

vedi file simili: http://farbe.li.tu-berlin.de/MI96/MI96.HTM  
 http://130.149.60.45/~farbmertik o http://farbe.li.tu-berlin.de

iscrizione TUB: 20160501-MI96/MI96L0N0.TXT /PS  
 Applicazione per la misura dell'output su display

TUB materiale: code=rh4ta

| perceived color terms (colorness: cube root coordinates) |   |                                       |
|--|---|---------------------------------------|
| perceived color terms                                    | name and relationship with standard valori cromatico  | Note:                                 |
| <b>chiarezza</b>   | $L^* = 116 ( Y / 100 )^{1/3} - 16$<br>Approssimazione: $L^* = 100 ( Y / 100 )^{1/3}$              | definition 1976 in:<br>CIELUV, CIELAB |
| <b>chroma</b>  | per diagramma chroma (A, B)   |                                       |
| rosso-verde  | $a^* = 500 [ ( X / X_n )^{1/3} - ( Y / Y_n )^{1/3} ]$<br>$= 500 ( a' - a'_n ) Y^{1/3}$            | definition 1976 per:<br>CIELAB        |
| giallo-blu   | $b^* = 200 [ ( Y / Y_n )^{1/3} - ( Z / Z_n )^{1/3} ]$<br>$= 500 ( b' - b'_n ) Y^{1/3}$            | $n=D65$ (sfondo)                      |
| radiale  | $C^* = [ a^{*2} + b^{*2} ]^{1/2}$   |                                       |
| <b>saturation</b>  | = chroma / chiarezza  | definition                            |
| rosso-verde  | $S_a^* = a^* / [ 100 ( Y / 100 )^{1/3} ]$<br>$= 21,6 ( a' - a'_n )$                               | per:<br>CIELAB 1976                   |
| giallo-blu   | $S_b^* = b^* / [ 100 ( Y / 100 )^{1/3} ]$<br>$= 21,6 ( b' - b'_n )$                               |                                       |
| radiale  | $S_c^* = C^* / [ 100 ( Y / 100 )^{1/3} ]$<br>$= 21,6 [ ( a' - a'_n )^2 + ( b' - b'_n )^2 ]^{1/2}$ |                                       |
| <b>chromaticito</b>                                      | for nonlinear chromaticity diagram (a', b') definition  |                                       |
| rosso-verde  | $a' = ( 1 / X_n )^{1/3} ( x / y )^{1/3}$  | opponent                              |
| giallo-blu   | $= 0,2191 ( x / y )^{1/3}$ per D65  | color system                          |
| radiale  | $b' = -0,4 ( 1 / Z_n )^{1/3} ( z / y )^{1/3}$<br>$= -0,08376 ( z / y )^{1/3}$ per D65             |                                       |
|  | $c' = [ ( a' - a'_n )^2 + ( b' - b'_n )^2 ]^{1/2}$  |                                       |

