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| Basic offset colour or<br>mixture colour for D65<br>ORS18 with $Y_W=88,6$                  | chromaticity |       | tristimulus values<br>( $Y=88,6$ for white D65) |        |        | Standard CIELAB data $LAB^*$<br>( $L^*=95,4$ for white; $L^*=18,01$ for black) |         |         |              |            |
|--------------------------------------------------------------------------------------------|--------------|-------|-------------------------------------------------|--------|--------|--------------------------------------------------------------------------------|---------|---------|--------------|------------|
|                                                                                            | $x_d$        | $y_d$ | $X_d$                                           | $Y_d$  | $Z_d$  | $L^*_d$                                                                        | $a^*_d$ | $b^*_d$ | $C^*_{ab,d}$ | $h_{ab,d}$ |
| three subtractive basic colours: printing colours acc. to ISO 2846-1                       |              |       |                                                 |        |        |                                                                                |         |         |              |            |
| $C_d$ cyan (cyan blue)                                                                     | 0,165        | 0,234 | 18,74                                           | 26,62  | 68,54  | 58,62                                                                          | -30,62  | -42,74  | 55,59        | 234        |
| $M_d$ magenta (magenta red)                                                                | 0,459        | 0,235 | 33,06                                           | 16,90  | 22,01  | 48,13                                                                          | 75,20   | -6,79   | 75,51        | 355        |
| $Y_d$ yellow                                                                               | 0,441        | 0,500 | 68,06                                           | 77,10  | 9,03   | 90,37                                                                          | -11,15  | 96,17   | 96,82        | 97         |
| three subtractive mixture colours: # DIN 33866-colours; ISO reference paper                |              |       |                                                 |        |        |                                                                                |         |         |              |            |
| $R_d$ red (orange red)                                                                     | 0,608        | 0,338 | 30,13                                           | 16,75  | 2,28   | 47,94                                                                          | 65,31   | 52,07   | 83,53        | 39         |
| $G_d$ green (leaf green)                                                                   | 0,253        | 0,556 | 8,71                                            | 19,18  | 6,62   | 50,90                                                                          | -62,96  | 36,71   | 72,89        | 150        |
| $B_d$ blue (violet blue)                                                                   | 0,216        | 0,140 | 7,17                                            | 4,65   | 21,41  | 25,72                                                                          | 31,45   | -44,35  | 54,38        | 305        |
| achromatic colours: # calculated by linear chroma extrapolation in the CIELAB colour space |              |       |                                                 |        |        |                                                                                |         |         |              |            |
| $W1$ (ideal white#, D65)                                                                   | 0,320        | 0,339 | 94,41                                           | 100,00 | 100,83 | 100,00                                                                         | -1,07   | 5,06    | 5,17         | 0          |
| $W$ (ISO paper, D65)                                                                       | 0,320        | 0,339 | 83,68                                           | 88,60  | 89,47  | 95,41                                                                          | -0,98   | 4,76    | 4,86         | 0          |
| $N$ (black printing colour)                                                                | 0,312        | 0,325 | 2,42                                            | 2,52   | 2,81   | 18,01                                                                          | 0,50    | -0,46   | 0,69         | 0          |
| $N0$ (ideal black#, D65)                                                                   | -            | -     | 0,02                                            | 0,00   | 0,12   | 0,00                                                                           | 0,84    | -1,68   | 1,89         | 0          |

