

| Farbreize für gerade unterscheidbare Farb-Schwellen (p=50%) in 2 Richtungen                                                                                                                                                            |                             |                           |                           |                                |                             |                           |                           |                           |                                    |      |      |                                     |               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------|---------------------------|--------------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|------------------------------------|------|------|-------------------------------------|---------------|
| Nummer<br>Farb-<br>Serie                                                                                                                                                                                                               | CIELAB-Differenzen          |                           |                           |                                | LABJND-Differenzen          |                           |                           |                           | Farb-Differenzen<br>andere Formeln |      |      | Bemerkungen<br>Experiment-<br>Serie |               |
|                                                                                                                                                                                                                                        | Helligkeit,<br>$\Delta L^*$ | Buntheit,<br>$\Delta a^*$ | Buntheit,<br>$\Delta b^*$ | Buntheit,<br>$\Delta E^*_{ab}$ | Helligkeit,<br>$\Delta L^*$ | Buntheit,<br>$\Delta a^*$ | Buntheit,<br>$\Delta b^*$ | Buntheit,<br>$\Delta E^*$ | CMC                                | C94  | C00  |                                     |               |
| 0                                                                                                                                                                                                                                      | GDV                         | 0.04                      | -3.07                     | 2.2                            | 3.78                        | 0.5                       | -1.91                     | 1.87                      | 2.72                               | 1.13 | 0.72 | 0.71                                | _BY           |
| 1                                                                                                                                                                                                                                      | GDV                         | 0.03                      | -1.88                     | 1.06                           | 2.16                        | 0.39                      | -1.66                     | 1.6                       | 2.34                               | 0.75 | 0.55 | 0.54                                | graues Umfeld |
| 2                                                                                                                                                                                                                                      | GDV                         | 0.03                      | -1.35                     | 0.66                           | 1.51                        | 0.4                       | -1.7                      | 1.55                      | 2.34                               | 0.68 | 0.57 | 0.56                                | $Y_G=16.6$    |
| 3                                                                                                                                                                                                                                      | GDV                         | 0.03                      | -1.23                     | 0.56                           | 1.35                        | 0.39                      | -1.96                     | 1.65                      | 2.6                                | 0.83 | 0.72 | 0.79                                | mit weissem   |
| 4                                                                                                                                                                                                                                      | GDV                         | 0.02                      | -1.06                     | 0.46                           | 1.15                        | 0.27                      | -2.01                     | 1.6                       | 2.58                               | 1.06 | 0.86 | 1.07                                | Rand          |
| 5                                                                                                                                                                                                                                      | GDV                         | 0.02                      | -0.79                     | 0.35                           | 0.86                        | 0.26                      | -1.71                     | 1.34                      | 2.19                               | 1.24 | 0.85 | 1.21                                | $X_W=90.38$   |
| 6                                                                                                                                                                                                                                      | GDV                         | 0.02                      | -0.96                     | 0.41                           | 1.04                        | 0.3                       | -2.08                     | 1.66                      | 2.68                               | 0.89 | 0.71 | 0.92                                | $Y_W=100.0$   |
| 7                                                                                                                                                                                                                                      | GDV                         | 0.02                      | -1.0                      | 0.41                           | 1.08                        | 0.3                       | -2.12                     | 1.78                      | 2.79                               | 0.64 | 0.54 | 0.59                                | $Z_W=87.54$   |
| 8                                                                                                                                                                                                                                      | GDV                         | 0.04                      | -1.11                     | 0.47                           | 1.21                        | 0.47                      | -2.3                      | 2.09                      | 3.14                               | 0.59 | 0.49 | 0.5                                 | $x_W=0.3251$  |
| 9                                                                                                                                                                                                                                      | GDV                         | 0.04                      | -1.12                     | 0.46                           | 1.21                        | 0.46                      | -2.28                     | 2.11                      | 3.15                               | 0.54 | 0.44 | 0.44                                | $y_W=0.3598$  |
