

# Farbreize für gerade unterscheidbare Farb-Schwellen (p=50%) in 4 Richtungen

| Nummer Farb-Serie | Farbreize Normfarbwerte | Farbreiz-Differenzen an der Schwelle                            | Bemerkungen Experiment-Serie |
|-------------------|-------------------------|-----------------------------------------------------------------|------------------------------|
|                   | x y                     | $\Delta x_{TM}$ $\Delta y_{TM}$ $\Delta x_{BY}$ $\Delta y_{BY}$ |                              |
| 0 GDV             | 17.42 0.2192 0.6811     | -0.0064 0.0066 -0.0054 0.014                                    | TM, BY                       |
| 1 GDV             | 16.9 0.2577 0.5648      | -0.005 0.0044 -0.0029 0.0076                                    | graus Umfeld                 |
| 2 GDV             | 16.4 0.2875 0.4664      | -0.0025 0.0019 -0.0018 0.0046                                   | CIE-Daten Nr. 05             |
| 3 GDV             | 16.91 0.3051 0.4122     | -0.0023 0.0016 -0.0015 0.0037                                   | mit weissem Rand             |
| 4 GDV             | 16.7 0.3165 0.3791      | -0.002 0.0013 -0.0013 0.0029                                    |                              |
| 5 GDV             | 16.51 0.3234 0.3568     | -0.0017 0.0011 -0.0009 0.002                                    |                              |
| 6 GDV             | 15.06 0.3311 0.3322     | -0.0021 0.0011 -0.001 0.0024                                    |                              |
| 7 GDV             | 14.17 0.3387 0.301      | -0.002 0.001 -0.001 0.0022                                      |                              |
| 8 GDV             | 14.06 0.344 0.2792      | -0.002 0.0009 -0.0011 0.0024                                    |                              |
| 9 GDV             | 13.57 0.3482 0.2641     | -0.002 0.0008 -0.001 0.0023                                     |                              |
| 10 GDV            | 13.26 0.3515 0.2516     | -0.0019 0.0008 -0.001 0.0021                                    |                              |
| 11 RDC            | 16.44 0.6152 0.3414     | -0.0013 0.0017 0.0007 0.0031                                    | TM, BY                       |
| 12 RDC            | 15.81 0.5421 0.3436     | -0.0018 0.0018 0.0001 0.0026                                    | graus Umfeld                 |
| 13 RDC            | 16.2 0.4549 0.3285      | -0.0015 0.0012 -0.0003 0.0025                                   | CIE-Daten Nr. 16             |
| 14 RDC            | 16.72 0.4097 0.3512     | -0.0017 0.0012 -0.0006 0.0027                                   | mit weissem Rand             |
| 15 RDC            | 16.79 0.362 0.3542      | -0.0017 0.0011 -0.0007 0.002                                    |                              |
| 16 RDC            | 16.64 0.3222 0.3567     | -0.0015 0.0009 -0.0008 0.002                                    |                              |
| 17 RDC            | 16.05 0.2876 0.3649     | -0.0021 0.0012 -0.0013 0.0027                                   |                              |
| 18 RDC            | 16.69 0.2386 0.3769     | -0.0025 0.0014 -0.0022 0.0036                                   |                              |
| 19 RDC            | 17.71 0.213 0.3831      | -0.0027 0.0014 -0.0024 0.0036                                   |                              |
| 20 RDC            | 18.02 0.1875 0.3897     | -0.0029 0.0016 -0.0025 0.0037                                   |                              |
| 21 RDC            | 18.33 0.1664 0.3949     | -0.0037 0.0019 -0.003 0.0042                                    |                              |
|                   |                         | <b>GV</b> <b>RV</b> <b>RC</b> <b>RC</b>                         |                              |
| 22 GDV            | 17.42 0.2174 0.6877     | -0.0029 -0.0064 0.0084 0.0                                      | GV, RC                       |
| 23 GDV            | 16.91 0.2564 0.5691     | -0.0025 -0.004 0.0057 -0.0001                                   | graus Umfeld                 |
| 24 GDV            | 16.41 0.2874 0.4688     | -0.0022 -0.0028 0.0049 -0.0001                                  | CIE-Daten Nr. 27             |
| 25 GDV            | 16.92 0.305 0.4141      | -0.002 -0.0022 0.0033 -0.0001                                   | mit weissem Rand             |
| 26 GDV            | 16.71 0.3164 0.3807     | -0.0018 -0.0018 0.0028 -0.0001                                  |                              |
| 27 GDV            | 16.52 0.3234 0.3581     | -0.0017 -0.0015 0.0023 -0.0001                                  |                              |
| 28 GDV            | 15.06 0.3311 0.3336     | -0.0021 -0.0017 0.0029 -0.0001                                  |                              |
| 29 GDV            | 14.18 0.3388 0.3023     | -0.002 -0.0013 0.0032 -0.0001                                   |                              |
| 30 GDV            | 14.06 0.344 0.2804      | -0.0021 -0.0013 0.003 -0.0001                                   |                              |
| 31 GDV            | 13.57 0.3483 0.2652     | -0.0021 -0.0013 0.0031 0.0                                      |                              |
| 32 GDV            | 13.26 0.3515 0.2527     | -0.002 -0.0012 0.003 0.0                                        |                              |
| 33 RDC            | 16.44 0.6162 0.3431     | -0.0035 -0.0017 0.0059 -0.0001                                  | GV, RC                       |
| 34 RDC            | 15.81 0.543 0.3455      | -0.0034 -0.0018 0.0047 0.0                                      | graus Umfeld                 |
| 35 RDC            | 16.2 0.4556 0.3301      | -0.0029 -0.0018 0.0042 -0.0001                                  | CIE-Daten Nr. 38             |
| 36 RDC            | 16.72 0.4012 0.3528     | -0.0025 -0.0018 0.0033 -0.0001                                  | mit weissem Rand             |
| 37 RDC            | 16.8 0.3622 0.3556      | -0.002 -0.0017 0.0027 -0.0001                                   |                              |
| 38 RDC            | 16.65 0.3223 0.3579     | -0.0017 -0.0013 0.002 -0.0001                                   |                              |
| 39 RDC            | 16.05 0.2874 0.3664     | -0.0016 -0.0016 0.0041 -0.0001                                  |                              |
| 40 RDC            | 16.7 0.2382 0.3787      | -0.0017 -0.0019 0.0039 -0.0001                                  |                              |
| 41 RDC            | 17.72 0.2123 0.3848     | -0.0013 -0.0018 0.0045 -0.0001                                  |                              |
| 42 RDC            | 18.03 0.1867 0.3914     | -0.0012 -0.0019 0.005 0.0                                       |                              |
| 43 RDC            | 18.33 0.1652 0.3969     | -0.0012 -0.002 0.0057 -0.0001                                   |                              |

