

# Farbabstands-Datensätze und Güte (STRESS-Daten)

| Daten-satz                | Berechnungen mit Daten für graues Umfeld nahe D65 und $1,2 < Y < 90$ |                    |        |      |        |            |       |      |        |
|---------------------------|----------------------------------------------------------------------|--------------------|--------|------|--------|------------|-------|------|--------|
|                           | Farbabstand $\Delta E^*_{DE2000}$                                    | Farbabstandsformel |        |      |        |            |       |      |        |
| alle $\Delta E^*$         | Paare                                                                | Min                | Mittel | Max  | CIELAB | CIE DE2000 | CIE94 | CMC  | LABJND |
| Witt                      | 418                                                                  | 0.08               | 1.09   | 3.75 | 51.7   | 33.7       | 31.7  | 39.6 | 55.2   |
| RIT-DuPont                | 312                                                                  | 0.61               | 0.99   | 1.96 | 33.4   | 20.5       | 20.3  | 31.8 | 38.3   |
| Leeds                     | 307                                                                  | 0.3                | 1.12   | 2.73 | 40.1   | 21.5       | 30.5  | 28.4 | 45.1   |
| BFD.01                    | 2776                                                                 | 0.02               | 11.56  | 1.79 | 42.4   | 31.1       | 33.8  | 32.8 | 53.0   |
| Richter                   | 258                                                                  | 0.05               | 0.56   | 1.6  | 60.9   | 51.0       | 45.4  | 47.9 | 30.9   |
| Kittelmann                | 392                                                                  | 0.1                | 0.31   | 1.55 | 57.2   | 50.4       | 49.9  | 57.5 | 48.7   |
| $\Delta E^*_{CIELAB} < 2$ | Paare                                                                | Min                | Mittel | Max  | CIELAB | CIE DE2000 | CIE94 | CMC  | LABJND |
| Witt                      | 274                                                                  | 0.08               | 0.8    | 2.82 | 45.4   | 30.0       | 30.5  | 36.2 | 57.2   |
| RIT-DuPont                | 280                                                                  | 0.61               | 0.97   | 1.96 | 21.7   | 19.1       | 19.1  | 32.8 | 37.0   |
| Leeds                     | 232                                                                  | 0.3                | 1.04   | 1.8  | 34.0   | 18.7       | 29.8  | 28.8 | 46.5   |
| BFD.01                    | 1152                                                                 | 0.02               | 0.79   | 2.58 | 38.0   | 30.2       | 33.9  | 35.9 | 56.8   |
| Richter                   | 233                                                                  | 0.05               | 0.53   | 1.6  | 48.3   | 53.1       | 45.8  | 48.7 | 31.3   |
| Kittelmann                | 391                                                                  | 0.1                | 0.31   | 1.55 | 55.9   | 50.5       | 50.0  | 57.6 | 48.7   |
| $\Delta E^*_{DE2000} < 2$ | Paare                                                                | Min                | Mittel | Max  | CIELAB | CIE DE2000 | CIE94 | CMC  | LABJND |
| Witt                      | 382                                                                  | 0.08               | 0.96   | 1.99 | 50.8   | 33.8       | 32.2  | 40.0 | 54.1   |
| RIT-DuPont                | 312                                                                  | 0.61               | 0.99   | 1.96 | 33.4   | 20.5       | 20.3  | 31.8 | 38.3   |
| Leeds                     | 300                                                                  | 0.3                | 1.09   | 1.99 | 39.3   | 19.6       | 30.7  | 27.9 | 45.7   |
| BFD.01                    | 1823                                                                 | 0.02               | 1.04   | 1.99 | 43.1   | 28.1       | 31.5  | 32.3 | 52.1   |
| Richter                   | 258                                                                  | 0.05               | 0.56   | 1.6  | 60.9   | 51.0       | 45.4  | 47.9 | 30.9   |
| Kittelmann                | 392                                                                  | 0.1                | 0.31   | 1.55 | 57.2   | 50.4       | 49.9  | 57.5 | 48.7   |