

| Güte (STRESS 5Werte) für kleine (small) Farbdifferenzdaten (SCD)     |                                                             |                                   |      |       |      |                                    |                                 |                            |                                |                             |
|----------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------|------|-------|------|------------------------------------|---------------------------------|----------------------------|--------------------------------|-----------------------------|
| Datensatz                                                            | Berechnungen mit Daten für graues Umfeld (Farbart nahe D65) |                                   |      |       |      |                                    |                                 |                            |                                |                             |
|                                                                      | Farbabstand $\Delta E^*_{\text{CIELAB}}$                    |                                   |      |       |      | Farbabstandsformel und STRESS-Wert |                                 |                            |                                |                             |
| Name                                                                 | Paare                                                       | $\Delta E^*_{\text{ab}}$ -Bereich | min  | max   | mean | CIELAB<br>$\Delta E^*_{\text{ab}}$ | CMC<br>$\Delta E^*_{\text{CM}}$ | CIE94<br>$\Delta E^*_{94}$ | CIEDE2000<br>$\Delta E^*_{00}$ | LABJND<br>$\Delta E^*_{85}$ |
| WI_0418                                                              | 418                                                         | 0.0 bis <99.0                     | 0.11 | 10.62 | 1.86 | 51.7                               | 35.0                            | 31.6                       | 30.1                           | 55.1                        |
| RD_0312                                                              | 312                                                         | 0.0 bis <99.0                     | 0.77 | 4.4   | 1.43 | 33.4                               | 27.3                            | 20.3                       | 19.5                           | 38.3                        |
| LE_0307                                                              | 307                                                         | 0.0 bis <99.0                     | 0.39 | 4.73  | 1.63 | 40.0                               | 24.8                            | 30.4                       | 19.2                           | 45.1                        |
| BF_2776                                                              | 2776                                                        | 0.0 bis <99.0                     | 0.03 | 18.2  | 3.0  | 42.4                               | 30.6                            | 33.7                       | 29.5                           | 52.9                        |
| SS_0446                                                              | 446                                                         | 0.0 bis <99.0                     | 0.17 | 7.97  | 3.03 | 42.1                               | 31.7                            | 28.7                       | 29.3                           | 45.8                        |
| WI_0418                                                              | 126                                                         | 0.0 bis <1.0                      | 0.11 | 0.99  | 0.62 | 44.0                               | 32.3                            | 29.5                       | 28.0                           | 55.8                        |
| RD_0312                                                              | 48                                                          | 0.0 bis <1.0                      | 0.77 | 0.99  | 0.92 | 6.2                                | 21.8                            | 10.8                       | 17.4                           | 32.0                        |
| LE_0307                                                              | 52                                                          | 0.0 bis <1.0                      | 0.39 | 0.99  | 0.79 | 26.4                               | 24.0                            | 26.2                       | 19.5                           | 48.8                        |
| BF_2776                                                              | 546                                                         | 0.0 bis <1.0                      | 0.03 | 0.99  | 0.53 | 49.4                               | 42.3                            | 42.9                       | 41.5                           | 55.8                        |
| SS_0446                                                              | 37                                                          | 0.0 bis <1.0                      | 0.17 | 0.96  | 0.71 | 33.0                               | 43.1                            | 41.6                       | 38.7                           | 55.9                        |
| WI_0418                                                              | 274                                                         | 0.0 bis <2.0                      | 0.11 | 1.99  | 1.07 | 45.3                               | 32.8                            | 30.4                       | 27.9                           | 57.1                        |
| RD_0312                                                              | 280                                                         | 0.0 bis <2.0                      | 0.77 | 1.94  | 1.31 | 21.7                               | 27.8                            | 19.0                       | 18.6                           | 37.0                        |
| LE_0307                                                              | 232                                                         | 0.0 bis <2.0                      | 0.39 | 1.99  | 1.34 | 34.0                               | 24.0                            | 29.8                       | 18.7                           | 46.5                        |
| BF_2776                                                              | 1154                                                        | 0.0 bis <2.0                      | 0.03 | 1.99  | 1.06 | 38.5                               | 33.7                            | 33.8                       | 30.0                           | 56.8                        |
| SS_0446                                                              | 130                                                         | 0.0 bis <2.0                      | 0.17 | 1.99  | 1.3  | 38.7                               | 37.7                            | 39.6                       | 34.8                           | 56.7                        |
