45.8 47.0 258   | 0.0             | 0.753 1.0                  | 69.0 -12.3 -43.1 45.0 254 | 0.0             | 0.731 1.0                  | 67.8 -10.3 -45.1 46.4 257 | 0.0        | 0.267      | 1.0               |
| 259 | 255 | 258               | 0.0               | 0.715 1.0       | 67.1 -9.0 -46.5 47.5 259   | 0.0             | 0.746 1.0                  | 68.6 -11.6 -43.7 45.3 255 | 0.0             | 0.723 1.0                  | 67.5 -9.7 -45.8 47.0 258  | 0.0        | 0.25       | 1.0               |



| Daten der Maximalfarbe M im Farbmatrix-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 34.5, 102.4, 133.8, 197.0, 302.3, 326.3$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                          |     |       |      |      |       |                                    |                   |       |       |       |      |                          |       |       |     |       |     |                                    |       |       |       |      |      |                        |       |     |       |     |                   |                     |                     |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|--------------------------|-----|-------|------|------|-------|------------------------------------|-------------------|-------|-------|-------|------|--------------------------|-------|-------|-----|-------|-----|------------------------------------|-------|-------|-------|------|------|------------------------|-------|-----|-------|-----|-------------------|---------------------|---------------------|---------------------|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{\text{d}}d361Mi$ |     |       |      |      |       | $LAB^*_{\text{d}}d361Mix(x=LabCh)$ |                   |       |       |       |      | $rgb^*_{\text{s}}s361Mi$ |       |       |     |       |     | $LAB^*_{\text{s}}s361Mix(x=LabCh)$ |       |       |       |      |      | $rgb^*_{\text{e}}e50M$ |       |     |       |     |                   | $rgb^*_{\text{d}}d$ | $rgb^*_{\text{s}}s$ | $rgb^*_{\text{e}}e$ |
| 304                                                                                                                                                                                                                                                                                                                                                                                                                            | 300        | 300        | 0.196                    | 0.0 | 1.0   | 40.7 | 60.7 | -89.8 | 108.5                              | 304               | 0.0   | 0.139 | 1.0   | 41.8 | 51.0                     | -88.2 | 102.0 | 300 | 0.5   | 0.0 | 1.0                                | 0.0   | 0.139 | 1.0   | 41.8 | 51.0 | -88.2                  | 102.0 | 300 | 0.5   | 0.0 | 1.0               |                     |                     |                     |
| 305                                                                                                                                                                                                                                                                                                                                                                                                                            | 301        | 301        | 0.264                    | 0.0 | 1.0   | 41.6 | 61.9 | -88.3 | 107.9                              | 305               | 0.0   | 0.091 | 1.0   | 40.7 | 54.2                     | -90.0 | 105.2 | 301 | 0.517 | 0.0 | 1.0                                | 0.0   | 0.091 | 1.0   | 40.7 | 54.2 | -90.0                  | 105.2 | 301 | 0.517 | 0.0 | 1.0               |                     |                     |                     |
| 306                                                                                                                                                                                                                                                                                                                                                                                                                            | 302        | 302        | 0.323                    | 0.0 | 1.0   | 42.5 | 63.0 | -86.7 | 107.2                              | 306               | 0.0   | 0.019 | 1.0   | 39.5 | 57.6                     | -92.1 | 108.7 | 302 | 0.533 | 0.0 | 1.0                                | 0.0   | 0.019 | 1.0   | 39.5 | 57.6 | -92.1                  | 108.7 | 302 | 0.533 | 0.0 | 1.0               |                     |                     |                     |
| 307                                                                                                                                                                                                                                                                                                                                                                                                                            | 303        | 303        | 0.38                     | 0.0 | 1.0   | 43.4 | 64.2 | -85.1 | 106.6                              | 307               | 0.123 | 0.0   | 1.0   | 39.8 | 59.4                     | -91.4 | 109.1 | 303 | 0.55  | 0.0 | 1.0                                | 0.123 | 0.0   | 1.0   | 39.8 | 59.4 | -91.4                  | 109.1 | 303 | 0.55  | 0.0 | 1.0               |                     |                     |                     |
| 308                                                                                                                                                                                                                                                                                                                                                                                                                            | 304        | 304        | 0.427                    | 0.0 | 1.0   | 44.3 | 65.3 | -83.5 | 106.1                              | 308               | 0.196 | 0.0   | 1.0   | 40.7 | 60.7                     | -89.8 | 108.5 | 304 | 0.567 | 0.0 | 1.0                                | 0.196 | 0.0   | 1.0   | 40.7 | 60.7 | -89.8                  | 108.5 | 304 | 0.567 | 0.0 | 1.0               |                     |                     |                     |
| 309                                                                                                                                                                                                                                                                                                                                                                                                                            | 305        | 305        | 0.475                    | 0.0 | 1.0   | 45.3 | 66.4 | -81.9 | 105.6                              | 309               | 0.264 | 0.0   | 1.0   | 41.6 | 61.9                     | -88.3 | 107.9 | 305 | 0.583 | 0.0 | 1.0                                | 0.264 | 0.0   | 1.0   | 41.6 | 61.9 | -88.3                  | 107.9 | 305 | 0.583 | 0.0 | 1.0               |                     |                     |                     |
| 310                                                                                                                                                                                                                                                                                                                                                                                                                            | 306        | 306        | 0.519                    | 0.0 | 1.0   | 46.2 | 67.6 | -80.4 | 105.1                              | 310               | 0.323 | 0.0   | 1.0   | 42.5 | 63.0                     | -86.7 | 107.2 | 306 | 0.6   | 0.0 | 1.0                                | 0.323 | 0.0   | 1.0   | 42.5 | 63.0 | -86.7                  | 107.2 | 306 | 0.6   | 0.0 | 1.0               |                     |                     |                     |
| 311                                                                                                                                                                                                                                                                                                                                                                                                                            | 307        | 307        | 0.56                     | 0.0 | 1.0   | 47.0 | 68.8 | -79.0 | 104.8                              | 311               | 0.38  | 0.0   | 1.0   | 43.4 | 64.2                     | -85.1 | 106.6 | 307 | 0.617 | 0.0 | 1.0                                | 0.38  | 0.0   | 1.0   | 43.4 | 64.2 | -85.1                  | 106.6 | 307 | 0.617 | 0.0 | 1.0               |                     |                     |                     |
| 312                                                                                                                                                                                                                                                                                                                                                                                                                            | 308        | 308        | 0.601                    | 0.0 | 1.0   | 47.9 | 69.9 | -77.6 | 104.5                              | 312               | 0.427 | 0.0   | 1.0   | 44.3 | 65.3                     | -83.5 | 106.1 | 308 | 0.633 | 0.0 | 1.0                                | 0.427 | 0.0   | 1.0   | 44.3 | 65.3 | -83.5                  | 106.1 | 308 | 0.633 | 0.0 | 1.0               |                     |                     |                     |
| 313                                                                                                                                                                                                                                                                                                                                                                                                                            | 309        | 309        | 0.64                     | 0.0 | 1.0   | 48.8 | 71.0 | -76.1 | 104.2                              | 313               | 0.475 | 0.0   | 1.0   | 45.3 | 66.4                     | -81.9 | 105.6 | 309 | 0.65  | 0.0 | 1.0                                | 0.475 | 0.0   | 1.0   | 45.3 | 66.4 | -81.9                  | 105.6 | 309 | 0.65  | 0.0 | 1.0               |                     |                     |                     |
| 314                                                                                                                                                                                                                                                                                                                                                                                                                            | 310        | 310        | 0.674                    | 0.0 | 1.0   | 49.6 | 72.1 | -74.6 | 103.8                              | 314               | 0.519 | 0.0   | 1.0   | 46.2 | 67.6                     | -80.4 | 105.1 | 310 | 0.667 | 0.0 | 1.0                                | 0.519 | 0.0   | 1.0   | 46.2 | 67.6 | -80.4                  | 105.1 | 310 | 0.667 | 0.0 | 1.0               |                     |                     |                     |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                            | 311        | 311        | 0.709                    | 0.0 | 1.0   | 50.5 | 73.2 | -73.1 | 103.5                              | 315               | 0.56  | 0.0   | 1.0   | 47.0 | 68.8                     | -79.0 | 104.8 | 311 | 0.683 | 0.0 | 1.0                                | 0.56  | 0.0   | 1.0   | 47.0 | 68.8 | -79.0                  | 104.8 | 311 | 0.683 | 0.0 | 1.0               |                     |                     |                     |
| 316                                                                                                                                                                                                                                                                                                                                                                                                                            | 312        | 312        | 0.743                    | 0.0 | 1.0   | 51.4 | 74.2 | -71.6 | 103.2                              | 316               | 0.601 | 0.0   | 1.0   | 47.9 | 69.9                     | -77.6 | 104.5 | 312 | 0.7   | 0.0 | 1.0                                | 0.601 | 0.0   | 1.0   | 47.9 | 69.9 | -77.6                  | 104.5 | 312 | 0.7   | 0.0 | 1.0               |                     |                     |                     |
| 317                                                                                                                                                                                                                                                                                                                                                                                                                            | 313        | 312        | 0.774                    | 0.0 | 1.0   | 52.2 | 75.3 | -70.1 | 103.0                              | 317               | 0.64  | 0.0   | 1.0   | 48.8 | 71.0                     | -76.1 | 104.2 | 313 | 0.717 | 0.0 | 1.0                                | 0.601 | 0.0   | 1.0   | 47.9 | 69.9 | -77.6                  | 104.5 | 312 | 0.717 | 0.0 | 1.0               |                     |                     |                     |
| 318                                                                                                                                                                                                                                                                                                                                                                                                                            | 314        | 313        | 0.804                    | 0.0 | 1.0   | 53.1 | 76.4 | -68.7 | 102.8                              | 318               | 0.674 | 0.0   | 1.0   | 49.6 | 72.1                     | -74.6 | 103.8 | 314 | 0.733 | 0.0 | 1.0                                | 0.64  | 0.0   | 1.0   | 48.8 | 71.0 | -76.1                  | 104.2 | 313 | 0.733 | 0.0 | 1.0               |                     |                     |                     |
| 319                                                                                                                                                                                                                                                                                                                                                                                                                            | 315        | 314        | 0.835                    | 0.0 | 1.0   | 53.9 | 77.5 | -67.3 | 102.7                              | 319               | 0.709 | 0.0   | 1.0   | 50.5 | 73.2                     | -73.1 | 103.5 | 315 | 0.75  | 0.0 | 1.0                                | 0.674 | 0.0   | 1.0   | 49.6 | 72.1 | -74.6                  | 103.8 | 314 | 0.75  | 0.0 | 1.0               |                     |                     |                     |
| 320                                                                                                                                                                                                                                                                                                                                                                                                                            | 316        | 315        | 0.865                    | 0.0 | 1.0   | 54.8 | 78.6 | -65.8 | 102.6                              | 320               | 0.743 | 0.0   | 1.0   | 51.4 | 74.2                     | -71.6 | 103.2 | 316 | 0.767 | 0.0 | 1.0                                | 0.709 | 0.0   | 1.0   | 50.5 | 73.2 | -73.1                  | 103.5 | 315 | 0.767 | 0.0 | 1.0               |                     |                     |                     |
| 321                                                                                                                                                                                                                                                                                                                                                                                                                            | 317        | 316        | 0.889                    | 0.0 | 1.0   | 55.6 | 79.7 | -64.4 | 102.5                              | 321               | 0.774 | 0.0   | 1.0   | 52.2 | 75.3                     | -70.1 | 103.0 | 317 | 0.783 | 0.0 | 1.0                                | 0.743 | 0.0   | 1.0   | 51.4 | 74.2 | -71.6                  | 103.2 | 316 | 0.783 | 0.0 | 1.0               |                     |                     |                     |