| 10                                                                                                                                                                                                                                     | GDV                         | 0.04                      | -1.06                     | 0.44                           | 1.15                        | 0.47                      | -2.13                     | 2.05                      | 3.0                                | 0.48 | 0.38 | 0.38                                |               |
| 11                                                                                                                                                                                                                                     | RDC                         | 0.03                      | -0.86                     | 1.88                           | 2.07                        | 0.4                       | -1.49                     | 1.46                      | 2.13                               | 1.67 | 0.88 | 1.03                                | _BY           |
| 12                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -0.76                     | 0.85                           | 1.14                        | 0.28                      | -1.39                     | 1.36                      | 1.97                               | 1.07 | 0.57 | 0.63                                | graues Umfeld |
| 13                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -0.89                     | 0.59                           | 1.07                        | 0.27                      | -1.72                     | 1.71                      | 2.44                               | 0.97 | 0.54 | 0.53                                | $Y_G=16.6$    |
| 14                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -0.9                      | 0.56                           | 1.06                        | 0.26                      | -1.83                     | 1.64                      | 2.48                               | 1.28 | 0.67 | 0.69                                | mit weissem   |
| 15                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -0.72                     | 0.36                           | 0.81                        | 0.27                      | -1.52                     | 1.26                      | 2.0                                | 1.19 | 0.6  | 0.71                                | Rand          |
| 16                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -0.79                     | 0.35                           | 0.87                        | 0.26                      | -1.71                     | 1.35                      | 2.19                               | 1.23 | 0.85 | 1.2                                 | $X_W=90.38$   |
| 17                                                                                                                                                                                                                                     | RDC                         | 0.02                      | -1.04                     | 0.42                           | 1.12                        | 0.28                      | -1.83                     | 1.67                      | 2.5                                | 0.94 | 0.8  | 0.94                                | $Y_W=100.0$   |
| 18                                                                                                                                                                                                                                     | RDC                         | 0.03                      | -1.55                     | 0.5                            | 1.63                        | 0.39                      | -2.01                     | 2.0                       | 2.86                               | 0.85 | 0.79 | 0.8                                 | $Z_W=87.54$   |
| 19                                                                                                                                                                                                                                     | RDC                         | 0.03                      | -1.68                     | 0.5                            | 1.76                        | 0.36                      | -1.85                     | 2.0                       | 2.75                               | 0.79 | 0.72 | 0.72                                | $x_W=0.3251$  |
| 20                                                                                                                                                                                                                                     | RDC                         | 0.03                      | -1.77                     | 0.49                           | 1.84                        | 0.37                      | -1.65                     | 1.96                      | 2.59                               | 0.73 | 0.64 | 0.64                                | $y_W=0.3598$  |
| 21                                                                                                                                                                                                                                     | RDC                         | 0.03                      | -2.14                     | 0.54                           | 2.21                        | 0.36                      | -1.73                     | 2.16                      | 2.79                               | 0.81 | 0.67 | 0.68                                |               |
| 22                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 2.56                      | 1.73                           | 3.09                        | 0.12                      | 1.64                      | 1.48                      | 2.22                               | 1.24 | 1.16 | 0.96                                | _RC           |
| 23                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 1.63                      | 0.82                           | 1.83                        | 0.11                      | 1.48                      | 1.25                      | 1.95                               | 0.81 | 0.8  | 0.69                                | graues Umfeld |
| 24                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 1.38                      | 0.59                           | 1.5                         | 0.12                      | 1.77                      | 1.4                       | 2.26                               | 0.83 | 0.82 | 0.75                                | $Y_G=16.6$    |
| 25                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.95                      | 0.37                           | 1.02                        | 0.13                      | 1.53                      | 1.11                      | 1.9                                | 0.74 | 0.67 | 0.71                                | mit weissem   |
| 26                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.81                      | 0.3                            | 0.87                        | 0.11                      | 1.56                      | 1.05                      | 1.88                               | 0.88 | 0.7  | 0.87                                | Rand          |
| 27                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.67                      | 0.24                           | 0.72                        | 0.13                      | 1.47                      | 0.93                      | 1.74                               | 1.03 | 0.7  | 1.03                                | $X_W=90.38$   |