| WI_0418                                                              | 38                                                          | 0.0 bis <0.5                      | 0.11 | 0.49  | 0.36 | 41.6                               | 35.9                            | 31.7                       | 29.9                           | 55.9                        |
| RD_0312                                                              | 0                                                           |                                   |      |       |      |                                    |                                 |                            |                                |                             |
| LE_0307                                                              | 3                                                           | 0.0 bis <0.5                      | 0.39 | 0.42  | 0.4  | 25.2                               | 30.2                            | 35.5                       | 28.1                           | 35.6                        |
| BF_2776                                                              | 253                                                         | 0.0 bis <0.5                      | 0.03 | 0.49  | 0.32 | 59.7                               | 56.9                            | 56.7                       | 54.6                           | 63.0                        |
| SS_0446                                                              | 7                                                           | 0.0 bis <0.5                      | 0.17 | 0.48  | 0.38 | 23.2                               | 41.3                            | 38.1                       | 44.5                           | 42.9                        |
| WI_0418                                                              | 88                                                          | 0.5 bis <1.0                      | 0.51 | 0.99  | 0.74 | 43.3                               | 30.2                            | 27.6                       | 25.5                           | 55.4                        |
| RD_0312                                                              | 48                                                          | 0.5 bis <1.0                      | 0.77 | 0.99  | 0.92 | 6.2                                | 21.8                            | 10.8                       | 17.4                           | 32.0                        |
| LE_0307                                                              | 49                                                          | 0.5 bis <1.0                      | 0.52 | 0.99  | 0.81 | 26.3                               | 23.6                            | 26.0                       | 19.0                           | 48.9                        |
| BF_2776                                                              | 293                                                         | 0.5 bis <1.0                      | 0.5  | 0.99  | 0.72 | 46.4                               | 37.6                            | 38.5                       | 37.3                           | 53.9                        |
| SS_0446                                                              | 30                                                          | 0.5 bis <1.0                      | 0.57 | 0.96  | 0.79 | 27.7                               | 39.5                            | 37.8                       | 33.8                           | 54.5                        |
| WI_0418                                                              | 91                                                          | 1.0 bis <1.5                      | 1.01 | 1.49  | 1.26 | 43.7                               | 31.8                            | 28.8                       | 26.9                           | 56.9                        |
| RD_0312                                                              | 148                                                         | 1.0 bis <1.5                      | 1.0  | 1.49  | 1.23 | 11.8                               | 28.8                            | 16.5                       | 18.2                           | 37.0                        |
| LE_0307                                                              | 89                                                          | 1.0 bis <1.5                      | 1.0  | 1.49  | 1.25 | 28.2                               | 23.6                            | 23.7                       | 15.8                           | 47.7                        |
| BF_2776                                                              | 266                                                         | 1.0 bis <1.5                      | 1.0  | 1.49  | 1.26 | 38.0                               | 30.2                            | 31.2                       | 27.8                           | 58.3                        |
| SS_0446                                                              | 41                                                          | 1.0 bis <1.5                      | 1.0  | 1.49  | 1.26 | 34.6                               | 30.4                            | 31.2                       | 29.4                           | 49.1                        |
| WI_0418                                                              | 57                                                          | 1.5 bis <2.0                      | 1.51 | 1.99  | 1.74 | 43.2                               | 29.1                            | 26.4                       | 23.3                           | 55.3                        |
| RD_0312                                                              | 84                                                          | 1.5 bis <2.0                      | 1.5  | 1.94  | 1.67 | 6.5                                | 24.1                            | 19.2                       | 17.0                           | 38.3                        |
| LE_0307                                                              | 91                                                          | 1.5 bis <2.0                      | 1.5  | 1.99  | 1.75 | 25.6                               | 20.1                            | 26.7                       | 14.7                           | 38.9                        |
| BF_2776                                                              | 342                                                         | 1.5 bis <2.0                      | 1.5  | 1.99  | 1.75 | 33.4                               | 32.0                            | 31.2                       | 26.5                           | 55.7                        |
| SS_0446                                                              | 52                                                          | 1.5 bis <2.0                      | 1.5  | 1.99  | 1.74 | 24.8                               | 29.8                            | 30.7                       | 26.0                           | 49.5                        |
| Datensätze: WI=WITT, RD=RIT-DUPONT, LE=LEEDS, BF=BFD-P, SS=BIGC-S-SG |                                                             |                                   |      |       |      |                                    |                                 |                            |                                |                             |