Muster: Grün (G, Nr. 00 oder 202), Violett V (Nr. 10 oder 32), Rot (R, Nr. 11 oder 33)  
Cyan (C, Nr. 21 oder 43), Grau (Nr. 05, 16, 27 oder 38), Weiss (Y=100)  
Quelle: BAM-Forschungsbericht Nr. 115 (1985), Tabellen 5/40; 1 bis 11

# Farbreize für gerade unterscheidbare Farb-Schwellen (p=50%) in 2 Richtungen

| Nummer Farb-Serie | Farbreize Normfarbwerte | Farbreiz-Differenzen an der Schwelle                            | Bemerkungen Experiment-Serie |
|-------------------|-------------------------|-----------------------------------------------------------------|------------------------------|
|                   | x y                     | $\Delta x_{TM}$ $\Delta y_{TM}$ $\Delta x_{BY}$ $\Delta y_{BY}$ |                              |
| 0 GDV             | 17.42 0.2192 0.6811     | -0.0064 0.0066 -0.0029 -0.0064                                  | TM, BY                       |
| 1 GDV             | 16.9 0.2577 0.5648      | -0.005 0.0044 -0.0025 -0.004                                    | graus Umfeld                 |
| 2 GDV             | 16.4 0.2875 0.4664      | -0.0025 0.0019 -0.0022 -0.0028                                  | CIE-Daten Nr. 05             |
| 3 GDV             | 16.91 0.3051 0.4122     | -0.0023 0.0016 -0.002 -0.0022                                   | mit weissem Rand             |
| 4 GDV             | 16.7 0.3165 0.3791      | -0.002 0.0013 -0.0018 -0.0018                                   |                              |
| 5 GDV             | 16.51 0.3234 0.3568     | -0.0017 0.0011 -0.0017 -0.0015                                  |                              |
| 6 GDV             | 15.06 0.3311 0.3322     | -0.0021 0.0011 -0.0021 -0.0017                                  |                              |
| 7 GDV             | 14.17 0.3387 0.301      | -0.002 0.001 -0.002 -0.0013                                     |                              |
| 8 GDV             | 14.06 0.344 0.2792      | -0.002 0.0009 -0.0021 -0.0013                                   |                              |
| 9 GDV             | 13.57 0.3482 0.2641     | -0.002 0.0008 -0.0021 -0.0013                                   |                              |
| 10 GDV            | 13.26 0.3515 0.2516     | -0.0019 0.0008 -0.002 -0.0012                                   |                              |
| 11 RDC            | 16.44 0.6152 0.3414     | -0.0013 0.0017 -0.0035 -0.0017                                  | TM, BY                       |
| 12 RDC            | 15.81 0.5421 0.3436     | -0.0018 0.0018 -0.0034 -0.0018                                  | graus Umfeld                 |
| 13 RDC            | 16.2 0.4549 0.3285      | -0.0015 0.0012 -0.0029 -0.0018                                  | CIE-Daten Nr. 16             |
| 14 RDC            | 16.72 0.4097 0.3512     | -0.0017 0.0012 -0.0025 -0.0018                                  | mit weissem Rand             |
| 15 RDC            | 16.79 0.362 0.3542      | -0.0017 0.0011 -0.002 -0.0017                                   |                              |
| 16 RDC            | 16.64 0.3222 0.3567     | -0.0015 0.0009 -0.0017 -0.0013                                  |                              |
| 17 RDC            | 16.05 0.2876 0.3649     | -0.0021 0.0012 -0.0016 -0.0016                                  |                              |
| 18 RDC            | 16.69 0.2386 0.3769     | -0.0025 0.0014 -0.0017 -0.0019                                  |                              |
| 19 RDC            | 17.71 0.213 0.3831      | -0.0027 0.0014 -0.0013 -0.0018                                  |                              |
| 20 RDC            | 18.02 0.1875 0.3897     | -0.0029 0.0016 -0.0012 -0.0019                                  |                              |
