

Offset rgb^* input data and LCh^* output data

Color	rgb^*	LCh^*
R_e elementary red	1 0 0	47, 74, 26
Y_e elementary yellow	1 1 0	86, 88, 92
G_e elementary green	0 1 0	53, 57, 164
B_e elementary blue	0 0 1	42, 45, 271
N black	0 0 0	18, 0, 0
W white	1 1 1	95, 0, 0

Data according to test chart DIN 33872-2, p.9-12

<http://farbe.li.tu-berlin.de/A/33872E.html>

Elementary-hue angles of CIE R1-47, see

<http://web.archive.org/web/20160304130704/http://files.cie.co.at/526.pdf>

9 step offset colours in CIELAB colour space

$LCh^*_W = 95, 0, 0$

$rgb^*_W = 1, 1, 1$

White W

$I^* = 75$

Black N

$LCh^*_N = 18, 0, 0$

$rgb^*_N = 0, 0, 0$

$rgb^*_F = 0, 75, 0, 25, 0$

ICC encoding space

(C^*_{ab}, L^*)

$= (142, 100)$

$h_{ab} = 26$

CIELAB lightness L^*

100

9 steps

9 steps

9 steps

red R_e

$LCh^*_R = 47, 74, 26$

$rgb^*_R = 1, 0, 0$

100

$C^*_{ab} = 37$

CIELAB chroma C^*_{ab}