| 322                                                                                                                                                                                                                                                                                                                                                                                                                            | 318        | 317        | 0.91                     | 0.0 | 1.0   | 56.5 | 80.8 | -63.0 | 102.5                              | 322               | 0.804 | 0.0   | 1.0   | 53.1 | 76.4                     | -68.7 | 102.8 | 318 | 0.8   | 0.0 | 1.0                                | 0.774 | 0.0   | 1.0   | 52.2 | 75.3 | -70.1                  | 103.0 | 317 | 0.8   | 0.0 | 1.0               |                     |                     |                     |
| 323                                                                                                                                                                                                                                                                                                                                                                                                                            | 319        | 318        | 0.931                    | 0.0 | 1.0   | 57.3 | 81.9 | -61.6 | 102.5                              | 323               | 0.835 | 0.0   | 1.0   | 53.9 | 77.5                     | -67.3 | 102.7 | 319 | 0.817 | 0.0 | 1.0                                | 0.804 | 0.0   | 1.0   | 53.1 | 76.4 | -68.7                  | 102.8 | 318 | 0.817 | 0.0 | 1.0               |                     |                     |                     |
| 324                                                                                                                                                                                                                                                                                                                                                                                                                            | 320        | 319        | 0.952                    | 0.0 | 1.0   | 58.1 | 83.0 | -60.2 | 102.6                              | 324               | 0.865 | 0.0   | 1.0   | 54.8 | 78.6                     | -65.8 | 102.6 | 320 | 0.833 | 0.0 | 1.0                                | 0.835 | 0.0   | 1.0   | 53.9 | 77.5 | -67.3                  | 102.7 | 319 | 0.833 | 0.0 | 1.0               |                     |                     |                     |
| 325                                                                                                                                                                                                                                                                                                                                                                                                                            | 321        | 320        | 0.973                    | 0.0 | 1.0   | 59.0 | 84.0 | -58.7 | 102.6                              | 325               | 0.889 | 0.0   | 1.0   | 55.6 | 79.7                     | -64.4 | 102.5 | 321 | 0.85  | 0.0 | 1.0                                | 0.865 | 0.0   | 1.0   | 54.8 | 78.6 | -65.8                  | 102.6 | 320 | 0.85  | 0.0 | 1.0               |                     |                     |                     |
| 326                                                                                                                                                                                                                                                                                                                                                                                                                            | 322        | 321        | 0.994                    | 0.0 | 1.0   | 59.8 | 85.0 | -57.3 | 102.6                              | 326M <sub>d</sub> | 0.91  | 0.0   | 1.0   | 56.5 | 80.8                     | -63.0 | 102.5 | 322 | 0.867 | 0.0 | 1.0                                | 0.889 | 0.0   | 1.0   | 55.6 | 79.7 | -64.4                  | 102.5 | 321 | 0.867 | 0.0 | 1.0               |                     |                     |                     |
| 327                                                                                                                                                                                                                                                                                                                                                                                                                            | 323        | 322        | 1.0                      | 0.0 | 0.991 | 59.9 | 85.1 | -55.2 | 101.5                              | 327               | 0.931 | 0.0   | 1.0   | 57.3 | 81.9                     | -61.6 | 102.5 | 323 | 0.883 | 0.0 | 1.0                                | 0.91  | 0.0   | 1.0   | 56.5 | 80.8 | -63.0                  | 102.5 | 322 | 0.883 | 0.0 | 1.0               |                     |                     |                     |
| 328                                                                                                                                                                                                                                                                                                                                                                                                                            | 324        | 323        | 1.0                      | 0.0 | 0.979 | 59.7 | 84.7 | -52.9 | 99.9                               | 328               | 0.952 | 0.0   | 1.0   | 58.1 | 83.0                     | -60.2 | 102.6 | 324 | 0.9   | 0.0 | 1.0                                | 0.931 | 0.0   | 1.0   | 57.3 | 81.9 | -61.6                  | 102.5 | 323 | 0.9   | 0.0 | 1.0               |                     |                     |                     |
| 329                                                                                                                                                                                                                                                                                                                                                                                                                            | 325        | 324        | 1.0                      | 0.0 | 0.967 | 59.5 | 84.3 | -50.6 | 98.4                               | 329               | 0.973 | 0.0   | 1.0   | 59.0 | 84.0                     | -58.7 | 102.6 | 325 | 0.917 | 0.0 | 1.0                                | 0.952 | 0.0   | 1.0   | 58.1 | 83.0 | -60.2                  | 102.6 | 324 | 0.917 | 0.0 | 1.0               |                     |                     |                     |
| 330                                                                                                                                                                                                                                                                                                                                                                                                                            | 326        | 325        | 1.0                      | 0.0 | 0.955 | 59.2 | 83.8 | -48.3 | 96.8                               | 330               | 0.994 | 0.0   | 1.0   | 59.8 | 85.0                     | -57.3 | 102.6 | 326 | 0.933 | 0.0 | 1.0                                | 0.973 | 0.0   | 1.0   | 59.0 | 84.0 | -58.7                  | 102.6 | 325 | 0.933 | 0.0 | 1.0               |                     |                     |                     |
| 331                                                                                                                                                                                                                                                                                                                                                                                                                            | 327        | 326        | 1.0                      | 0.0 | 0.943 | 59.0 | 83.3 | -46.1 | 95.3                               | 331               | 1.0   | 0.0   | 0.991 | 59.9 | 85.1                     | -55.2 | 101.5 | 327 | 0.95  | 0.0 | 1.0                                | 0.994 | 0.0   | 1.0   | 59.8 | 85.0 | -57.3                  | 102.6 | 326 | 0.95  | 0.0 | 1.0               |                     |                     |                     |
| 332                                                                                                                                                                                                                                                                                                                                                                                                                            | 328        | 327        | 1.0                      | 0.0 | 0.931 | 58.8 | 82.7 | -43.9 | 93.7                               | 332               | 1.0   | 0.0   | 0.979 | 59.7 | 84.7                     | -52.9 | 99.9  | 328 | 0.967 | 0.0 | 1.0                                | 1.0   | 0.0   | 0.991 | 59.9 | 85.1 | -55.2                  | 101.5 | 327 | 0.967 | 0.0 | 1.0               |                     |                     |                     |
| 333                                                                                                                                                                                                                                                                                                                                                                                                                            | 329        | 328        | 1.0                      | 0.0 | 0.919 | 58.6 | 82.1 | -41.7 | 92.2                               | 333               | 1.0   | 0.0   | 0.967 | 59.5 | 84.3                     | -50.6 | 98.4  | 329 | 0.983 | 0.0 | 1.0                                | 1.0   | 0.0   | 0.979 | 59.7 | 84.7 | -52.9                  | 99.9  | 328 | 0.983 | 0.0 | 1.0               |                     |                     |                     |
| 334                                                                                                                                                                                                                                                                                                                                                                                                                            | 330        | 329        | 1.0                      | 0.0 | 0.907 | 58.3 | 81.4 | -39.6 | 90.6                               | 334               | 1.0   | 0.0   | 0.955 | 59.2 | 83.8                     | -48.3 | 96.8  | 330 | 1.0   | 0.0 | 1.0M <sub>s</sub>                  | 1.0   | 0.0   | 0.967 | 59.5 | 84.3 | -50.6                  | 98.4  | 329 | 1.0   | 0.0 | 1.0M <sub>e</sub> |                     |                     |                     |
| 335                                                                                                                                                                                                                                                                                                                                                                                                                            | 331        | 330        | 1.0                      | 0.0 | 0.895 | 58.1 | 80.7 | -37.5 | 89.1                               | 335               | 1.0   | 0.0   | 0.943 | 59.0 | 83.3                     | -46.1 | 95.3  | 331 | 1.0   | 0.0 | 0.983                              | 1.0   | 0.0   | 0.955 | 59.2 | 83.8 | -48.3                  | 96.8  | 330 | 1.0   | 0.0 | 0.983             |                     |                     |                     |
| 336                                                                                                                                                                                                                                                                                                                                                                                                                            | 332        | 331        | 1.0                      | 0.0 | 0.883 | 57.9 | 79.9 | -35.5 | 87.5                               | 336               | 1.0   | 0.0   | 0.931 | 58.8 | 82.7                     | -43.9 | 93.7  | 332 | 1.0   | 0.0 | 0.967                              | 1.0   | 0.0   | 0.943 | 59.0 | 83.3 | -46.1                  | 95.3  | 331 | 1.0   | 0.0 | 0.967             |                     |                     |                     |
| 337                                                                                                                                                                                                                                                                                                                                                                                                                            | 333        | 331        | 1.0                      | 0.0 | 0.869 | 57.7 | 79.3 | -33.6 | 86.2                               | 337               | 1.0   | 0.0   | 0.919 | 58.6 | 82.1                     | -41.7 | 92.2  | 333 | 1.0   | 0.0 | 0.95                               | 1.0   | 0.0   | 0.943 | 59.0 | 83.3 | -46.1                  | 95.3  | 331 | 1.0   | 0.0 | 0.95              |                     |                     |                     |
| 338                                                                                                                                                                                                                                                                                                                                                                                                                            | 334        | 332        | 1.0                      | 0.0 | 0.851 | 57.6 | 79.0 | -31.8 | 85.2                               | 338               | 1.0   | 0.0   | 0.907 | 58.3 | 81.4                     | -39.6 | 90.6  | 334 | 1.0   | 0.0 | 0.933                              | 1.0   | 0.0   | 0.931 | 58.8 | 82.7 | -43.9                  | 93.7  | 332 | 1.0   | 0.0 | 0.933             |                     |                     |                     |
| 339                                                                                                                                                                                                                                                                                                                                                                                                                            | 335        | 333        | 1.0                      | 0.0 | 0.833 | 57.5 | 78.6 | -30.1 | 84.2                               | 339               | 1.0   | 0.0   | 0.895 | 58.1 | 80.7                     | -37.5 | 89.1  | 335 | 1.0   | 0.0 | 0.917                              | 1.0   | 0.0   | 0.919 | 58.6 | 82.1 | -41.7                  | 92.2  | 333 | 1.0   | 0.0 | 0.917             |                     |                     |                     |
| 340                                                                                                                                                                                                                                                                                                                                                                                                                            | 336        | 334        | 1.0                      | 0.0 | 0.814 | 57.3 | 78.2 | -28.4 | 83.3                               | 340               | 1.0   | 0.0   | 0.883 | 57.9 | 79.9                     | -35.5 | 87.5  | 336 | 1.0   | 0.0 | 0.9                                | 1.0   | 0.0   | 0.907 | 58.3 | 81.4 | -39.6                  | 90.6  | 334 | 1.0   | 0.0 | 0.9               |                     |                     |                     |