| Güte (STRESS 5Werte) für kleine (small) Farbdifferenzdaten (SCD) |                                                             |                             |      |       |      |                                    |                  |                    |                        |                     |
|------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|------|-------|------|------------------------------------|------------------|--------------------|------------------------|---------------------|
| Datensatz                                                        | Berechnungen mit Daten für graues Umfeld (Farbart nahe D65) |                             |      |       |      |                                    |                  |                    |                        |                     |
|                                                                  | Farbabstand $\Delta E^*_{CIEDE2000}$                        |                             |      |       |      | Farbabstandsformel und STRESS-Wert |                  |                    |                        |                     |
| Name                                                             | Paare                                                       | $\Delta E^*_{C00}$ -Bereich | min  | max   | mean | CIELAB $\Delta E^*$                | CMC $\Delta E^*$ | CIE94 $\Delta E^*$ | CIEDE2000 $\Delta E^*$ | LABJND $\Delta E^*$ |
| WI_0418                                                          | 418                                                         | 0.0 bis <99.0               | 0.11 | 10.62 | 1.86 | 51.7                               | 35.0             | 31.6               | 30.1                   | 55.1                |
| RD_0312                                                          | 312                                                         | 0.0 bis <99.0               | 0.77 | 4.4   | 1.43 | 33.4                               | 27.3             | 20.3               | 19.5                   | 38.3                |
| LE_0307                                                          | 307                                                         | 0.0 bis <99.0               | 0.39 | 4.73  | 1.63 | 40.0                               | 24.8             | 30.4               | 19.2                   | 45.1                |
| BF_2776                                                          | 2776                                                        | 0.0 bis <99.0               | 0.03 | 18.2  | 3.0  | 42.4                               | 30.6             | 33.7               | 29.5                   | 52.9                |
| SS_0446                                                          | 446                                                         | 0.0 bis <99.0               | 0.17 | 7.97  | 3.03 | 42.1                               | 31.7             | 28.7               | 29.3                   | 45.8                |
| WI_0418                                                          | 221                                                         | 0.0 bis <1.0                | 0.11 | 3.69  | 1.08 | 57.1                               | 46.0             | 41.7               | 34.5                   | 61.6                |
| RD_0312                                                          | 184                                                         | 0.0 bis <1.0                | 0.77 | 3.21  | 1.29 | 26.0                               | 26.9             | 16.1               | 9.3                    | 33.2                |
| LE_0307                                                          | 128                                                         | 0.0 bis <1.0                | 0.39 | 2.94  | 1.37 | 43.0                               | 25.3             | 26.8               | 22.1                   | 42.9                |
| BF_2776                                                          | 815                                                         | 0.0 bis <1.0                | 0.03 | 4.13  | 0.92 | 51.0                               | 40.9             | 39.7               | 38.4                   | 51.2                |
| SS_0446                                                          | 110                                                         | 0.0 bis <1.0                | 0.17 | 3.9   | 1.46 | 49.6                               | 38.5             | 38.2               | 35.0                   | 51.7                |
| WI_0418                                                          | 386                                                         | 0.0 bis <2.0                | 0.11 | 5.72  | 1.68 | 51.8                               | 37.0             | 33.5               | 30.6                   | 55.7                |
| RD_0312                                                          | 312                                                         | 0.0 bis <2.0                | 0.77 | 4.4   | 1.43 | 33.4                               | 27.3             | 20.3               | 19.5                   | 38.3                |
| LE_0307                                                          | 305                                                         | 0.0 bis <2.0                | 0.39 | 4.73  | 1.62 | 40.3                               | 25.0             | 30.6               | 19.1                   | 45.4                |
| BF_2776                                                          | 1851                                                        | 0.0 bis <2.0                | 0.03 | 7.84  | 1.84 | 43.8                               | 31.2             | 32.2               | 27.5                   | 53.2                |
| SS_0446                                                          | 313                                                         | 0.0 bis <2.0                | 0.17 | 6.65  | 2.39 | 46.7                               | 35.3             | 34.0               | 31.9                   | 51.2                |
| WI_0418                                                          | 94                                                          | 0.0 bis <0.5                | 0.11 | 1.67  | 0.65 | 55.8                               | 47.9             | 43.8               | 35.5                   | 61.5                |
| RD_0312                                                          | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| LE_0307                                                          | 10                                                          | 0.0 bis <0.5                | 0.39 | 0.67  | 0.53 | 32.6                               | 29.3             | 36.5               | 27.0                   | 32.2                |
| BF_2776                                                          | 417                                                         | 0.0 bis <0.5                | 0.03 | 2.09  | 0.48 | 58.4                               | 52.6             | 52.3               | 50.9                   | 58.0                |
