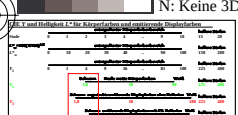
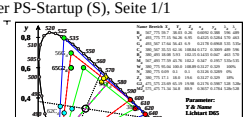
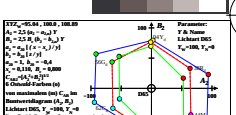
Siehe ähnliche Dateien: http://farbe.li.tu-berlin.de/DGQ3/DGQ3.HTM
Technische Information: http://farbe.li.tu-berlin.de oder http://color.li.tu-berlin.de

TUB-Registrierung: 20220301-DGQ3/DGQ3L0N1.TXT /.PS
Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe
TUB-Material: Code=rha4ta







LABJND−Farbdifferenzformel von CIE 230:2019
Modifikationen mit Normierung zu Y_n vom Umfeld

$$dY = A_1 + A_2 \cdot (Y/Y_n) \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}0058 \\ A_1 = 0{,}0170,\ A_2 = 0{,}1004 = A_2 Y_n \end{array} \quad [1]$$

$$dY = A_1 + A_2 \cdot Y^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0019 \end{array} \quad \begin{array}{l} A_1 = 0{,}0258,\ A_2 = 0{,}0036,\ A_3 = 1{,}087 \\ A_1 = 0{,}0258,\ A_2 = 0{,}0823,\ A_3 = 1{,}087 \end{array} \quad [4]$$

$$dY = A_1 + A_2 \cdot (Y/Y_n)^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}3343 \\ A_1 = 0{,}0170,\ A_2 = 5{,}931 = A_2 Y_n \end{array} \quad [6]$$

$$dY = A_1[1 + A_2 Y] \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0018 \end{array} \quad \begin{array}{l} A_1 = 0{,}0251,\ A_2 = 0{,}1566,\ A_2 = 1{,}107 \\ A_1 = 0{,}0251,\ A_2 = 2{,}778,\ A_2 = 1{,}107 \end{array} \quad [8]$$

$$A_1 [1 + A_{2n}(Y/Y_n)] \qquad \text{DGQ30-2N}$$

LABJND−Farbdifferenzformel von CIE 230:2019
Modifikationen mit Normierung zu Y_n vom Umfeld

$$dY = A_1 + A_2 \cdot Y \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}0058 \\ A_1 = 0{,}0170,\ A_{2n} = 0{,}1004 = A_2 Y_n \end{array} \quad [2d]$$

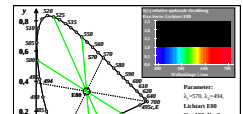
$$\frac{dY}{A_1 + A_2 Y} = \frac{1}{A_2} \ln |A_1 + A_2 Y| = F^*(Y) \qquad (A_2 = 1) \quad [4]$$

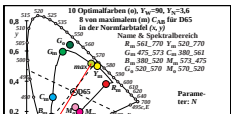
$$dY = A_1 + A_2 \cdot Y^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0019 \end{array} \quad \begin{array}{l} A_1 = 0{,}0258,\ A_2 = 0{,}0036,\ A_3 = 1{,}087 \\ A_1 = 0{,}0258,\ A_{2n} = 0{,}0826,\ A_3 = 1{,}087 \end{array} \quad [4d]$$

$$\frac{1}{A_1} \left[\frac{dY}{A_1 + A_{2n} Y} \right] = \frac{1}{A_1^2} \ln |1 + A_2 Y| = F^*(Y) \qquad (A_2 = 1) \quad [5]$$

$$dY = A_1 + A_2 \cdot (Y/Y_n)^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}3343 \\ A_1 = 0{,}0170,\ A_{2n} = 5{,}931 = A_2 Y_n \end{array} \quad [6d]$$

$$\frac{1}{A_1} \left[\frac{dY}{1 + A_2 Y} \right] = \frac{1}{A_1 A_2} \ln |1 + A_2 Y| = F^*(Y) \qquad (A_2 = 1) \quad [5i]$$