| 28                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.85                      | 0.3                            | 0.91                        | 0.14                      | 1.84                      | 1.23                      | 2.22                               | 1.35 | 0.74 | 0.89                                | $Y_W=100.0$   |
| 29                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.92                      | 0.31                           | 0.97                        | 0.15                      | 1.91                      | 1.34                      | 2.34                               | 1.08 | 0.63 | 0.64                                | $Z_W=87.54$   |
| 30                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.9                       | 0.29                           | 0.95                        | 0.15                      | 1.82                      | 1.31                      | 2.25                               | 0.88 | 0.54 | 0.51                                | $x_W=0.3251$  |
| 31                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.91                      | 0.29                           | 0.95                        | 0.15                      | 1.79                      | 1.32                      | 2.23                               | 0.8  | 0.5  | 0.46                                | $y_W=0.3598$  |
| 32                                                                                                                                                                                                                                     | GDV                         | 0.01                      | 0.91                      | 0.29                           | 0.95                        | 0.15                      | 1.75                      | 1.32                      | 2.2                                | 0.74 | 0.47 | 0.43                                |               |
| 33                                                                                                                                                                                                                                     | RDC                         | 0.02                      | 1.19                      | 2.53                           | 2.8                         | 0.26                      | 1.92                      | 1.98                      | 2.77                               | 1.33 | 0.76 | 0.84                                | _RC           |
| 34                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 0.98                      | 1.05                           | 1.44                        | 0.13                      | 1.73                      | 1.69                      | 2.42                               | 0.65 | 0.43 | 0.44                                | graues Umfeld |
| 35                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 1.01                      | 0.61                           | 1.18                        | 0.12                      | 1.89                      | 1.76                      | 2.59                               | 0.63 | 0.44 | 0.44                                | $Y_G=16.6$    |
| 36                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 0.84                      | 0.44                           | 0.95                        | 0.11                      | 1.68                      | 1.3                       | 2.13                               | 0.54 | 0.45 | 0.46                                | mit weissem   |
| 37                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 0.77                      | 0.32                           | 0.83                        | 0.11                      | 1.61                      | 1.12                      | 1.97                               | 0.68 | 0.56 | 0.67                                | Rand          |
| 38                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 0.6                       | 0.2                            | 0.63                        | 0.11                      | 1.3                       | 0.79                      | 1.52                               | 0.89 | 0.61 | 0.89                                | $X_W=90.38$   |
| 39                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 1.25                      | 0.41                           | 1.32                        | 0.12                      | 2.22                      | 1.62                      | 2.76                               | 0.96 | 0.82 | 1.02                                | $Y_W=100.0$   |
| 40                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 1.35                      | 0.36                           | 1.4                         | 0.13                      | 1.78                      | 1.46                      | 2.31                               | 0.67 | 0.57 | 0.58                                | $Z_W=87.54$   |
| 41                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 1.7                       | 0.42                           | 1.75                        | 0.11                      | 1.91                      | 1.66                      | 2.53                               | 0.72 | 0.59 | 0.6                                 | $x_W=0.3251$  |
| 42                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 2.08                      | 0.46                           | 2.14                        | 0.12                      | 1.98                      | 1.84                      | 2.71                               | 0.79 | 0.61 | 0.62                                | $y_W=0.3598$  |
| 43                                                                                                                                                                                                                                     | RDC                         | 0.01                      | 2.55                      | 0.49                           | 2.6                         | 0.12                      | 2.1                       | 1.95                      | 2.87                               | 0.89 | 0.65 | 0.66                                |               |
| Mittel                                                                                                                                                                                                                                 |                             |                           |                           |                                | 1.43                        |                           |                           |                           | 2.41                               | 0.9  | 0.65 | 0.71                                |               |
| Standardabweichung                                                                                                                                                                                                                     |                             |                           |                           |                                | 0.66                        |                           |                           |                           | 0.36                               | 0.25 | 0.15 | 0.21                                |               |
| Muster: Grün (G, Nr. 00), Violett V (Nr. 10), Rot (R, Nr. 11), Cyan (C, Nr. 21)<br>Türkis (T, Nr. 22), Magenta (M, Nr. 32), Blau (B, Nr. 33), Gelb (Y, no. 43)<br>Quelle: BAM-Forschungsbericht Nr. 115 (1985), Tabellen 5.40;1 bis 11 |                             |                           |                           |                                |                             |                           |                           |                           |                                    |      |      |                                     |               |