| SS_0446                                                          | 23                                                          | 0.0 bis <0.5                | 0.17 | 1.79  | 0.76 | 50.4                               | 44.3             | 43.0               | 35.9                   | 50.8                |
| WI_0418                                                          | 127                                                         | 0.5 bis <1.0                | 0.44 | 3.69  | 1.4  | 57.1                               | 45.4             | 40.9               | 33.5                   | 61.6                |
| RD_0312                                                          | 184                                                         | 0.5 bis <1.0                | 0.77 | 3.21  | 1.29 | 26.0                               | 26.9             | 16.1               | 9.3                    | 33.2                |
| LE_0307                                                          | 118                                                         | 0.5 bis <1.0                | 0.52 | 2.94  | 1.44 | 41.9                               | 23.6             | 25.7               | 20.8                   | 42.8                |
| BF_2776                                                          | 398                                                         | 0.5 bis <1.0                | 0.35 | 4.13  | 1.38 | 49.3                               | 38.3             | 36.8               | 35.5                   | 49.7                |
| SS_0446                                                          | 87                                                          | 0.5 bis <1.0                | 0.48 | 3.9   | 1.64 | 46.4                               | 33.0             | 33.6               | 30.0                   | 49.7                |
| WI_0418                                                          | 102                                                         | 1.0 bis <1.5                | 0.76 | 5.67  | 2.18 | 52.3                               | 37.0             | 34.1               | 29.5                   | 57.0                |
| RD_0312                                                          | 122                                                         | 1.0 bis <1.5                | 0.79 | 4.4   | 1.61 | 34.2                               | 19.7             | 16.9               | 10.1                   | 45.0                |
| LE_0307                                                          | 147                                                         | 1.0 bis <1.5                | 0.85 | 3.67  | 1.7  | 39.4                               | 23.7             | 30.1               | 17.1                   | 48.0                |
| BF_2776                                                          | 606                                                         | 1.0 bis <1.5                | 0.81 | 6.06  | 2.31 | 45.5                               | 31.4             | 31.0               | 25.9                   | 53.6                |
| SS_0446                                                          | 124                                                         | 1.0 bis <1.5                | 0.83 | 5.15  | 2.58 | 42.3                               | 30.1             | 31.1               | 24.5                   | 53.0                |
| WI_0418                                                          | 63                                                          | 1.5 bis <2.0                | 1.17 | 5.72  | 3.0  | 47.5                               | 29.4             | 25.9               | 27.1                   | 48.1                |
| RD_0312                                                          | 6                                                           | 1.5 bis <2.0                | 1.35 | 3.64  | 2.39 | 31.4                               | 15.3             | 8.8                | 8.9                    | 31.9                |
| LE_0307                                                          | 30                                                          | 1.5 bis <2.0                | 1.25 | 4.73  | 2.3  | 37.1                               | 24.8             | 27.9               | 14.1                   | 28.9                |
| BF_2776                                                          | 430                                                         | 1.5 bis <2.0                | 1.1  | 7.84  | 2.93 | 39.2                               | 26.4             | 29.5               | 22.7                   | 53.0                |
| SS_0446                                                          | 79                                                          | 1.5 bis <2.0                | 1.67 | 6.65  | 3.4  | 44.6                               | 30.2             | 25.6               | 25.1                   | 43.6                |

Datensätze: WI=WITT, RD=RIT-DUPONT, LE=LEEDS, BF=BFD-P, SS=BIGC-S-SG

| Güte (STRESS 5Werte) für kleine (small) Farbdifferenzdaten (SCD)     |                                                             |                             |      |       |      |                                    |                  |                    |                        |                     |
|----------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|------|-------|------|------------------------------------|------------------|--------------------|------------------------|---------------------|
| Datensatz                                                            | Berechnungen mit Daten für graues Umfeld (Farbart nahe D65) |                             |      |       |      |                                    |                  |                    |                        |                     |
|                                                                      | Farbabstand $\Delta E^*_{LABJND}$                           |                             |      |       |      | Farbabstandsformel und STRESS-Wert |                  |                    |                        |                     |
| Name                                                                 | Paare                                                       | $\Delta E^*_{C85}$ -Bereich | min  | max   | mean | CIELAB $\Delta E^*$                | CMC $\Delta E^*$ | CIE94 $\Delta E^*$ | CIEDE2000 $\Delta E^*$ | LABJND $\Delta E^*$ |
| WI_0418                                                              | 418                                                         | 0.0 bis <99.0               | 0.11 | 10.62 | 1.86 | 51.7                               | 35.0             | 31.6               | 30.1                   | 55.1                |
| RD_0312                                                              | 312                                                         | 0.0 bis <99.0               | 0.77 | 4.4   | 1.43 | 33.4                               | 27.3             | 20.3               | 19.5                   | 38.3                |