| 341                                                                                                                                                                                                                                                                                                                                                                                                                            | 337        | 335        | 1.0                      | 0.0 | 0.796 | 57.2 | 77.8 | -26.7 | 82.3                               | 341               | 1.0   | 0.0   | 0.869 | 57.7 | 79.3                     | -33.6 | 86.2  | 337 | 1.0   | 0.0 | 0.883</                            |       |       |       |      |      |                        |       |     |       |     |                   |                     |                     |                     |



Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 30.4, 103.2, 135.4, 197.3, 299.8, 325.9$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



**Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
 $h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ]$  (1)
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (3)
- Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (5)
- Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne



Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 30.4, 103.2, 135.4, 197.3, 299.8, 325.9$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]









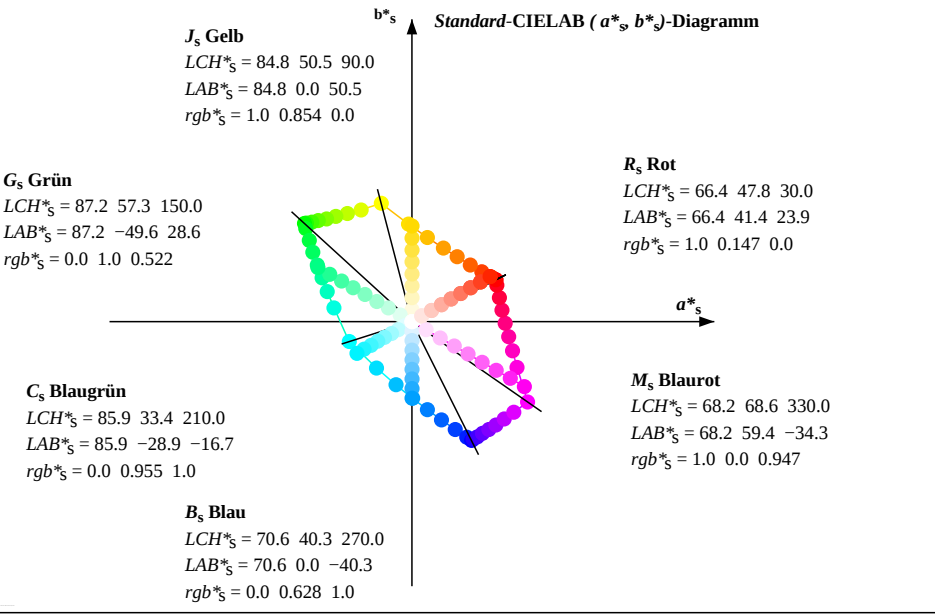
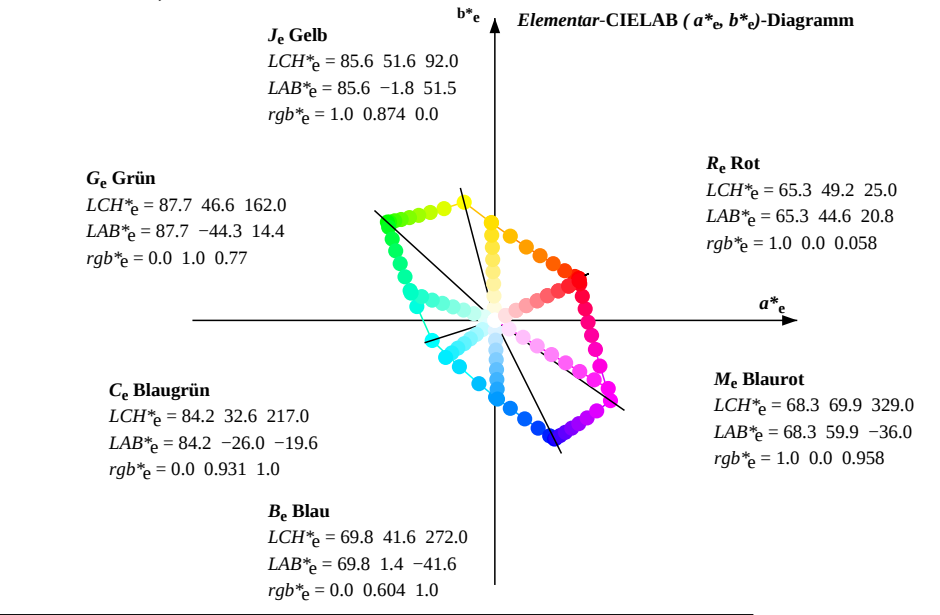
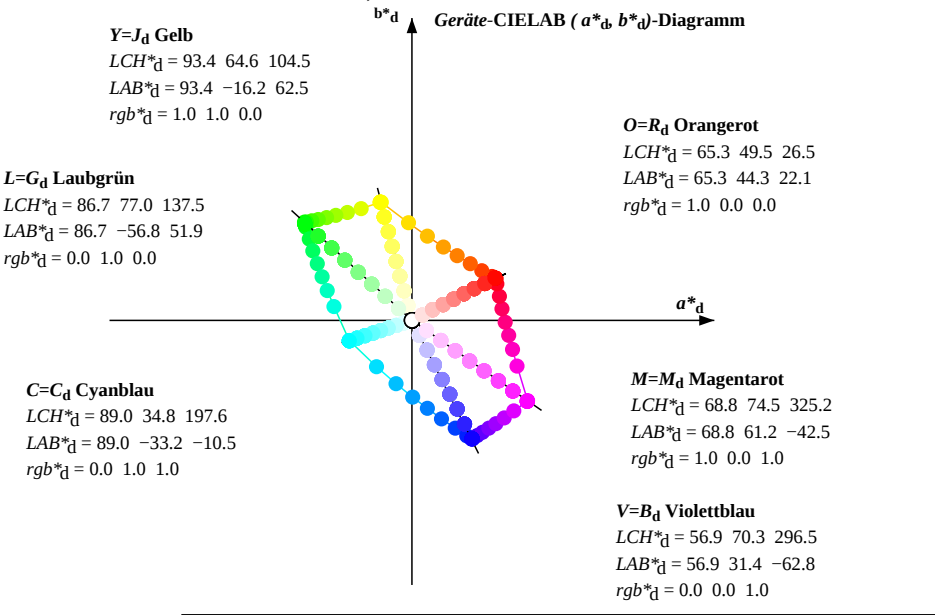
Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 30.4, 103.2, 135.4, 197.3, 299.8, 325.9$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

| Daten der Maximalfarbe M im Farbmetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;<br>Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 30.4, 103.2, 135.4, 197.3, 299.8, 325.9$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |     |       |                            |      |       |                   |     |       |                             |       |      |                |       |      |                   |       |     |                             |       |     |                |      |      |           |           |           |       |     |       |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-----|-------|----------------------------|------|-------|-------------------|-----|-------|-----------------------------|-------|------|----------------|-------|------|-------------------|-------|-----|-----------------------------|-------|-----|----------------|------|------|-----------|-----------|-----------|-------|-----|-------|--|--|--|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{d361Mi}$ |     |       | $LAB^*_{d361Mix}(x=LabCh)$ |      |       | $rgb^*_{ds361Mi}$ |     |       | $LAB^*_{ds361Mix}(x=LabCh)$ |       |      | $rgb^*_{s50M}$ |       |      | $rgb^*_{de361Mi}$ |       |     | $LAB^*_{de361Mix}(x=LabCh)$ |       |     | $rgb^*_{e50M}$ |      |      | $rgb^*_d$ | $rgb^*_s$ | $rgb^*_e$ |       |     |       |  |  |  |
| 300                                                                                                                                                                                                                                                                                                                                                                                                                            | 300        | 300        | 0.03             | 0.0 | 1.0   | 46.4                       | 46.5 | -80.4 | 93.0              | 300 | 0.03  | 0.0                         | 1.0   | 46.4 | 46.5           | -80.4 | 93.0 | 300               | 0.5   | 0.0 | 1.0                         | 0.03  | 0.0 | 1.0            | 46.4 | 46.5 | -80.4     | 93.0      | 300       | 0.5   | 0.0 | 1.0   |  |  |  |
| 301                                                                                                                                                                                                                                                                                                                                                                                                                            | 301        | 301        | 0.148            | 0.0 | 1.0   | 46.9                       | 47.7 | -79.4 | 92.7              | 301 | 0.148 | 0.0                         | 1.0   | 46.9 | 47.7           | -79.4 | 92.7 | 301               | 0.517 | 0.0 | 1.0                         | 0.148 | 0.0 | 1.0            | 46.9 | 47.7 | -79.4     | 92.7      | 301       | 0.517 | 0.0 | 1.0   |  |  |  |
| 302                                                                                                                                                                                                                                                                                                                                                                                                                            | 302        | 302        | 0.212            | 0.0 | 1.0   | 47.6                       | 49.0 | -78.3 | 92.5              | 302 | 0.212 | 0.0                         | 1.0   | 47.6 | 49.0           | -78.3 | 92.5 | 302               | 0.533 | 0.0 | 1.0                         | 0.212 | 0.0 | 1.0            | 47.6 | 49.0 | -78.3     | 92.5      | 302       | 0.533 | 0.0 | 1.0   |  |  |  |
| 303                                                                                                                                                                                                                                                                                                                                                                                                                            | 303        | 303        | 0.271            | 0.0 | 1.0   | 48.2                       | 50.2 | -77.2 | 92.2              | 303 | 0.271 | 0.0                         | 1.0   | 48.2 | 50.2           | -77.2 | 92.2 | 303               | 0.55  | 0.0 | 1.0                         | 0.271 | 0.0 | 1.0            | 48.2 | 50.2 | -77.2     | 92.2      | 303       | 0.55  | 0.0 | 1.0   |  |  |  |
| 304                                                                                                                                                                                                                                                                                                                                                                                                                            | 304        | 304        | 0.324            | 0.0 | 1.0   | 48.8                       | 51.4 | -76.1 | 92.0              | 304 | 0.324 | 0.0                         | 1.0   | 48.8 | 51.4           | -76.1 | 92.0 | 304               | 0.567 | 0.0 | 1.0                         | 0.324 | 0.0 | 1.0            | 48.8 | 51.4 | -76.1     | 92.0      | 304       | 0.567 | 0.0 | 1.0   |  |  |  |
| 305                                                                                                                                                                                                                                                                                                                                                                                                                            | 305        | 305        | 0.376            | 0.0 | 1.0   | 49.4                       | 52.6 | -75.0 | 91.7              | 305 | 0.376 | 0.0                         | 1.0   | 49.4 | 52.6           | -75.0 | 91.7 | 305               | 0.583 | 0.0 | 1.0                         | 0.376 | 0.0 | 1.0            | 49.4 | 52.6 | -75.0     | 91.7      | 305       | 0.583 | 0.0 | 1.0   |  |  |  |
| 306                                                                                                                                                                                                                                                                                                                                                                                                                            | 306        | 306        | 0.419            | 0.0 | 1.0   | 50.1                       | 53.8 | -73.9 | 91.5              | 306 | 0.419 | 0.0                         | 1.0   | 50.1 | 53.8           | -73.9 | 91.5 | 306               | 0.6   | 0.0 | 1.0                         | 0.419 | 0.0 | 1.0            | 50.1 | 53.8 | -73.9     | 91.5      | 306       | 0.6   | 0.0 | 1.0   |  |  |  |
| 307                                                                                                                                                                                                                                                                                                                                                                                                                            | 307        | 307        | 0.461            | 0.0 | 1.0   | 50.7                       | 55.0 | -72.8 | 91.3              | 307 | 0.461 | 0.0                         | 1.0   | 50.7 | 55.0           | -72.8 | 91.3 | 307               | 0.617 | 0.0 | 1.0                         | 0.461 | 0.0 | 1.0            | 50.7 | 55.0 | -72.8     | 91.3      | 307       | 0.617 | 0.0 | 1.0   |  |  |  |
| 308                                                                                                                                                                                                                                                                                                                                                                                                                            | 308        | 308        | 0.504            | 0.0 | 1.0   | 51.4                       | 56.1 | -71.7 | 91.1              | 308 | 0.504 | 0.0                         | 1.0   | 51.4 | 56.1           | -71.7 | 91.1 | 308               | 0.633 | 0.0 | 1.0                         | 0.504 | 0.0 | 1.0            | 51.4 | 56.1 | -71.7     | 91.1      | 308       | 0.633 | 0.0 | 1.0   |  |  |  |
| 309                                                                                                                                                                                                                                                                                                                                                                                                                            | 309        | 309        | 0.541            | 0.0 | 1.0   | 52.0                       | 57.3 | -70.7 | 91.1              | 309 | 0.541 | 0.0                         | 1.0   | 52.0 | 57.3           | -70.7 | 91.1 | 309               | 0.65  | 0.0 | 1.0                         | 0.541 | 0.0 | 1.0            | 52.0 | 57.3 | -70.7     | 91.1      | 309       | 0.65  | 0.0 | 1.0   |  |  |  |
| 310                                                                                                                                                                                                                                                                                                                                                                                                                            | 310        | 310        | 0.579            | 0.0 | 1.0   | 52.6                       | 58.5 | -69.7 | 91.1              | 310 | 0.579 | 0.0                         | 1.0   | 52.6 | 58.5           | -69.7 | 91.1 | 310               | 0.667 | 0.0 | 1.0                         | 0.579 | 0.0 | 1.0            | 52.6 | 58.5 | -69.7     | 91.1      | 310       | 0.667 | 0.0 | 1.0   |  |  |  |
| 311                                                                                                                                                                                                                                                                                                                                                                                                                            | 311        | 311        | 0.616            | 0.0 | 1.0   | 53.3                       | 59.7 | -68.6 | 91.0              | 311 | 0.616 | 0.0                         | 1.0   | 53.3 | 59.7           | -68.6 | 91.0 | 311               | 0.683 | 0.0 | 1.0                         | 0.616 | 0.0 | 1.0            | 53.3 | 59.7 | -68.6     | 91.0      | 311       | 0.683 | 0.0 | 1.0   |  |  |  |
| 312                                                                                                                                                                                                                                                                                                                                                                                                                            | 312        | 312        | 0.649            | 0.0 | 1.0   | 53.9                       | 60.9 | -67.5 | 91.0              | 312 | 0.649 | 0.0                         | 1.0   | 53.9 | 60.9           | -67.5 | 91.0 | 312               | 0.7   | 0.0 | 1.0                         | 0.649 | 0.0 | 1.0            | 53.9 | 60.9 | -67.5     | 91.0      | 312       | 0.7   | 0.0 | 1.0   |  |  |  |
| 313                                                                                                                                                                                                                                                                                                                                                                                                                            | 313        | 312        | 0.681            | 0.0 | 1.0   | 54.6                       | 62.0 | -66.4 | 90.9              | 313 | 0.681 | 0.0                         | 1.0   | 54.6 | 62.0           | -66.4 | 90.9 | 313               | 0.717 | 0.0 | 1.0                         | 0.649 | 0.0 | 1.0            | 53.9 | 60.9 | -67.5     | 91.0      | 312       | 0.717 | 0.0 | 1.0   |  |  |  |
| 314                                                                                                                                                                                                                                                                                                                                                                                                                            | 314        | 313        | 0.713            | 0.0 | 1.0   | 55.2                       | 63.1 | -65.2 | 90.8              | 314 | 0.713 | 0.0                         | 1.0   | 55.2 | 63.1           | -65.2 | 90.8 | 314               | 0.733 | 0.0 | 1.0                         | 0.681 | 0.0 | 1.0            | 54.6 | 62.0 | -66.4     | 90.9      | 313       | 0.733 | 0.0 | 1.0   |  |  |  |
| 315                                                                                                                                                                                                                                                                                                                                                                                                                            | 315        | 314        | 0.745            | 0.0 | 1.0   | 55.9                       | 64.2 | -64.1 | 90.7              | 315 | 0.745 | 0.0                         | 1.0   | 55.9 | 64.2           | -64.1 | 90.7 | 315               | 0.75  | 0.0 | 1.0                         | 0.713 | 0.0 | 1.0            | 55.2 | 63.1 | -65.2     | 90.8      | 314       | 0.75  | 0.0 | 1.0   |  |  |  |
| 316                                                                                                                                                                                                                                                                                                                                                                                                                            | 316        | 315        | 0.773            | 0.0 | 1.0   | 56.5                       | 65.3 | -63.0 | 90.8              | 316 | 0.773 | 0.0                         | 1.0   | 56.5 | 65.3           | -63.0 | 90.8 | 316               | 0.767 | 0.0 | 1.0                         | 0.745 | 0.0 | 1.0            | 55.9 | 64.2 | -64.1     | 90.7      | 315       | 0.767 | 0.0 | 1.0   |  |  |  |