| 21 RDC            | 18.33 0.1664 0.3949     | -0.0037 0.0019 -0.0012 -0.002                                   |                              |
|                   |                         | <b>TM</b> <b>TM</b> <b>BY</b> <b>BY</b>                         |                              |
| 22 TDM            | 14.99 0.1234 0.3945     | -0.0061 0.003 -0.0012 -0.0022                                   | TM, BY                       |
| 23 TDM            | 15.03 0.1843 0.3826     | -0.005 0.0026 -0.0015 -0.0019                                   | graus Umfeld                 |
| 24 TDM            | 15.74 0.2443 0.3717     | -0.0037 0.0021 -0.0013 -0.0016                                  | CIE-Daten Nr. 27             |
| 25 TDM            | 16.79 0.28 0.3647       | -0.0026 0.0014 -0.0014 -0.0015                                  | mit weissem Rand             |
| 26 TDM            | 17.27 0.3052 0.3598     | -0.002 0.0012 -0.0016 -0.0015                                   |                              |
| 27 TDM            | 16.55 0.3219 0.3572     | -0.0017 0.001 -0.0016 -0.0013                                   |                              |
| 28 TDM            | 15.78 0.3818 0.3081     | -0.0021 0.0013 -0.0019 -0.0012                                  |                              |
| 29 TDM            | 15.97 0.4335 0.2633     | -0.002 0.0011 -0.0023 -0.001                                    |                              |
| 30 TDM            | 16.99 0.4606 0.2384     | -0.0022 0.0011 -0.0022 -0.001                                   |                              |
| 31 TDM            | 17.14 0.477 0.2226      | -0.0019 0.0009 -0.0024 -0.001                                   |                              |
| 32 TDM            | 17.21 0.4858 0.2117     | -0.002 0.0009 -0.0026 -0.001                                    |                              |
| 33 BDY            | 17.32 0.2507 0.2911     | -0.0018 0.0008 -0.0011 -0.0009                                  | TM, BY                       |
| 34 BDY            | 16.9 0.2694 0.306       | -0.0016 0.0007 -0.0015 -0.0012                                  | graus Umfeld                 |
| 35 BDY            | 17.28 0.2886 0.3253     | -0.0017 0.0009 -0.0013 -0.0011                                  | CIE-Daten Nr. 38             |
| 36 BDY            | 17.43 0.302 0.3385      | -0.0017 0.0008 -0.0013 -0.0011                                  | mit weissem Rand             |
| 37 BDY            | 17.5 0.315 0.3493       | -0.0017 0.0009 -0.0015 -0.0012                                  |                              |
| 38 BDY            | 16.48 0.3239 0.3589     | -0.0016 0.001 -0.0014 -0.0013                                   |                              |
| 39 BDY            | 16.22 0.362 0.3875      | -0.0018 0.0012 -0.0024 -0.0019                                  |                              |
| 40 BDY            | 19.93 0.4057 0.4273     | -0.002 0.0017 -0.002 -0.0018                                    |                              |
| 41 BDY            | 17.74 0.4346 0.4517     | -0.002 0.0019 -0.0026 -0.0024                                   |                              |
| 42 BDY            | 18.07 0.4634 0.4757     | -0.0021 0.0025 -0.003 -0.0027                                   |                              |
| 43 BDY            | 18.48 0.4848 0.4952     | -0.002 0.0025 -0.0037 -0.0032                                   |                              |

Muster: Grün (G, Nr. 00), Violett V (Nr. 10), Rot (R, Nr. 11), Cyan (C, Nr. 21)  
Türkis (T, Nr. 22), Magenta (M, Nr. 32), Blau (B, Nr. 33), Gelb (Y, Nr. 43)  
Quelle: BAM-Forschungsbericht Nr. 115 (1985), Tabellen 5/40; 1 bis 11