| LE_0307                                                              | 307                                                         | 0.0 bis <99.0               | 0.39 | 4.73  | 1.63 | 40.0                               | 24.8             | 30.4               | 19.2                   | 45.1                |
| BF_2776                                                              | 2776                                                        | 0.0 bis <99.0               | 0.03 | 18.2  | 3.0  | 42.4                               | 30.6             | 33.7               | 29.5                   | 52.9                |
| SS_0446                                                              | 446                                                         | 0.0 bis <99.0               | 0.17 | 7.97  | 3.03 | 42.1                               | 31.7             | 28.7               | 29.3                   | 45.8                |
| WI_0418                                                              | 8                                                           | 0.0 bis <1.0                | 0.11 | 0.56  | 0.31 | 50.2                               | 36.7             | 31.3               | 32.5                   | 34.7                |
| RD_0312                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 65                                                          | 0.0 bis <1.0                | 0.03 | 1.5   | 0.27 | 71.0                               | 63.2             | 64.7               | 64.7                   | 68.8                |
| SS_0446                                                              | 1                                                           | 0.0 bis <1.0                | 0.41 | 0.41  | 0.41 | 0.1                                | 0.1              | 0.1                | 0.1                    | 0.1                 |
| WI_0418                                                              | 46                                                          | 0.0 bis <2.0                | 0.11 | 1.12  | 0.6  | 45.8                               | 30.6             | 23.7               | 27.6                   | 47.7                |
| RD_0312                                                              | 4                                                           | 0.0 bis <2.0                | 0.86 | 1.02  | 0.94 | 7.9                                | 11.4             | 9.0                | 9.7                    | 5.9                 |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 239                                                         | 0.0 bis <2.0                | 0.03 | 2.57  | 0.43 | 61.6                               | 45.5             | 46.9               | 45.0                   | 60.4                |
| SS_0446                                                              | 7                                                           | 0.0 bis <2.0                | 0.17 | 0.84  | 0.61 | 45.9                               | 50.7             | 40.3               | 46.7                   | 34.1                |
| WI_0418                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| RD_0312                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 12                                                          | 0.0 bis <0.5                | 0.03 | 0.33  | 0.14 | 73.3                               | 72.5             | 71.1               | 74.4                   | 62.0                |
| SS_0446                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| WI_0418                                                              | 8                                                           | 0.5 bis <1.0                | 0.11 | 0.56  | 0.31 | 50.2                               | 36.7             | 31.3               | 32.5                   | 34.7                |
| RD_0312                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 53                                                          | 0.5 bis <1.0                | 0.05 | 1.5   | 0.3  | 70.3                               | 61.9             | 63.7               | 63.4                   | 68.6                |
| SS_0446                                                              | 1                                                           | 0.5 bis <1.0                | 0.41 | 0.41  | 0.41 | 0.1                                | 0.1              | 0.1                | 0.1                    | 0.1                 |
| WI_0418                                                              | 18                                                          | 1.0 bis <1.5                | 0.23 | 1.03  | 0.61 | 45.2                               | 30.5             | 22.3               | 25.8                   | 45.3                |
| RD_0312                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 92                                                          | 1.0 bis <1.5                | 0.11 | 1.72  | 0.41 | 60.7                               | 45.7             | 47.6               | 45.0                   | 60.9                |
| SS_0446                                                              | 3                                                           | 1.0 bis <1.5                | 0.17 | 0.84  | 0.6  | 41.4                               | 35.1             | 36.3               | 41.7                   | 14.2                |
| WI_0418                                                              | 20                                                          | 1.5 bis <2.0                | 0.24 | 1.12  | 0.72 | 45.3                               | 23.3             | 19.3               | 20.9                   | 49.6                |
| RD_0312                                                              | 4                                                           | 1.5 bis <2.0                | 0.86 | 1.02  | 0.94 | 7.9                                | 11.4             | 9.0                | 9.7                    | 5.9                 |
| LE_0307                                                              | 0                                                           |                             |      |       |      |                                    |                  |                    |                        |                     |
| BF_2776                                                              | 82                                                          | 1.5 bis <2.0                | 0.17 | 2.57  | 0.57 | 56.3                               | 32.7             | 34.0               | 31.3                   | 53.3                |
| SS_0446                                                              | 3                                                           | 1.5 bis <2.0                | 0.43 | 0.81  | 0.68 | 48.0                               | 54.0             | 38.5               | 46.8                   | 24.3                |
| Datensätze: WI=WITT, RD=RIT-DUPONT, LE=LEEDS, BF=BFD-P, SS=BIGC-S-SG |                                                             |                             |      |       |      |                                    |                  |                    |                        |                     |