| 317                                                                                                                                                                                                                                                                                                                                                                                                                            | 317        | 316        | 0.801            | 0.0 | 1.0   | 57.2                       | 66.5 | -61.9 | 90.9              | 317 | 0.801 | 0.0                         | 1.0   | 57.2 | 66.5           | -61.9 | 90.9 | 317               | 0.783 | 0.0 | 1.0                         | 0.773 | 0.0 | 1.0            | 56.5 | 65.3 | -63.0     | 90.8      | 316       | 0.783 | 0.0 | 1.0   |  |  |  |
| 318                                                                                                                                                                                                                                                                                                                                                                                                                            | 318        | 317        | 0.829            | 0.0 | 1.0   | 57.9                       | 67.6 | -60.8 | 91.0              | 318 | 0.829 | 0.0                         | 1.0   | 57.9 | 67.6           | -60.8 | 91.0 | 318               | 0.8   | 0.0 | 1.0                         | 0.801 | 0.0 | 1.0            | 57.2 | 66.5 | -61.9     | 90.9      | 317       | 0.8   | 0.0 | 1.0   |  |  |  |
| 319                                                                                                                                                                                                                                                                                                                                                                                                                            | 319        | 318        | 0.857            | 0.0 | 1.0   | 58.5                       | 68.7 | -59.6 | 91.1              | 319 | 0.857 | 0.0                         | 1.0   | 58.5 | 68.7           | -59.6 | 91.1 | 319               | 0.817 | 0.0 | 1.0                         | 0.829 | 0.0 | 1.0            | 57.9 | 67.6 | -60.8     | 91.0      | 318       | 0.817 | 0.0 | 1.0   |  |  |  |
| 320                                                                                                                                                                                                                                                                                                                                                                                                                            | 320        | 319        | 0.882            | 0.0 | 1.0   | 59.2                       | 69.8 | -58.5 | 91.2              | 320 | 0.882 | 0.0                         | 1.0   | 59.2 | 69.8           | -58.5 | 91.2 | 320               | 0.833 | 0.0 | 1.0                         | 0.857 | 0.0 | 1.0            | 58.5 | 68.7 | -59.6     | 91.1      | 319       | 0.833 | 0.0 | 1.0   |  |  |  |
| 321                                                                                                                                                                                                                                                                                                                                                                                                                            | 321        | 320        | 0.902            | 0.0 | 1.0   | 59.9                       | 71.0 | -57.4 | 91.4              | 321 | 0.902 | 0.0                         | 1.0   | 59.9 | 71.0           | -57.4 | 91.4 | 321               | 0.85  | 0.0 | 1.0                         | 0.882 | 0.0 | 1.0            | 59.2 | 69.8 | -58.5     | 91.2      | 320       | 0.85  | 0.0 | 1.0   |  |  |  |
| 322                                                                                                                                                                                                                                                                                                                                                                                                                            | 322        | 321        | 0.922            | 0.0 | 1.0   | 60.6                       | 72.2 | -56.3 | 91.6              | 322 | 0.922 | 0.0                         | 1.0   | 60.6 | 72.2           | -56.3 | 91.6 | 322               | 0.867 | 0.0 | 1.0                         | 0.902 | 0.0 | 1.0            | 59.9 | 71.0 | -57.4     | 91.4      | 321       | 0.867 | 0.0 | 1.0   |  |  |  |
| 323                                                                                                                                                                                                                                                                                                                                                                                                                            | 323        | 322        | 0.942            | 0.0 | 1.0   | 61.2                       | 73.3 | -55.1 | 91.8              | 323 | 0.942 | 0.0                         | 1.0   | 61.2 | 73.3           | -55.1 | 91.8 | 323               | 0.883 | 0.0 | 1.0                         | 0.922 | 0.0 | 1.0            | 60.6 | 72.2 | -56.3     | 91.6      | 322       | 0.883 | 0.0 | 1.0   |  |  |  |
| 324                                                                                                                                                                                                                                                                                                                                                                                                                            | 324        | 323        | 0.962            | 0.0 | 1.0   | 61.9                       | 74.4 | -53.9 | 92.0              | 324 | 0.962 | 0.0                         | 1.0   | 61.9 | 74.4           | -53.9 | 92.0 | 324               | 0.9   | 0.0 | 1.0                         | 0.942 | 0.0 | 1.0            | 61.2 | 73.3 | -55.1     | 91.8      | 323       | 0.9   | 0.0 | 1.0   |  |  |  |
| 325                                                                                                                                                                                                                                                                                                                                                                                                                            | 325        | 324        | 0.982            | 0.0 | 1.0   | 62.6                       | 75.5 | -52.8 | 92.1              | 325 | 0.982 | 0.0                         | 1.0   | 62.6 | 75.5           | -52.8 | 92.1 | 325               | 0.917 | 0.0 | 1.0                         | 0.962 | 0.0 | 1.0            | 61.9 | 74.4 | -53.9     | 92.0      | 324       | 0.917 | 0.0 | 1.0   |  |  |  |
| 326                                                                                                                                                                                                                                                                                                                                                                                                                            | 326        | 325        | 1.0              | 0.0 | 0.999 | 63.2                       | 76.4 | -51.4 | 92.2              | 326 | 1.0   | 0.0                         | 0.999 | 63.2 | 76.4           | -51.4 | 92.2 | 326               | 0.933 | 0.0 | 1.0                         | 0.982 | 0.0 | 1.0            | 62.6 | 75.5 | -52.8     | 92.1      | 325       | 0.933 | 0.0 | 1.0   |  |  |  |
| 327                                                                                                                                                                                                                                                                                                                                                                                                                            | 327        | 326        | 1.0              | 0.0 | 0.987 | 63.0                       | 76.1 | -49.3 | 90.7              | 327 | 1.0   | 0.0                         | 0.987 | 63.0 | 76.1           | -49.3 | 90.7 | 327               | 0.95  | 0.0 | 1.0                         | 1.0   | 0.0 | 0.999          | 63.2 | 76.4 | -51.4     | 92.2      | 326       | 0.95  | 0.0 | 1.0   |  |  |  |
| 328                                                                                                                                                                                                                                                                                                                                                                                                                            | 328        | 327        | 1.0              | 0.0 | 0.976 | 62.8                       | 75.7 | -47.2 | 89.3              | 328 | 1.0   | 0.0                         | 0.976 | 62.8 | 75.7           | -47.2 | 89.3 | 328               | 0.967 | 0.0 | 1.0                         | 1.0   | 0.0 | 0.987          | 63.0 | 76.1 | -49.3     | 90.7      | 327       | 0.967 | 0.0 | 1.0   |  |  |  |
| 329                                                                                                                                                                                                                                                                                                                                                                                                                            | 329        | 328        | 1.0              | 0.0 | 0.964 | 62.6                       | 75.3 | -45.1 | 87.8              | 329 | 1.0   | 0.0                         | 0.964 | 62.6 | 75.3           | -45.1 | 87.8 | 329               | 0.983 | 0.0 | 1.0                         | 1.0   | 0.0 | 0.976          | 62.8 | 75.7 | -47.2     | 89.3      | 328       | 0.983 | 0.0 | 1.0   |  |  |  |
| 330                                                                                                                                                                                                                                                                                                                                                                                                                            | 330        | 329        | 1.0              | 0.0 | 0.952 | 62.4                       | 74.8 | -43.1 | 86.4              | 330 | 1.0   | 0.0                         | 0.952 | 62.4 | 74.8           | -43.1 | 86.4 | 330               | 1.0   | 0.0 | 1.0                         | 1.0   | 0.0 | 0.964          | 62.6 | 75.3 | -45.1     | 87.8      | 329       | 1.0   | 0.0 | 1.0   |  |  |  |
| 331                                                                                                                                                                                                                                                                                                                                                                                                                            | 331        | 330        | 1.0              | 0.0 | 0.941 | 62.3                       | 74.3 | -41.1 | 84.9              | 331 | 1.0   | 0.0                         | 0.941 | 62.3 | 74.3           | -41.1 | 84.9 | 331               | 1.0   | 0.0 | 0.983                       | 1.0   | 0.0 | 0.952          | 62.4 | 74.8 | -43.1     | 86.4      | 330       | 1.0   | 0.0 | 0.983 |  |  |  |
| 332                                                                                                                                                                                                                                                                                                                                                                                                                            | 332        | 331        | 1.0              | 0.0 | 0.929 | 62.1                       | 73.7 | -39.1 | 83.5              | 332 | 1.0   | 0.0                         | 0.929 | 62.1 | 73.7           | -39.1 | 83.5 | 332               | 1.0   | 0.0 | 0.967                       | 1.0   | 0.0 | 0.941          | 62.3 | 74.3 | -41.1     | 84.9      | 331       | 1.0   | 0.0 | 0.967 |  |  |  |
| 333                                                                                                                                                                                                                                                                                                                                                                                                                            | 333        | 331        | 1.0              | 0.0 | 0.917 | 61.9                       | 73.1 | -37.2 | 82.1              | 333 | 1.0   | 0.0                         | 0.917 | 61.9 | 73.1           | -37.2 | 82.1 | 333               | 1.0   | 0.0 | 0.95                        | 1.0   | 0.0 | 0.941          | 62.3 | 74.3 | -41.1     | 84.9      | 331       | 1.0   | 0.0 | 0.95  |  |  |  |
| 334                                                                                                                                                                                                                                                                                                                                                                                                                            | 334        | 332        | 1.0              | 0.0 | 0.906 | 61.7                       | 72.4 | -35.2 | 80.6              | 334 | 1.0   | 0.0                         | 0.906 | 61.7 | 72.4           | -35.2 | 80.6 | 334               | 1.0   | 0.0 | 0.933                       | 1.0   | 0.0 | 0.929          | 62.1 | 73.7 | -39.1     | 83.5      | 332       | 1.0   | 0.0 | 0.933 |  |  |  |
| 335                                                                                                                                                                                                                                                                                                                                                                                                                            | 335        | 333        | 1.0              | 0.0 | 0.894 | 61.5                       | 71.7 | -33.4 | 79.2              | 335 | 1.0   | 0.0                         | 0.894 | 61.5 | 71.7           | -33.4 | 79.2 | 335               | 1.0   | 0.0 | 0.917                       | 1.0   | 0.0 | 0.917          | 61.9 | 73.1 | -37.2     | 82.1      | 333       | 1.0   | 0.0 | 0.917 |  |  |  |
| 336                                                                                                                                                                                                                                                                                                                                                                                                                            | 336        | 334        | 1.0              | 0.0 | 0.882 | 61.3                       | 71.0 | -31.5 | 77.7              | 336 | 1.0   | 0.0                         | 0.882 | 61.3 | 71.0           | -31.5 | 77.7 | 336               | 1.0   | 0.0 | 0.9                         | 1.0   | 0.0 | 0.906          | 61.7 | 72.4 | -35.2     | 80.6      | 334       | 1.0   | 0.0 | 0.9   |  |  |  |
| 337                                                                                                                                                                                                                                                                                                                                                                                                                            | 337        | 335        | 1.0              | 0.0 | 0.868 | 61.2                       | 70.4 | -29.8 | 76.5              | 337 | 1.0   | 0.0                         | 0.868 | 61.2 | 70.4           | -29.8 | 76.5 | 337               | 1.0   | 0.0 | 0.883                       | 1.0   | 0.0 | 0.894          | 61.5 | 71.7 | -33.4     | 79.2      | 335       | 1.0   | 0.0 | 0.883 |  |  |  |



Daten der Maximalfarbe M im Farbmetriksystem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben s:  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben d:  $h_{ab,d} = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2$ ; Sechs Bunttonwinkel der Elementarfarben e:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



**Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$
$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$
$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte  $rgb^*_{de}$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: h <sub>ab,s</sub> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Sechs Bunntonwinkel der Gerätefarben d: h <sub>ab,d</sub> = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2; Sechs Bunntonwinkel der Elementarfarben e: h <sub>ab,e</sub> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6 |       |       |                        |       |       |                                   |       |       |                        |       |       |                                   |       |      |                       |       |      |                        |       |       |                                   |       |       |                       |      |       |                                                          |       |      |       |       |       |       |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------------------------|-------|-------|-----------------------------------|-------|-------|------------------------|-------|-------|-----------------------------------|-------|------|-----------------------|-------|------|------------------------|-------|-------|-----------------------------------|-------|-------|-----------------------|------|-------|----------------------------------------------------------|-------|------|-------|-------|-------|-------|--|--|--|
| h <sub>ab,d</sub> h <sub>ab,s</sub> h <sub>ab,e</sub>                                                                                                                                                                                                                                                                                                                                                                                         |       |       | rgb* <sub>dd</sub> 50M |       |       | LAB* <sub>dd</sub> 50Mx (x=LabCh) |       |       | rgb* <sub>ds</sub> 50M |       |       | LAB* <sub>ds</sub> 50Mx (x=LabCh) |       |      | rgb* <sub>s</sub> 50M |       |      | rgb* <sub>de</sub> 50M |       |       | LAB* <sub>de</sub> 50Mx (x=LabCh) |       |       | rgb* <sub>e</sub> 50M |      |       | rgb* <sub>dd</sub> rgb* <sub>ds</sub> rgb* <sub>de</sub> |       |      |       |       |       |       |  |  |  |
| 26.5                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.0  | 25.5  | 1.0                    | 0.0   | 0.0   | 65.3                              | 44.4  | 22.1  | 49.6                   | 26.5  | 1.0   | 0.147                             | 0.0   | 66.5 | 41.4                  | 23.9  | 47.8 | 30                     | 1.0   | 0.0   | 0.0                               | 1.0   | 0.0   | 0.058                 | 65.4 | 44.6  | 20.8                                                     | 49.2  | 25   | 1.0   | 0.0   | 0.0   |       |  |  |  |
| 28.8                                                                                                                                                                                                                                                                                                                                                                                                                                          | 37.5  | 33.8  | 1.0                    | 0.125 | 0.0   | 66.1                              | 42.3  | 23.3  | 48.3                   | 28.8  | 1.0   | 0.287                             | 0.0   | 68.9 | 35.2                  | 27.5  | 44.7 | 38                     | 1.0   | 0.125 | 0.0                               | 1.0   | 0.223 | 0.0                   | 67.7 | 38.2  | 25.8                                                     | 46.1  | 34   | 1.0   | 0.125 | 0.0   |       |  |  |  |
| 35.4                                                                                                                                                                                                                                                                                                                                                                                                                                          | 45.0  | 42.2  | 1.0                    | 0.25  | 0.0   | 68.2                              | 37.0  | 26.3  | 45.4                   | 35.4  | 1.0   | 0.385                             | 0.0   | 70.9 | 30.4                  | 30.4  | 42.9 | 45                     | 1.0   | 0.25  | 0.0                               | 1.0   | 0.344 | 0.0                   | 70.1 | 32.4  | 29.2                                                     | 43.6  | 42   | 1.0   | 0.25  | 0.0   |       |  |  |  |
| 44.1                                                                                                                                                                                                                                                                                                                                                                                                                                          | 52.5  | 50.5  | 1.0                    | 0.375 | 0.0   | 70.7                              | 30.9  | 30.0  | 43.0                   | 44.1  | 1.0   | 0.477                             | 0.0   | 73.1 | 25.3                  | 33.6  | 42.0 | 53                     | 1.0   | 0.375 | 0.0                               | 1.0   | 0.454 | 0.0                   | 72.5 | 26.6  | 32.8                                                     | 42.3  | 51   | 1.0   | 0.375 | 0.0   |       |  |  |  |
| 55.0                                                                                                                                                                                                                                                                                                                                                                                                                                          | 60.0  | 58.9  | 1.0                    | 0.5   | 0.0   | 73.6                              | 24.0  | 34.3  | 41.8                   | 55.0  | 1.0   | 0.552                             | 0.0   | 75.0 | 21.0                  | 36.4  | 42.0 | 60                     | 1.0   | 0.5   | 0.0                               | 1.0   | 0.542 | 0.0                   | 74.7 | 21.6  | 36.0                                                     | 42.0  | 59   | 1.0   | 0.5   | 0.0   |       |  |  |  |
| 66.9                                                                                                                                                                                                                                                                                                                                                                                                                                          | 67.5  | 67.2  | 1.0                    | 0.625 | 0.0   | 76.9                              | 16.6  | 38.9  | 42.3                   | 66.9  | 1.0   | 0.636                             | 0.0   | 77.2 | 15.9                  | 39.5  | 42.6 | 68                     | 1.0   | 0.625 | 0.0                               | 1.0   | 0.626 | 0.0                   | 76.9 | 16.5  | 39.0                                                     | 42.3  | 67   | 1.0   | 0.625 | 0.0   |       |  |  |  |
| 79.6                                                                                                                                                                                                                                                                                                                                                                                                                                          | 75.0  | 75.6  | 1.0                    | 0.75  | 0.0   | 80.8                              | 8.1   | 44.5  | 45.3                   | 79.6  | 1.0   | 0.705                             | 0.0   | 79.4 | 11.4                  | 42.7  | 44.2 | 75                     | 1.0   | 0.75  | 0.0                               | 1.0   | 0.714 | 0.0                   | 79.7 | 10.7  | 43.1                                                     | 44.4  | 76   | 1.0   | 0.75  | 0.0   |       |  |  |  |
| 92.1                                                                                                                                                                                                                                                                                                                                                                                                                                          | 82.5  | 84.0  | 1.0                    | 0.875 | 0.0   | 85.7                              | -1.8  | 51.6  | 51.7                   | 92.1  | 1.0   | 0.784                             | 0.0   | 82.1 | 5.7                   | 46.6  | 47.0 | 83                     | 1.0   | 0.875 | 0.0                               | 1.0   | 0.794 | 0.0                   | 82.5 | 5.0   | 47.2                                                     | 47.5  | 84   | 1.0   | 0.875 | 0.0   |       |  |  |  |
| 104.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 90.0  | 92.3  | 1.0                    | 1.0   | 0.0   | 93.4                              | -16.2 | 62.6  | 64.7                   | 104.6 | 1.0   | 0.854                             | 0.0   | 84.9 | 0.0                   | 50.6  | 50.6 | 90                     | 1.0   | 1.0   | 0.0                               | 1.0   | 0.874 | 0.0                   | 85.7 | -1.7  | 51.6                                                     | 51.6  | 92   | 1.0   | 1.0   | 0.0   |       |  |  |  |
| 114.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 97.5  | 101.1 | 0.875                  | 1.0   | 0.0   | 91.3                              | -26.8 | 59.2  | 65.0                   | 114.5 | 1.0   | 0.934                             | 0.0   | 89.4 | -7.9                  | 57.3  | 57.8 | 98                     | 0.875 | 1.0   | 0.0                               | 1.0   | 0.964 | 0.0                   | 91.2 | -11.5 | 59.8                                                     | 60.9  | 101  | 0.875 | 1.0   | 0.0   |       |  |  |  |
| 120.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 105.0 | 109.8 | 0.75                   | 1.0   | 0.0   | 90.1                              | -34.0 | 57.2  | 66.6                   | 120.8 | 0.995 | 1.0                               | 0.0   | 93.3 | -16.6                 | 62.5  | 64.7 | 105                    | 0.75  | 1.0   | 0.0                               | 0.931 | 1.0   | 0.0                   | 92.2 | -22.1 | 61.0                                                     | 64.9  | 110  | 0.75  | 1.0   | 0.0   |       |  |  |  |
| 125.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 112.5 | 118.5 | 0.625                  | 1.0   | 0.0   | 89.1                              | -40.1 | 55.6  | 68.6                   | 125.9 | 0.893 | 1.0                               | 0.0   | 91.6 | -25.3                 | 59.8  | 65.0 | 113                    | 0.625 | 1.0   | 0.0                               | 0.786 | 1.0   | 0.0                   | 90.4 | -32.0 | 57.8                                                     | 66.1  | 119  | 0.625 | 1.0   | 0.0   |       |  |  |  |
| 129.7                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.0 | 127.3 | 0.5                    | 1.0   | 0.0   | 88.4                              | -45.1 | 54.4  | 70.7                   | 129.7 | 0.766 | 1.0                               | 0.0   | 90.2 | -33.1                 | 57.5  | 66.4 | 120                    | 0.5   | 1.0   | 0.0                               | 0.588 | 1.0   | 0.0                   | 88.9 | -41.6 | 55.3                                                     | 69.2  | 127  | 0.5   | 1.0   | 0.0   |       |  |  |  |
| 132.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 127.5 | 136.0 | 0.375                  | 1.0   | 0.0   | 87.8                              | -49.5 | 53.5  | 72.9                   | 132.8 | 0.556 | 1.0                               | 0.0   | 88.7 | -42.9                 | 55.0  | 69.8 | 128                    | 0.375 | 1.0   | 0.0                               | 0.188 | 1.0   | 0.0                   | 87.1 | -54.2 | 52.4                                                     | 75.5  | 136  | 0.375 | 1.0   | 0.0   |       |  |  |  |
| 135.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 135.0 | 144.7 | 0.25                   | 1.0   | 0.0   | 87.3                              | -52.8 | 52.7  | 74.7                   | 135.1 | 0.256 | 1.0                               | 0.0   | 87.3 | -52.7                 | 52.8  | 74.6 | 135                    | 0.25  | 1.0   | 0.0                               | 0.0   | 1.0   | 0.376                 | 87.1 | -52.3 | 36.7                                                     | 63.9  | 145  | 0.25  | 1.0   | 0.0   |       |  |  |  |
| 136.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 142.5 | 153.5 | 0.125                  | 1.0   | 0.0   | 86.9                              | -55.6 | 52.1  | 76.3                   | 136.9 | 0.0   | 1.0                               | 0.301 | 87.0 | -53.5                 | 40.4  | 67.1 | 143                    | 0.125 | 1.0   | 0.0                               | 0.0   | 1.0   | 0.598                 | 87.4 | -48.1 | 24.5                                                     | 54.1  | 153  | 0.125 | 1.0   | 0.0   |       |  |  |  |
| 137.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 150.0 | 162.2 | 0.0                    | 1.0   | 0.0   | 86.8                              | -56.8 | 51.9  | 77.0                   | 137.6 | 0.0   | 1.0                               | 0.523 | 87.3 | -49.5                 | 28.7  | 57.3 | 150                    | 0.0   | 1.0   | 0.0                               | 0.0   | 1.0   | 0.77                  | 87.8 | -44.2 | 14.4                                                     | 46.6  | 162  | 0.0   | 1.0   | 0.0   |       |  |  |  |
| 138.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 157.5 | 169.1 | 0.0                    | 1.0   | 0.125 | 86.8                              | -56.1 | 49.2  | 74.7                   | 138.8 | 0.0   | 1.0                               | 0.701 | 87.6 | -45.9                 | 18.6  | 49.6 | 158                    | 0.0   | 1.0   | 0.125                             | 0.0   | 1.0   | 0.863                 | 88.0 | -41.5 | 8.1                                                      | 42.4  | 169  | 0.0   | 1.0   | 0.125 |       |  |  |  |
| 141.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 165.0 | 175.9 | 0.0                    | 1.0   | 0.25  | 86.9                              | -54.2 | 43.0  | 69.3                   | 141.6 | 0.0   | 1.0                               | 0.81  | 87.9 | -43.2                 | 11.6  | 44.8 | 165                    | 0.0   | 1.0   | 0.25                              | 0.0   | 1.0   | 0.903                 | 88.3 | -40.1 | 2.8                                                      | 40.3  | 176  | 0.0   | 1.0   | 0.25  |       |  |  |  |
| 145.0                                                                                                                                                                                                                                                                                                                                                                                                                                         | 172.5 | 182.8 | 0.0                    | 1.0   | 0.375 | 87.1                              | -52.3 | 36.7  | 64.0                   | 145.0 | 0.0   | 1.0                               | 0.889 | 88.2 | -40.7                 | 5.0   | 41.1 | 173                    | 0.0   | 1.0   | 0.375                             | 0.0   | 1.0   | 0.934                 | 88.5 | -38.4 | -1.9                                                     | 38.6  | 183  | 0.0   | 1.0   | 0.375 |       |  |  |  |
| 149.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 180.0 | 189.6 | 0.0                    | 1.0   | 0.5   | 87.3                              | -49.9 | 30.0  | 58.3                   | 149.1 | 0.0   | 1.0                               | 0.921 | 88.4 | -39.2                 | 0.0   | 39.3 | 180                    | 0.0   | 1.0   | 0.5                               | 0.0   | 1.0   | 0.966                 | 88.8 | -36.1 | -6.3                                                     | 36.8  | 190  | 0.0   | 1.0   | 0.5   |       |  |  |  |