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| Basic offset colour or<br>mixture colour for D65<br>ORS18a with $Y_W=88,6$                 | chromaticity |           | tristimulus values<br>( $Y=88,6$ for white D65) |           |           | adapted CIELAB data $LAB^*_{a,d}$<br>( $L^*=95,4$ for white; $L^*=18,01$ for black) |             |             |                |              | relative CIELAB data $lab^*_d$<br>( $L^*=95,4$ for white; $L^*=18,01$ for black) |         |         |       |       |       |         |         |       |
|--------------------------------------------------------------------------------------------|--------------|-----------|-------------------------------------------------|-----------|-----------|-------------------------------------------------------------------------------------|-------------|-------------|----------------|--------------|----------------------------------------------------------------------------------|---------|---------|-------|-------|-------|---------|---------|-------|
|                                                                                            | $x_{a,d}$    | $y_{a,d}$ | $X_{a,d}$                                       | $Y_{a,d}$ | $Z_{a,d}$ | $L^*_{a,d}$                                                                         | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,a,d}$ | $h_{ab,a,d}$ | $r^*_d$                                                                          | $g^*_d$ | $b^*_d$ | $n^*$ | $c^*$ | $h^*$ | $e^*_e$ | $u^*_e$ | $t^*$ |
| three subtractive basic colours: printing colours acc. to ISO 2846-1                       |              |           |                                                 |           |           |                                                                                     |             |             |                |              |                                                                                  |         |         |       |       |       |         |         |       |
| $C_d$ cyan (cyan blue)                                                                     | 0,161        | 0,228     | 18,79                                           | 26,62     | 71,32     | 58,62                                                                               | -30,34      | -45,01      | 54,30          | 236          | 0,00                                                                             | 1,00    | 1,00    | 0,00  | 1,00  | 0,656 | 0,669   | G67B    | 0,50  |
| $M_d$ magenta (magenta red)                                                                | 0,454        | 0,232     | 33,08                                           | 16,90     | 22,90     | 48,13                                                                               | 75,28       | -8,36       | 75,74          | 354          | 1,00                                                                             | 0,00    | 1,00    | 0,00  | 1,00  | 0,982 | 0,931   | B72R    | 0,50  |
| $Y_d$ yellow                                                                               | 0,439        | 0,494     | 68,47                                           | 77,10     | 10,48     | 90,37                                                                               | -10,26      | 91,75       | 92,32          | 96           | 1,00                                                                             | 1,00    | 0,00    | 0,00  | 1,00  | 0,268 | 0,264   | Y05G    | 0,50  |
| three subtractive mixture colours: # DIN 33866-colours; ISO reference paper                |              |           |                                                 |           |           |                                                                                     |             |             |                |              |                                                                                  |         |         |       |       |       |         |         |       |
| $R_d$ red (orange red)                                                                     | 0,605        | 0,336     | 30,15                                           | 16,75     | 2,90      | 47,94                                                                               | 65,39       | 50,52       | 82,63          | 38           | 1,00                                                                             | 0,00    | 0,00    | 0,00  | 1,00  | 0,105 | 0,047   | R18Y    | 0,50  |
| $G_d$ green (leaf green)                                                                   | 0,249        | 0,548     | 8,72                                            | 19,18     | 7,07      | 50,90                                                                               | -62,83      | 34,96       | 71,91          | 151          | 0,00                                                                             | 1,00    | 0,00    | 0,00  | 1,00  | 0,419 | 0,461   | Y84G    | 0,50  |
| $B_d$ blue (violet blue)                                                                   | 0,215        | 0,140     | 7,14                                            | 4,65      | 21,44     | 25,72                                                                               | 31,10       | -44,40      | 54,22          | 305          | 0,00                                                                             | 0,00    | 1,00    | 0,00  | 1,00  | 0,847 | 0,822   | B28R    | 0,50  |
| achromatic colours: # calculated by linear chroma extrapolation in the CIELAB colour space |              |           |                                                 |           |           |                                                                                     |             |             |                |              |                                                                                  |         |         |       |       |       |         |         |       |
| $W1$ (ideal white#, D65)                                                                   | 0,313        | 0,329     | 95,05                                           | 100,00    | 108,92    | 100,00                                                                              | 0,00        | 0,00        | 0,00           | 0            | 1,05                                                                             | 1,05    | 1,05    | 0,00  | 0,00  | 0,00  | 0,00    | -       | 1,05  |
| $W$ (ISO paper, D65)                                                                       | 0,313        | 0,329     | 84,21                                           | 88,60     | 96,48     | 95,41                                                                               | 0,00        | 0,00        | 0,00           | 0            | 1,00                                                                             | 1,00    | 1,00    | 0,00  | 0,00  | 0,00  | 0,00    | -       | 1,00  |
| $N$ (black printing colour)                                                                | 0,313        | 0,329     | 2,40                                            | 2,52      | 2,74      | 18,01                                                                               | 0,00        | 0,00        | 0,00           | 0            | 0,00                                                                             | 0,00    | 0,00    | 1,00  | 0,00  | 0,00  | 0,00    | -       | 0,00  |
| $N0$ (ideal black#, D65)                                                                   | -            | -         | 0,00                                            | 0,00      | 0,00      | 0,00                                                                                | 0,00        | 0,00        | 0,00           | 0            | -0,19                                                                            | -0,19   | -0,19   | 1,19  | 0,00  | 0,00  | 0,00    | -       | -0,19 |

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grafico TUB-SI57; Relative offset colour system  
CIE data of 3 basic and 3 mixture colours,  $Y_W=88,6$

immettere: w/rgb/cmyk -> w/rgb/cmyk-  
uscita: nessun cambiamento