LABJND−Farbdifferenzformel von CIE 230:2019
Modifikationen mit Normierung zu Y_n vom Umfeld

$$dY = A_1 + A_2 \cdot Y_n \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}0058 \\ A_1 = 0{,}0170,\ A_{2n} = 0{,}1004,\ Y_n = (Y/Y_n) \end{array} \quad [2d]$$

$$\frac{dY_n}{A_1 + A_2 Y_n} = \frac{1}{A_2} \left| A_1 + A_2 Y_n \right| = F^*(Y_n) \qquad (A_2 = 1) \quad [2i]$$

$$dY = A_1 + A_2 \cdot Y^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0044 \end{array} \quad \begin{array}{l} A_1 = 0{,}0170,\ A_2 = 0{,}3343 \\ A_1 = 0{,}0170,\ A_{2n} = 5{,}931,\ Y_n = (Y/Y_n) \end{array} \quad [6d]$$

$$\frac{1}{A_1} \left[\frac{dY}{1 + A_2 Y_n} \right] = \frac{1}{A_1 A_2} \ln |1 + A_2 Y_n| = F^*(Y_n) \qquad (A_2 = 1) \quad [6i]$$

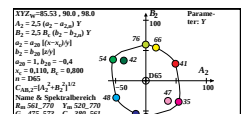
LABJND−Farbdifferenzformel von CIE 230:2019
Modifikationen mit Normierung zu Y_n vom Umfeld

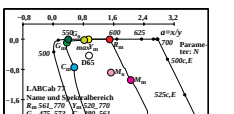
$$dY = A_1 + A_2 \cdot Y_n^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0019 \end{array} \quad \begin{array}{l} A_1 = 0{,}0258,\ A_2 = 0{,}0036,\ A_3 = 1{,}087 \\ A_1 = 0{,}0258,\ A_{2n} = 0{,}0826,\ A_3 = 1{,}087 \end{array} \quad [4d]$$

$$\frac{dY}{A_1 + A_2 [Y_n]^{A_3}} = A_1 Y + \frac{A_2 [Y]^{(A_3+1)}}{A_3 + 1} = F^*(Y) \qquad (A_3 \neq 1) \quad [3i]$$

$$dY = A_1 [1 + A_2 Y]^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0018 \end{array} \quad \begin{array}{l} A_1 = 0{,}0251,\ A_2 = 0{,}1566,\ A_3 = 1{,}107 \\ A_1 = 0{,}0251,\ A_{2n} = 2{,}778,\ A_3 = 1{,}107 \end{array} \quad [8d]$$

$$\frac{1}{A_1} \left[\frac{dY}{(1 + A_2 Y)^{A_3}} \right] = \frac{1}{A_1} \frac{[1 + A_2 Y]^{(A_3+1)}}{A_2 (A_3 + 1)} = F^*(Y) \qquad (A_3 \neq 1) \quad [7i]$$

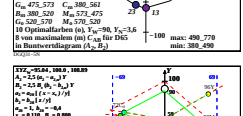
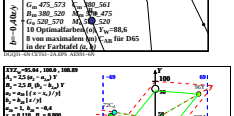




LABJND−Farbdifferenzformel von CIE 230:2019
Modifikationen mit Normierung zu Y_n vom Umfeld

$$dY = [A_1 + A_2 Y]^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0018 \end{array} \quad \begin{array}{l} A_1 = 0{,}0358,\ A_2 = 0{,}0056,\ A_3 = 1{,}107 \\ A_1 = 0{,}0358,\ A_{2n} = 0{,}0995,\ A_3 = 1{,}107 \end{array} \quad [9d]$$

$$\frac{dY}{(A_1 + A_2 Y)^{A_3}} = \frac{[A_1 + A_2 Y]^{(A_3+1)}}{A_2 (A_3 + 1)} = F^*(Y) \qquad A_3 \neq 1 \quad [9i]$$

$$dY = [A_1 + A_2 Y]^{A_3} \qquad \begin{array}{l} \text{Fehler} \\ 0{,}0018 \end{array} \quad \begin{array}{l} A_1 = 0{,}0251,\ A_2 = 0{,}1566,\ A_3 = 1{,}107 \\ A_1 = 0{,}0251,\ A_{2n} = 2{,}778,\ A_3 = 1{,}107 \end{array} \quad [8d]$$

$$\frac{1}{A_1} \left[\frac{dY}{[1 + A_{2n} Y]^{A_3}} \right] = \frac{1}{A_1} \frac{[1 + A_{2n} Y]^{(A_3+1)}}{A_{2n} (A_3 + 1)} = F^*(Y) \qquad (A_3 \neq 1) \quad [8i]$$