| 154.1                                                                                                                                                                                                                                                                                                                                                                                                                                         | 187.5 | 196.4 | 0.0                    | 1.0   | 0.625 | 87.5                              | -47.5 | 23.1  | 52.9                   | 154.1 | 0.0   | 1.0                               | 0.957 | 88.7 | -36.8                 | -5.1  | 37.3 | 188                    | 0.0   | 1.0   | 0.625                             | 0.0   | 1.0   | 0.993                 | 89.0 | -33.8 | -9.6                                                     | 35.3  | 196  | 0.0   | 1.0   | 0.625 |       |  |  |  |
| 160.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 195.0 | 203.3 | 0.0                    | 1.0   | 0.75  | 87.7                              | -44.7 | 15.9  | 47.5                   | 160.5 | 0.0   | 1.0                               | 0.988 | 88.9 | -34.2                 | -9.1  | 35.5 | 195                    | 0.0   | 1.0   | 0.75                              | 0.0   | 1.0   | 0.981                 | 1.0  | 87.7  | -31.4                                                    | -13.3 | 34.3 | 203   | 0.0   | 1.0   | 0.75  |  |  |  |
| 169.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 202.5 | 210.1 | 0.0                    | 1.0   | 0.875 | 88.1                              | -41.1 | 7.4   | 41.9                   | 169.9 | 0.0   | 0.981                             | 1.0   | 87.7 | -31.4                 | -13.3 | 34.3 | 203                    | 0.0   | 1.0   | 0.875                             | 0.0   | 1.0   | 0.956                 | 1.0  | 86.0  | -28.9                                                    | -16.6 | 33.4 | 210   | 0.0   | 1.0   | 0.875 |  |  |  |
| 197.7                                                                                                                                                                                                                                                                                                                                                                                                                                         | 210.0 | 217.0 | 0.0                    | 1.0   | 1.0   | 89.0                              | -33.1 | -10.5 | 34.9                   | 197.7 | 0.0   | 0.956                             | 1.0   | 86.0 | -28.9                 | -16.6 | 33.4 | 210                    | 0.0   | 1.0   | 1.0                               | 0.0   | 1.0   | 0.931                 | 1.0  | 84.2  | -26.0                                                    | -19.5 | 32.6 | 217   | 0.0   | 1.0   | 1.0   |  |  |  |
| 232.7                                                                                                                                                                                                                                                                                                                                                                                                                                         | 217.5 | 223.8 | 0.0                    | 0.875 | 1.0   | 80.4                              | -18.6 | -24.4 | 30.8                   | 232.7 | 0.0   | 0.927                             | 1.0   | 84.0 | -25.5                 | -19.9 | 32.5 | 218                    | 0.0   | 0.875 | 1.0                               | 0.0   | 0.906 | 1.0                   | 82.5 | -22.8 | -22.0                                                    | 31.8  | 224  | 0.0   | 0.875 | 1.0   |       |  |  |  |
| 255.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 225.0 | 230.7 | 0.0                    | 0.75  | 1.0   | 74.9                              | -8.4  | -33.4 | 34.5                   | 255.8 | 0.0   | 0.902                             | 1.0   | 82.3 | -22.3                 | -22.3 | 31.7 | 225                    | 0.0   | 0.75  | 1.0                               | 0.0   | 0.881 | 1.0                   | 80.8 | -19.4 | -24.0                                                    | 31.0  | 231  | 0.0   | 0.75  | 1.0   |       |  |  |  |
| 270.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 232.5 | 237.5 | 0.0                    | 0.625 | 1.0   | 70.5                              | 0.3   | -40.5 | 40.6                   | 270.5 | 0.0   | 0.873                             | 1.0   | 80.3 | -18.5                 | -24.6 | 30.9 | 233                    | 0.0   | 0.625 | 1.0                               | 0.0   | 0.846 | 1.0                   | 79.1 | -16.7 | -26.8                                                    | 31.7  | 238  | 0.0   | 0.625 | 1.0   |       |  |  |  |
| 279.9                                                                                                                                                                                                                                                                                                                                                                                                                                         | 240.0 | 244.4 | 0.0                    | 0.5   | 1.0   | 66.8                              | 8.2   | -46.5 | 47.3                   | 279.9 | 0.0   | 0.835                             | 1.0   | 78.6 | -15.9                 | -27.6 | 32.0 | 240                    | 0.0   | 0.5   | 1.0                               | 0.0   | 0.814 | 1.0                   | 77.7 | -14.2 | -29.2                                                    | 32.6  | 244  | 0.0   | 0.5   | 1.0   |       |  |  |  |
| 286.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 247.5 | 251.2 | 0.0                    | 0.375 | 1.0   | 63.4                              | 15.7  | -52.0 | 54.4                   | 286.8 | 0.0   | 0.792                             | 1.0   | 76.7 | -12.4                 | -30.8 | 33.3 | 248                    | 0.0   | 0.375 | 1.0                               | 0.0   | 0.776 | 1.0                   | 76.0 | -10.9 | -31.8                                                    | 33.8  | 251  | 0.0   | 0.375 | 1.0   |       |  |  |  |
| 291.8                                                                                                                                                                                                                                                                                                                                                                                                                                         | 255.0 | 258.0 | 0.0                    | 0.25  | 1.0   | 60.4                              | 22.9  | -57.0 | 61.5                   | 291.8 | 0.0   | 0.754                             | 1.0   | 75.0 | -8.8                  | -33.1 | 34.4 | 255                    | 0.0   | 0.25  | 1.0                               | 0.0   | 0.731 | 1.0                   | 74.2 | -7.3  | -34.6                                                    | 35.4  | 258  | 0.0   | 0.25  | 1.0   |       |  |  |  |
| 295.4                                                                                                                                                                                                                                                                                                                                                                                                                                         | 262.5 | 264.9 | 0.0                    | 0.125 | 1.0   | 57.9                              | 29.0  | -61.1 | 67.7                   | 295.4 | 0.0   | 0.688                             | 1.0   | 72.7 | -4.5                  | -37.1 | 37.5 | 263                    | 0.0   | 0.125 | 1.0                               | 0.0   | 0.671 | 1.0                   | 72.1 | -3.2  | -38.1                                                    | 38.3  | 265  | 0.0   | 0.125 | 1.0   |       |  |  |  |
| 296.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 270.0 | 271.7 | 0.0                    | 0.0   | 1.0   | 56.9                              | 31.5  | -62.8 | 70.3                   | 296.6 | 0.0   | 0.629                             | 1.0   | 70.6 | 0.0                   | -40.3 | 40.4 | 270                    | 0.0   | 0.0   | 1.0                               | 0.0   | 0.605 | 1.0                   | 69.9 | 1.5   | -41.6                                                    | 41.7  | 272  | 0.0   | 0.0   | 1.0   |       |  |  |  |
| 297.5                                                                                                                                                                                                                                                                                                                                                                                                                                         | 277.5 | 278.8 | 0.125                  | 0.0   | 1.0   | 57.2                              | 32.4  | -62.2 | 70.2                   | 297.5 | 0.0   | 0.526                             | 1.0   | 67.6 | 6.4                   | -45.4 | 45.9 | 278                    | 0.125 | 0.0   | 1.0                               | 0.0   | 0.512 | 1.0                   | 67.2 | 7.3   | -46.0                                                    | 46.6  | 279  | 0.125 | 0.0   | 1.0   |       |  |  |  |
| 299.6                                                                                                                                                                                                                                                                                                                                                                                                                                         | 285.0 | 286.0 | 0.25                   | 0.0   | 1.0   | 58.0                              | 34.6  | -60.8 | 70.1                   | 299.6 | 0.0   | 0.408                             | 1.0   | 64.3 | 13.6                  | -50.7 | 52.5 | 285                    | 0.25  | 0.0   | 1.0                               | 0.0   | 0.39  | 1.0                   | 63.8 | 14.8  | -51.4                                                    | 53.6  | 286  | 0.25  | 0.0   | 1.0   |       |  |  |  |
| 302.2                                                                                                                                                                                                                                                                                                                                                                                                                                         | 292.5 | 293.1 | 0.375                  | 0.0   | 1.0   | 59.0                              | 37.3  | -59.1 | 70.0                   | 302.2 | 0.0   | 0.209                             | 1.0   | 59.6 | 24.8                  | -58.4 | 63.5 | 293                    | 0.375 | 0.0   | 1.0                               | 0.0   | 0.209 | 1.0                   | 59.6 | 24.8  | -58.4                                                    | 63.5  | 293  | 0.375 | 0.0   | 1.0   |       |  |  |  |
| 305.4                                                                                                                                                                                                                                                                                                                                                                                                                                         | 300.0 | 300.2 | 0.5                    | 0.0   | 1.0   | 60.2                              | 40.6  | -56.9 | 70.0                   | 305.4 | 0.268 | 0.0                               | 1.0   | 58.1 | 35.0                  | -60.6 | 70.1 | 300                    | 0.5   | 0.0   | 1.0                               | 0.268 | 0.0   | 1.0                   | 58.1 | 35.0  | -60.6                                                    | 70.1  | 300  | 0.5   | 0.0   | 1.0   |       |  |  |  |



Daten der Maximalfarbe M im Farbmimetrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mix}(x=LabCh)$ | $rgb^*_{ds361Mi}$      | $LAB^*_{ds361Mix}(x=LabCh)$ | $rgb^*_{s50M}$ | $rgb^*_{de361Mi}$      | $LAB^*_{de361Mix}(x=LabCh)$ | $rgb^*_{e50M}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{de361Mi}$      |     |           |     |       |  |  |
|------------|------------|------------|-------------------|-----------------------------|------------------------|-----------------------------|----------------|------------------------|-----------------------------|----------------|-------------------|-------------------|------------------------|-----|-----------|-----|-------|--|--|
| 71         | 75         | 76         | 1.0               | 0.665 0.0                   | 78.1 14.1 40.9 43.3 71 | 1.0                         | 0.705 0.0      | 79.4 11.4 42.7 44.2 75 | 1.0                         | 0.75 0.0       | 1.0               | 0.714 0.0         | 79.7 10.7 43.1 44.4 76 | 1.0 | 0.75 0.0  |     |       |  |  |
| 72         | 76         | 77         | 1.0               | 0.675 0.0                   | 78.4 13.4 41.4 43.5 72 | 1.0                         | 0.714 0.0      | 79.7 10.7 43.1 44.4 76 | 1.0                         | 0.767 0.0      | 1.0               | 0.724 0.0         | 80.0 10.0 43.5 44.6 77 | 1.0 | 0.767 0.0 |     |       |  |  |
| 73         | 77         | 78         | 1.0               | 0.685 0.0                   | 78.7 12.8 41.8 43.7 73 | 1.0                         | 0.724 0.0      | 80.0 10.0 43.5 44.6 77 | 1.0                         | 0.783 0.0      | 1.0               | 0.734 0.0         | 80.3 9.3 43.9 44.9 78  | 1.0 | 0.783 0.0 |     |       |  |  |
| 74         | 78         | 79         | 1.0               | 0.695 0.0                   | 79.0 12.1 42.2 44.0 74 | 1.0                         | 0.734 0.0      | 80.3 9.3 43.9 44.9 78  | 1.0                         | 0.8 0.0        | 1.0               | 0.744 0.0         | 80.6 8.6 44.3 45.1 79  | 1.0 | 0.8 0.0   |     |       |  |  |
| 75         | 79         | 80         | 1.0               | 0.705 0.0                   | 79.4 11.4 42.7 44.2 75 | 1.0                         | 0.744 0.0      | 80.6 8.6 44.3 45.1 79  | 1.0                         | 0.817 0.0      | 1.0               | 0.754 0.0         | 80.9 7.9 44.8 45.4 80  | 1.0 | 0.817 0.0 |     |       |  |  |
| 76         | 80         | 81         | 1.0               | 0.714 0.0                   | 79.7 10.7 43.1 44.4 76 | 1.0                         | 0.754 0.0      | 80.9 7.9 44.8 45.4 80  | 1.0                         | 0.833 0.0      | 1.0               | 0.764 0.0         | 81.3 7.2 45.4 46.0 81  | 1.0 | 0.833 0.0 |     |       |  |  |
| 77         | 81         | 82         | 1.0               | 0.724 0.0                   | 80.0 10.0 43.5 44.6 77 | 1.0                         | 0.764 0.0      | 81.3 7.2 45.4 46.0 81  | 1.0                         | 0.85 0.0       | 1.0               | 0.774 0.0         | 81.7 6.5 46.0 46.5 82  | 1.0 | 0.85 0.0  |     |       |  |  |
| 78         | 82         | 83         | 1.0               | 0.734 0.0                   | 80.3 9.3 43.9 44.9 78  | 1.0                         | 0.774 0.0      | 81.7 6.5 46.0 46.5 82  | 1.0                         | 0.867 0.0      | 1.0               | 0.784 0.0         | 82.1 5.7 46.6 47.0 83  | 1.0 | 0.867 0.0 |     |       |  |  |
| 79         | 83         | 85         | 1.0               | 0.744 0.0                   | 80.6 8.6 44.3 45.1 79  | 1.0                         | 0.784 0.0      | 82.1 5.7 46.6 47.0 83  | 1.0                         | 0.883 0.0      | 1.0               | 0.804 0.0         | 82.9 4.2 47.8 48.0 85  | 1.0 | 0.883 0.0 |     |       |  |  |
| 80         | 84         | 86         | 1.0               | 0.754 0.0                   | 80.9 7.9 44.8 45.4 80  | 1.0                         | 0.794 0.0      | 82.5 5.0 47.2 47.5 84  | 1.0                         | 0.9 0.0        | 1.0               | 0.814 0.0         | 83.3 3.4 48.4 48.5 86  | 1.0 | 0.9 0.0   |     |       |  |  |
| 81         | 85         | 87         | 1.0               | 0.764 0.0                   | 81.3 7.2 45.4 46.0 81  | 1.0                         | 0.804 0.0      | 82.9 4.2 47.8 48.0 85  | 1.0                         | 0.917 0.0      | 1.0               | 0.824 0.0         | 83.7 2.6 49.0 49.0 87  | 1.0 | 0.917 0.0 |     |       |  |  |
