

| Basic television colour or<br>mixture colour for D65<br>TLS00(a); Y <sub>W</sub> =88,6 +2,5 | chromaticity   |                | tristimulus values<br>(Y=100,00 for white D65) |                |                | Standard CIELAB data LAB*d<br>(L*=100,00 for white; L*=18,01 for black) |        |        |        |                   |
|---------------------------------------------------------------------------------------------|----------------|----------------|------------------------------------------------|----------------|----------------|-------------------------------------------------------------------------|--------|--------|--------|-------------------|
|                                                                                             | x <sub>d</sub> | y <sub>d</sub> | X <sub>d</sub>                                 | Y <sub>d</sub> | Z <sub>d</sub> | L*d                                                                     | a*d    | b*d    | C*ab,d | h <sub>ab,d</sub> |
| three additive mixture colours: television colours acc. to ITU-R BT.709-3                   |                |                |                                                |                |                |                                                                         |        |        |        |                   |
| C <sub>d</sub> cyan (cyan blue)                                                             | 0,228          | 0,329          | 48,71                                          | 70,30          | 94,79          | 87,14                                                                   | -44,44 | -13,14 | 46,32  | 196               |
| M <sub>d</sub> magenta (magenta red)                                                        | 0,321          | 0,162          | 53,43                                          | 27,04          | 86,23          | 59,01                                                                   | 89,33  | -55,69 | 105,26 | 328               |
| Y <sub>d</sub> yellow                                                                       | 0,414          | 0,497          | 68,67                                          | 82,33          | 14,67          | 92,74                                                                   | -20,06 | 84,97  | 87,30  | 103               |
| three additive basic colours: television colours acc. to ITU-R BT.709-3                     |                |                |                                                |                |                |                                                                         |        |        |        |                   |
| R <sub>d</sub> red (orange red)                                                             | 0,600          | 0,330          | 37,89                                          | 20,82          | 4,41           | 52,76                                                                   | 71,63  | 49,87  | 87,29  | 35                |
| G <sub>d</sub> green (leaf green)                                                           | 0,301          | 0,581          | 33,18                                          | 64,08          | 13,00          | 84,01                                                                   | -79,02 | 73,94  | 108,20 | 137               |
| B <sub>d</sub> blue (violet blue)                                                           | 0,161          | 0,079          | 17,93                                          | 8,73           | 84,57          | 35,47                                                                   | 64,92  | -95,08 | 115,12 | 304               |
| achromatic colours:                                                                         |                |                |                                                |                |                |                                                                         |        |        |        |                   |
| W (ideal white, 100,00%)                                                                    | 0,313          | 0,329          | 95,05                                          | 100,00         | 108,90         | 100,00                                                                  | 0,00   | 0,00   | 0,00   | 0                 |
| W1 (white monitor, 88,6%)                                                                   | 0,313          | 0,329          | 84,21                                          | 88,60          | 96,49          | 95,41                                                                   | 0,00   | 0,00   | 0,00   | 0                 |
| N (black monitor, 2,52%)                                                                    | 0,313          | 0,329          | 2,40                                           | 2,52           | 2,74           | 18,01                                                                   | 0,00   | 0,00   | 0,00   | 0                 |
| NO (ideal black, 0,00%)                                                                     | -              | -              | 0,00                                           | 0,00           | 0,00           | 0,00                                                                    | 0,00   | 0,00   | 0,00   | 0                 |

SN560-3

| Basic television colour or<br>mixture colour for D65<br>TLS00(a); Y <sub>W</sub> =88,6 +2,5 | chromaticity   |                | tristimulus values<br>(Y=88,6 for white D65) |                |                | adapted= standard CIELAB data LAB*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 <sub>d</sub> | y <sub>d</sub> | X <sub>d</sub>                               | Y <sub>d</sub> | Z <sub>d</sub> | L*d                                                                            | a*d    | b*d    | C*ab,d | h <sub>ab,d</sub> | r*d                                                                   | g*d   | b*d   | n*   | c*   | h*    | e*e   | u*e  | t*    |
| three additive mixture colours: television colours acc. to ITU-R BT.709-3                   |                |                |                                              |                |                |                                                                                |        |        |        |                   |                                                                       |       |       |      |      |       |       |      |       |
| C <sub>d</sub> cyan (cyan blue)                                                             | 0,228          | 0,329          | 48,71                                        | 70,30          | 94,79          | 87,14                                                                          | -44,44 | -13,14 | 46,32  | 196               | 0,00                                                                  | 1,00  | 1,00  | 0,00 | 1,00 | 0,546 | 0,578 | G31B | 0,50  |
| M <sub>d</sub> magenta (magenta red)                                                        | 0,321          | 0,162          | 53,43                                        | 27,04          | 86,23          | 59,01                                                                          | 89,33  | -55,69 | 105,26 | 328               | 1,00                                                                  | 0,00  | 1,00  | 0,00 | 1,00 | 0,911 | 0,875 | B50R | 0,50  |
| Y <sub>d</sub> yellow                                                                       | 0,414          | 0,497          | 68,67                                        | 82,33          | 14,67          | 92,74                                                                          | -20,06 | 84,97  | 87,30  | 103               | 1,00                                                                  | 1,00  | 0,00  | 0,00 | 1,00 | 0,287 | 0,289 | Y15G | 0,50  |
| three additive basic colours: television colours acc. to ITU-R BT.709-3                     |                |                |                                              |                |                |                                                                                |        |        |        |                   |                                                                       |       |       |      |      |       |       |      |       |
| R <sub>d</sub> red (orange red)                                                             | 0,600          | 0,330          | 37,89                                        | 20,82          | 4,41           | 52,76                                                                          | 71,63  | 49,87  | 87,29  | 35                | 1,00                                                                  | 0,00  | 0,00  | 0,00 | 1,00 | 0,097 | 0,036 | R14Y | 0,50  |
| G <sub>d</sub> green (leaf green)                                                           | 0,301          | 0,581          | 33,18                                        | 64,08          | 13,00          | 84,01                                                                          | -79,02 | 73,94  | 108,20 | 137               | 0,00                                                                  | 1,00  | 0,00  | 0,00 | 1,00 | 0,380 | 0,411 | Y64G | 0,50  |
| B <sub>d</sub> blue (violet blue)                                                           | 0,161          | 0,079          | 17,93                                        | 8,73           | 84,57          | 35,47                                                                          | 64,92  | -95,08 | 115,12 | 304               | 0,00                                                                  | 0,00  | 1,00  | 0,00 | 1,00 | 0,845 | 0,822 | B28R | 0,50  |
| achromatic colours:                                                                         |                |                |                                              |                |                |                                                                                |        |        |        |                   |                                                                       |       |       |      |      |       |       |      |       |
| W (ideal white, 100,00%)                                                                    | 0,313          | 0,329          | 95,05                                        | 100,00         | 108,90         | 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  |
| W1 (white monitor, 88,6%)                                                                   | 0,313          | 0,329          | 84,21                                        | 88,60          | 96,49          | 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 monitor, 2,52%)                                                                    | 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  |
| NO (ideal black, 0,00%)                                                                     | -              | -              | 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 |

SN560-7

TUB-test chart SN56; Relative television colour system  
CIE data of 3 basic and 3 mixture colours, Y<sub>w</sub>=88,6

input: w/rgb/cmyk -> w/rgb/cmyk-  
output: no change compared