| 82         | 86         | 88         | 1.0               | 0.774 0.0                   | 81.7 6.5 46.0 46.5 82  | 1.0                         | 0.814 0.0      | 83.3 3.4 48.4 48.5 86  | 1.0                         | 0.933 0.0      | 1.0               | 0.834 0.0         | 84.1 1.7 49.5 49.6 88  | 1.0 | 0.933 0.0 |     |       |  |  |
| 83         | 87         | 89         | 1.0               | 0.784 0.0                   | 82.1 5.7 46.6 47.0 83  | 1.0                         | 0.824 0.0      | 83.7 2.6 49.0 49.0 87  | 1.0                         | 0.95 0.0       | 1.0               | 0.844 0.0         | 84.5 0.9 50.1 50.1 89  | 1.0 | 0.95 0.0  |     |       |  |  |
| 84         | 88         | 90         | 1.0               | 0.794 0.0                   | 82.5 5.0 47.2 47.5 84  | 1.0                         | 0.834 0.0      | 84.1 1.7 49.5 49.6 88  | 1.0                         | 0.967 0.0      | 1.0               | 0.854 0.0         | 84.9 0.0 50.6 50.6 90  | 1.0 | 0.967 0.0 |     |       |  |  |
| 85         | 89         | 91         | 1.0               | 0.804 0.0                   | 82.9 4.2 47.8 48.0 85  | 1.0                         | 0.844 0.0      | 84.5 0.9 50.1 50.1 89  | 1.0                         | 0.983 0.0      | 1.0               | 0.864 0.0         | 85.3 -0.8 51.1 51.1 91 | 1.0 | 0.983 0.0 |     |       |  |  |
| 86         | 90         | 92         | 1.0               | 0.814 0.0                   | 83.3 3.4 48.4 48.5 86  | 1.0                         | 0.854 0.0      | 84.9 0.0 50.6 50.6 90  | 1.0                         | 1.0 0.0        | 1.0               | 0.874 0.0         | 85.7 -1.7 51.6 51.6 92 | 1.0 | 1.0 0.0   | 0.0 | $J_e$ |  |  |
| 87         | 91         | 93         | 1.0               | 0.824 0.0                   | 83.7 2.6 49.0 49.0 87  | 1.0                         | 0.864 0.0      | 85.3 -0.8 51.1 51.1 91 | 0.983                       | 1.0 0.0        | 1.0               | 0.884 0.0         | 86.3 -2.               |     |           |     |       |  |  |





| Daten der Maximalfarbe M im Farbmatrik-Sytem LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunntonwinkel der 60-Grad Standardfarben s: $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunntonwinkel der Gerätefarben d: $h_{ab,d} = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2$ ; Sechs Bunntonwinkel der Elementarfarben e: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                   |       |     |      |       |       |      |                             |     |       |     |      |       |       |                   |     |     |                             |     |     |                |     |      |                   |       |      |                             |     |       |                |     |       |                |     |       |           |           |           |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-------------------|-------|-----|------|-------|-------|------|-----------------------------|-----|-------|-----|------|-------|-------|-------------------|-----|-----|-----------------------------|-----|-----|----------------|-----|------|-------------------|-------|------|-----------------------------|-----|-------|----------------|-----|-------|----------------|-----|-------|-----------|-----------|-----------|-----|
| $h_{ab,d}$                                                                                                                                                                                                                                                                                                                                                                                                                 | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361Mi}$ |       |     |      |       |       |      | $LAB^*_{dd361Mix}(x=LabCh)$ |     |       |     |      |       |       | $rgb^*_{ds361Mi}$ |     |     | $LAB^*_{ds361Mix}(x=LabCh)$ |     |     | $rgb^*_{s50M}$ |     |      | $rgb^*_{de361Mi}$ |       |      | $LAB^*_{de361Mix}(x=LabCh)$ |     |       | $rgb^*_{e50M}$ |     |       | $rgb^*_{e50M}$ |     |       | $rgb^*_d$ | $rgb^*_s$ | $rgb^*_e$ |     |
| 206                                                                                                                                                                                                                                                                                                                                                                                                                        | 210        | 217        | 0.0               | 0.97  | 1.0 | 87.0 | -30.4 | -14.8 | 33.9 | 206                         | 0.0 | 0.956 | 1.0 | 86.0 | -28.9 | -16.6 | 33.4              | 210 | 0.0 | 1.0                         | 1.0 | 0.0 | 0.931          | 1.0 | 84.2 | -26.0             | -19.5 | 32.6 | 217                         | 0.0 | 1.0   | 1.0            | 0.0 | 0.983 | 1.0            | 0.0 | 0.983 | 1.0       | 0.0       | 0.983     | 1.0 |
| 207                                                                                                                                                                                                                                                                                                                                                                                                                        | 211        | 218        | 0.0               | 0.967 | 1.0 | 86.7 | -30.0 | -15.2 | 33.8 | 207                         | 0.0 | 0.952 | 1.0 | 85.7 | -28.5 | -17.1 | 33.3              | 211 | 0.0 | 0.983                       | 1.0 | 0.0 | 0.927          | 1.0 | 84.0 | -25.5             | -19.9 | 32.5 | 218                         | 0.0 | 0.983 | 1.0            | 0.0 | 0.983 | 1.0            | 0.0 | 0.983 | 1.0       | 0.0       | 0.983     | 1.0 |
| 208                                                                                                                                                                                                                                                                                                                                                                                                                        | 212        | 219        | 0.0               | 0.963 | 1.0 | 86.5 | -29.6 | -15.7 | 33.7 | 208                         | 0.0 | 0.949 | 1.0 | 85.5 | -28.1 | -17.5 | 33.2              | 212 | 0.0 | 0.967                       | 1.0 | 0.0 | 0.924          | 1.0 | 83.7 | -25.1             | -20.3 | 32.4 | 219                         | 0.0 | 0.967 | 1.0            | 0.0 | 0.967 | 1.0            | 0.0 | 0.967 | 1.0       | 0.0       | 0.967     | 1.0 |
| 209                                                                                                                                                                                                                                                                                                                                                                                                                        | 213        | 220        | 0.0               | 0.96  | 1.0 | 86.2 | -29.3 | -16.2 | 33.6 | 209                         | 0.0 | 0.945 | 1.0 | 85.2 | -27.7 | -17.9 | 33.1              | 213 | 0.0 | 0.95                        | 1.0 | 0.0 | 0.92           | 1.0 | 83.5 | -24.6             | -20.7 | 32.3 | 220                         | 0.0 | 0.95  | 1.0            | 0.0 | 0.95  | 1.0            | 0.0 | 0.95  | 1.0       | 0.0       | 0.95      | 1.0 |
| 210                                                                                                                                                                                                                                                                                                                                                                                                                        | 214        | 221        | 0.0               | 0.956 | 1.0 | 86.0 | -28.9 | -16.6 | 33.4 | 210                         | 0.0 | 0.942 | 1.0 | 85.0 | -27.3 | -18.3 | 33.0              | 214 | 0.0 | 0.933                       | 1.0 | 0.0 | 0.917          | 1.0 | 83.3 | -24.2             | -21.0 | 32.2 | 221                         | 0.0 | 0.933 | 1.0            | 0.0 | 0.933 | 1.0            | 0.0 | 0.933 | 1.0       | 0.0       | 0.933     | 1.0 |
| 211                                                                                                                                                                                                                                                                                                                                                                                                                        | 215        | 222        | 0.0               | 0.952 | 1.0 | 85.7 | -28.5 | -17.1 | 33.3 | 211                         | 0.0 | 0.938 | 1.0 | 84.7 | -26.8 | -18.8 | 32.9              | 215 | 0.0 | 0.917                       | 1.0 | 0.0 | 0.913          | 1.0 | 83.0 | -23.7             | -21.4 | 32.1 | 222                         | 0.0 | 0.917 | 1.0            | 0.0 | 0.917 | 1.0            | 0.0 | 0.917 | 1.0       | 0.0       | 0.917     | 1.0 |
| 212                                                                                                                                                                                                                                                                                                                                                                                                                        | 216        | 222        | 0.0               | 0.949 | 1.0 | 85.5 | -28.1 | -17.5 | 33.2 | 212                         | 0.0 | 0.935 | 1.0 | 84.5 | -26.4 | -19.2 | 32.8              | 216 | 0.0 | 0.9                         | 1.0 | 0.0 | 0.913          | 1.0 | 83.0 | -23.7             | -21.4 | 32.1 | 222                         | 0.0 | 0.9   | 1.0            | 0.0 | 0.9   | 1.0            | 0.0 | 0.9   | 1.0       | 0.0       | 0.9       | 1.0 |
| 213                                                                                                                                                                                                                                                                                                                                                                                                                        | 217        | 223        | 0.0               | 0.945 | 1.0 | 85.2 | -27.7 | -17.9 | 33.1 | 213                         | 0.0 | 0.931 | 1.0 | 84.2 | -26.0 | -19.5 | 32.6              | 217 | 0.0 | 0.883                       | 1.0 | 0.0 | 0.91           | 1.0 | 82.8 | -23.3             | -21.7 | 32.0 | 223                         | 0.0 | 0.883 | 1.0            | 0.0 | 0.883 | 1.0            | 0.0 | 0.883 | 1.0       | 0.0       | 0.883     | 1.0 |
| 214                                                                                                                                                                                                                                                                                                                                                                                                                        | 218        | 224        | 0.0               | 0.942 | 1.0 | 85.0 | -27.3 | -18.3 | 33.0 | 214                         | 0.0 | 0.927 | 1.0 | 84.0 | -25.5 | -19.9 | 32.5              | 218 | 0.0 | 0.867                       | 1.0 | 0.0 | 0.906          | 1.0 | 82.5 | -22.8             | -22.0 | 31.8 | 224                         | 0.0 | 0.867 | 1.0            | 0.0 | 0.867 | 1.0            | 0.0 | 0.867 | 1.0       | 0.0       | 0.867     | 1.0 |
| 215                                                                                                                                                                                                                                                                                                                                                                                                                        | 219        | 225        | 0.0               | 0.938 | 1.0 | 84.7 | -26.8 | -18.8 | 32.9 | 215                         | 0.0 | 0.924 | 1.0 | 83.7 | -25.1 | -20.3 | 32.4              | 219 | 0.0 | 0.85                        | 1.0 | 0.0 | 0.902          | 1.0 | 82.3 | -22.3             | -22.3 | 31.7 | 225                         | 0.0 | 0.85  | 1.0            | 0.0 | 0.85  | 1.0            | 0.0 | 0.85  | 1.0       | 0.0       | 0.85      | 1.0 |
| 216                                                                                                                                                                                                                                                                                                                                                                                                                        | 220        | 226        | 0.0               | 0.935 | 1.0 | 84.5 | -26.4 | -19.2 | 32.8 | 216                         | 0.0 | 0.92  | 1.0 | 83.5 | -24.6 | -20.7 | 32.3              | 220 | 0.0 | 0.833                       | 1.0 | 0.0 | 0.899          | 1.0 | 82.0 | -21.9             | -22.6 | 31.6 | 226                         | 0.0 | 0.833 | 1.0            | 0.0 | 0.833 | 1.0            | 0.0 | 0.833 | 1.0       | 0.0       | 0.833     | 1.0 |
| 217                                                                                                                                                                                                                                                                                                                                                                                                                        | 221        | 227        | 0.0               | 0.931 | 1.0 | 84.2 | -26.0 | -19.5 | 32.6 | 217                         | 0.0 | 0.917 | 1.0 | 83.3 | -24.2 | -21.0 | 32.2              | 221 | 0.0 | 0.817                       | 1.0 | 0.0 | 0.895          | 1.0 | 81.8 | -21.4             | -22.9 | 31.5 | 227                         | 0.0 | 0.817 | 1.0            | 0.0 | 0.817 | 1.0            | 0.0 | 0.817 | 1.0       | 0.0       | 0.817     | 1.0 |
| 218                                                                                                                                                                                                                                                                                                                                                                                                                        | 222        | 228        | 0.0               | 0.927 | 1.0 | 84.0 | -25.5 | -19.9 | 32.5 | 218                         | 0.0 | 0.913 | 1.0 | 83.0 | -23.7 | -21.4 | 32.1              | 222 | 0.0 | 0.8                         | 1.0 | 0.0 | 0.892          | 1.0 | 81.5 | -20.9             | -23.2 | 31.4 | 228                         | 0.0 | 0.8   | 1.0            | 0.0 | 0.8   | 1.0            | 0.0 | 0.8   | 1.0       | 0.0       | 0.8       | 1.0 |
| 219                                                                                                                                                                                                                                                                                                                                                                                                                        | 223        | 229        | 0.0               | 0.924 | 1.0 | 83.7 | -25.1 | -20.3 | 32.4 | 219                         | 0.0 | 0.91  | 1.0 | 82.8 | -23.3 | -21.7 | 32.0              | 223 | 0.0 | 0.783                       | 1.0 | 0.0 | 0.888          | 1.0 | 81.3 | -20.4             | -23.5 | 31.3 | 229                         | 0.0 | 0.783 | 1.0            | 0.0 | 0.783 | 1.0            | 0.0 | 0.783 | 1.0       | 0.0       | 0.783     | 1.0 |
| 220                                                                                                                                                                                                                                                                                                                                                                                                                        | 224        | 230        | 0.0               | 0.92  | 1.0 | 83.5 | -24.6 | -20.7 | 32.3 | 220                         | 0.0 | 0.906 | 1.0 | 82.5 | -22.8 | -22.0 | 31.8              | 224 | 0.0 | 0.767                       | 1.0 | 0.0 | 0.885          | 1.0 | 81.0 | -19.9             | -23.8 | 31.2 | 230                         | 0.0 | 0.767 | 1.0            | 0.0 | 0.767 | 1.0            | 0.0 | 0.767 | 1.0       | 0.0       | 0.767     | 1.0 |
| 221                                                                                                                                                                                                                                                                                                                                                                                                                        | 225        | 231        | 0.0               | 0.917 | 1.0 | 83.3 | -24.2 | -21.0 | 32.2 | 221                         | 0.0 | 0.902 | 1.0 | 82.3 | -22.3 | -22.3 | 31.7              | 225 | 0.0 | 0.75                        | 1.0 | 0.0 | 0.881          | 1.0 | 80.8 | -19.4             | -24.0 | 31.0 | 231                         | 0.0 | 0.75  | 1.0            | 0.0 | 0.75  | 1.0            | 0.0 | 0.75  | 1.0       | 0.0       | 0.75      | 1.0 |
| 222                                                                                                                                                                                                                                                                                                                                                                                                                        | 226        | 232        | 0.0               | 0.913 | 1.0 | 83.0 | -23.7 | -21.4 | 32.1 | 222                         | 0.0 | 0.899 | 1.0 | 82.0 | -21.9 | -22.6 | 31.6              | 226 | 0.0 | 0.733                       | 1.0 | 0.0 | 0.878          | 1.0 | 80.5 | -18.9             | -24.3 | 30.9 | 232                         | 0.0 | 0.733 | 1.0            | 0.0 | 0.733 | 1.0            | 0.0 | 0.733 | 1.0       | 0.0       | 0.733     | 1.0 |
| 223                                                                                                                                                                                                                                                                                                                                                                                                                        | 227        | 232        | 0.0               | 0.91  | 1.0 | 82.8 | -23.3 | -21.7 | 32.0 | 223                         | 0.0 | 0.895 | 1.0 | 81.8 | -21.4 | -22.9 | 31.5              | 227 | 0.0 | 0.717                       | 1.0 | 0.0 | 0.878          | 1.0 | 80.5 | -18.9             | -24.3 | 30.9 | 232                         | 0.0 | 0.717 | 1.0            | 0.0 | 0.717 | 1.0            | 0.0 | 0.717 | 1.0       | 0.0       | 0.717     | 1.0 |
| 224                                                                                                                                                                                                                                                                                                                                                                                                                        | 228        | 233        | 0.0               | 0.906 | 1.0 | 82.5 | -22.8 | -22.0 | 31.8 | 224                         | 0.0 | 0.892 | 1.0 | 81.5 | -20.9 | -23.2 | 31.4              | 228 | 0.0 | 0.7                         | 1.0 | 0.0 | 0.873          | 1.0 | 80.3 | -18.5             | -24.6 | 30.9 | 233                         | 0.0 | 0.7   | 1.0            | 0.0 | 0.7   | 1.0            | 0.0 | 0.7   | 1.0       | 0.0       | 0.7       | 1.0 |
| 225                                                                                                                                                                                                                                                                                                                                                                                                                        | 229        | 234        | 0.0               | 0.902 | 1.0 | 82.3 | -22.3 | -22.3 | 31.7 | 225                         | 0.0 | 0.888 | 1.0 | 81.3 | -20.4 | -23.5 | 31.3              | 229 | 0.0 | 0.683                       | 1.0 | 0.0 | 0.868          | 1.0 | 80.1 | -18.2             | -25.0 | 31.1 | 234                         | 0.0 | 0.683 | 1.0            | 0.0 | 0.683 | 1.0            | 0.0 | 0.683 | 1.0       | 0.0       | 0.683     | 1.0 |
| 226                                                                                                                                                                                                                                                                                                                                                                                                                        | 230        | 235        | 0.0               | 0.899 | 1.0 | 82.0 | -21.9 | -22.6 | 31.6 | 226                         | 0.0 | 0.885 | 1.0 | 81.0 | -19.9 | -23.8 | 31.2              | 230 | 0.0 | 0.667                       | 1.0 | 0.0 | 0.863          | 1.0 | 79.8 | -17.8             | -25.5 | 31.2 | 235                         | 0.0 | 0.667 | 1.0            | 0.0 | 0.667 | 1.0            | 0.0 | 0.667 | 1.0       | 0.0       | 0.667     | 1.0 |
| 227                                                                                                                                                                                                                                                                                                                                                                                                                        | 231        | 236        | 0.0               | 0.895 | 1.0 | 81.8 | -21.4 | -22.9 | 31.5 | 227                         | 0.0 | 0.881 | 1.0 | 80.8 | -19.4 | -24.0 | 31.0              | 231 | 0.0 | 0.65                        | 1.0 | 0.0 | 0.857          | 1.0 | 79.6 | -17.4             | -25.9 | 31.4 | 236                         | 0.0 | 0.65  | 1.0            | 0.0 | 0.65  | 1.0            | 0.0 | 0.65  | 1.0       | 0.0       | 0.65      | 1.0 |
| 228                                                                                                                                                                                                                                                                                                                                                                                                                        | 232        | 237        | 0.0               | 0.892 | 1.0 | 81.5 | -20.9 | -23.2 | 31.4 | 228                         | 0.0 | 0.878 | 1.0 | 80.5 | -18.9 | -24.3 | 30.9              | 232 | 0.0 | 0.633                       | 1.0 | 0.0 | 0.852          | 1.0 | 79.3 | -17.1             | -26.3 | 31.5 | 237                         | 0.0 | 0.633 | 1.0            | 0.0 | 0.633 | 1.0            | 0.0 | 0.633 | 1.0       | 0.0       | 0.633     | 1.0 |
| 229                                                                                                                                                                                                                                                                                                                                                                                                                        | 233        | 238        | 0.0               | 0.888 | 1.0 | 81.3 | -20.4 | -23.5 | 31.3 | 229                         | 0.0 | 0.873 | 1.0 | 80.3 | -18.5 | -24.6 | 30.9              | 233 | 0.0 | 0.617                       | 1.0 | 0.0 | 0.846          | 1.0 | 79.1 | -16.7             | -26.8 | 31.7 | 238                         | 0.0 | 0.617 | 1.0            | 0.0 | 0.617 | 1.0            | 0.0 | 0.617 | 1.0       | 0.0       | 0.617     | 1.0 |
| 230                                                                                                                                                                                                                                                                                                                                                                                                                        | 234        | 239        | 0.0               | 0.885 | 1.0 | 81.0 | -19.9 | -23.8 | 31.2 | 230                         | 0.0 | 0.868 | 1.0 | 80.1 | -18.2 | -25.0 | 31.1              | 234 | 0.0 | 0.6                         | 1.0 | 0.0 | 0.841          | 1.0 | 78.9 | -16.3             | -27.2 | 31.9 | 239                         | 0.0 | 0.6   | 1.0            | 0.0 | 0.6   | 1.0            | 0.0 | 0.6   | 1.0       | 0.0       | 0.6       | 1.0 |
| 231                                                                                                                                                                                                                                                                                                                                                                                                                        | 235        | 240        | 0.0               | 0.881 | 1.0 | 80.8 | -19.4 | -24.0 | 31.0 | 231                         | 0.0 | 0.863 | 1.0 | 79.8 | -17.8 | -25.5 | 31.2              | 235 | 0.0 | 0.583                       | 1.0 | 0.0 | 0.835          | 1.0 | 78.6 | -15.9             | -27.6 | 32.0 | 240                         | 0.0 | 0.583 | 1.0            | 0.0 | 0.583 | 1.0            | 0.0 | 0.583 | 1.0       | 0.0       | 0.583     | 1.0 |
| 232                                                                                                                                                                                                                                                                                                                                                                                                                        | 236        | 241        | 0.0               | 0.878 | 1.0 | 80.5 | -18.9 | -24.3 | 30.9 | 232                         | 0.0 | 0.857 | 1.0 | 79.6 | -17.4 | -25.9 | 31.4              | 236 | 0.0 | 0.567                       | 1.0 | 0.0 | 0.83           | 1.0 | 78.4 | -15.5             | -28.0 | 32.2 | 241                         | 0.0 | 0.567 | 1.0            | 0.0 | 0.567 | 1.0            | 0.0 | 0.567 | 1.0       | 0.0       | 0.567     | 1.0 |
| 233                                                                                                                                                                                                                                                                                                                                                                                                                        | 237        | 242        | 0.0               | 0.873 | 1.0 | 80.3 | -18.5 | -24.6 | 30.9 | 233                         | 0.0 | 0.852 | 1.0 | 79.3 | -17.1 | -26.3 | 31.5              | 237 | 0.0 | 0.55                        | 1.0 | 0.0 | 0.825          | 1.0 | 78.1 | -15.1             | -28.4 | 32.3 | 242                         | 0.0 | 0.55  | 1.0            | 0.0 | 0.55  | 1.0            | 0.0 | 0.55  | 1.0       | 0.0       | 0.55      | 1.0 |
| 234                                                                                                                                                                                                                                                                                                                                                                                                                        | 238        | 243        | 0.0               | 0.868 | 1.0 | 80.1 | -18.2 | -25.0 | 31.1 | 234                         | 0.0 | 0.846 | 1.0 | 79.1 | -16.7 | -26.8 | 31.7              | 238 | 0.0 | 0.533                       | 1.0 | 0.0 | 0.819          | 1.0 | 77.9 | -14.6             | -28.8 | 32.5 | 243                         | 0.0 | 0.533 | 1.0            | 0.0 | 0.533 | 1.0            | 0.0 | 0.533 | 1.0       | 0.0       | 0.533     | 1.0 |
| 235                                                                                                                                                                                                                                                                                                                                                                                                                        | 239        | 243        | 0.0               | 0.863 | 1.0 | 79.8 | -17.8 | -25.5 | 31.2 | 235                         | 0.0 | 0.841 | 1.0 | 78.9 | -16.3 | -27.2 | 31.9              | 239 | 0.0 | 0.517                       | 1.0 | 0.0 | 0.819          | 1.0 | 77.9 | -14.6             | -28.8 | 32.5 | 243                         | 0.0 | 0.517 | 1.0            | 0.0 | 0.517 | 1.0            | 0.0 | 0.517 | 1.0       | 0.0       | 0.517     | 1.0 |
| 236                                                                                                                                                                                                                                                                                                                                                                                                                        | 240        | 244        | 0.0               | 0.857 | 1.0 | 79.6 | -17.4 | -25.9 | 31.4 | 236                         | 0.0 | 0.835 | 1.0 | 78.6 | -15.9 | -27.6 | 32.0              | 240 | 0.0 | 0.5                         | 1.0 | 0.0 | 0.814          | 1.0 | 77.7 | -14.2             | -29.2 | 32.6 | 244                         | 0.0 | 0.5   | 1.0            | 0.0 | 0.5   | 1.0            | 0.0 | 0.5   | 1.0       | 0.0       | 0.5       | 1.0 |
| 237</                                                                                                                                                                                                                                                                                                                                                                                                                      |            |            |                   |       |     |      |       |       |      |                             |     |       |     |      |       |       |                   |     |     |                             |     |     |                |     |      |                   |       |      |                             |     |       |                |     |       |                |     |       |           |           |           |     |

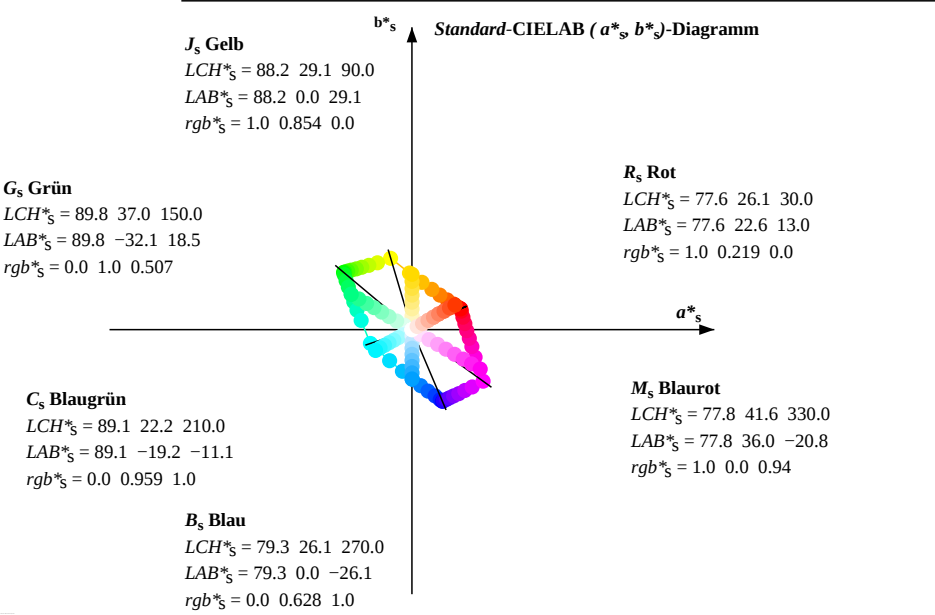
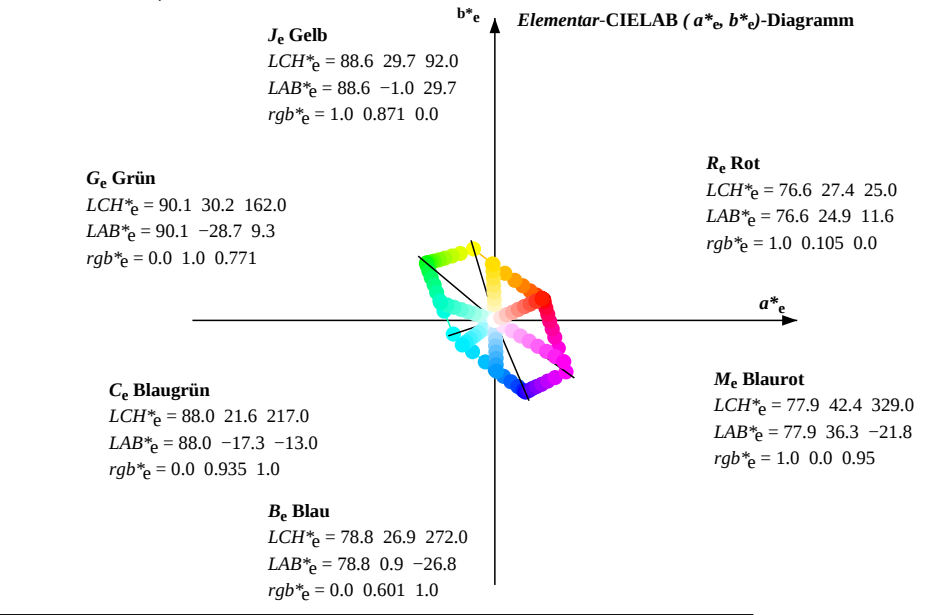
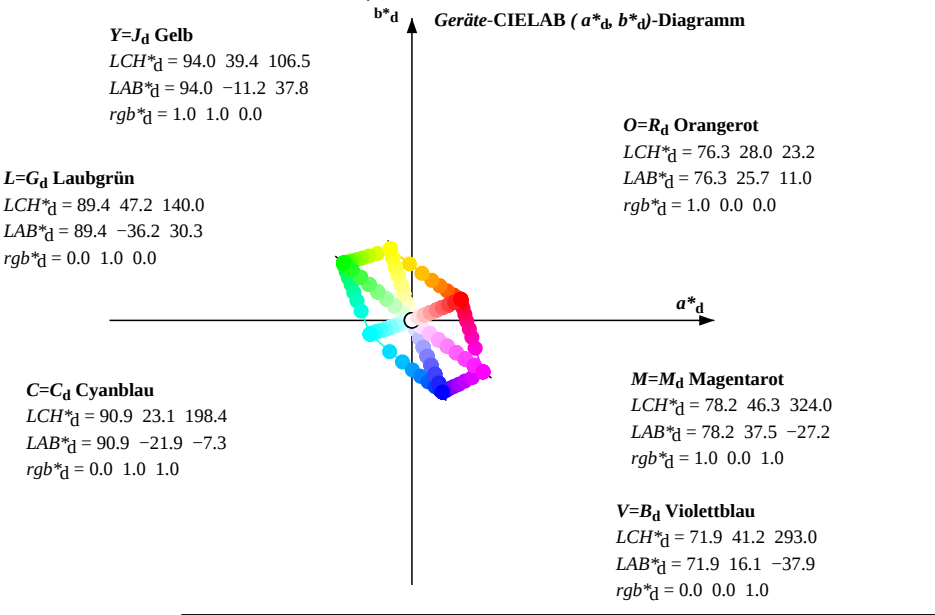
Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Buntonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Buntonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2$ ; Sechs Buntonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]



Daten der Maximalfarbe M im Farbmatrik-System LECD-Monitor, wenig Glanz, keine Separation, D65 für Ein- oder Ausgabe; Sechs Bunttonwinkel der 60-Grad Standardfarben  $s$ :  $h_{ab,s} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Sechs Bunttonwinkel der Gerätefarben  $d$ :  $h_{ab,d} = 26.5, 104.6, 137.6, 197.7, 296.6, 325.2$ ; Sechs Bunttonwinkel der Elementarfarben  $e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]



**Anmerkung zu den CIELAB-Buntheits-Diagrammen ( $a^*_d, b^*_d$ ), ( $a^*_s, b^*_s$ ), ( $a^*_e, b^*_e$ )**

- Für die  $rgb^*_d$ -Eingabedaten wurden die CIELAB-Daten  $LCH^*_d$  und  $LAB^*_d$  gemessen.  
 $h_{ab,s} \ rgb^*_d$   
 $h_{ab,s} = \text{atan} [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ]$  (1)
- Für die 48 oder 360 gleichabständig gestuften Standard-Bunttonwinkel  $h_{ab,s}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der 60Grad-Farben s:  $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Bunttonkreis:  
 $h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (2)  
 $h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (3)
- Für die 48 oder 360 Elementar-Bunttonwinkel  $h_{ab,e}$  der Farben von maximaler Buntheit benutze die sieben Bunttonwinkel der Elementar-Farben e:  $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$  ( $i=0,6$ ) und die Gleichungen für einen 48- und 360-stufigen Elementar-Bunttonkreis:  
 $h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 7$ ) (4)  
 $h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60$  ( $i = 0, 1, \dots, 5; j = 0, 1, \dots, 59$ ) (5)
- Für jeden Elementar-Bunttonwinkel  $h_{ab,e}$  gibt es einen genau definierten Geräte-Bunttonwinkel  $h_{ab,d}$  siehe die folgenden Tabellen, Spalten 1 bis 3.
- Die Werte  $rgb^*_de$  erzeugen die Ausgabe der geräteunabhängigen Elementar-Bunttöne

















