



### basic and mixed colors of standard color printing by DIN 16 539

basic color or mixed color and name	CIE standard chromaticity x	y	CIE standard tristimulus value X	Y	Z
<i>three subtractive basic colors:</i>					
C cyanblue	0,1553	0,1967	16,92	21,44	70,62
M magentared	0,4675	0,2314	33,88	16,77	21,82
Y yellow	0,4399	0,4925	68,13	76,28	10,48
<i>three subtractive mixed colors:</i>					
O orangered	0,6152	0,3226	30,51	16,00	3,08
L leafgreen	0,1958	0,5256	6,05	16,23	8,06
V violetblue	0,1807	0,1009	4,86	2,72	19,33
NLC (white)	0,3101	0,3162	98,07	100,00	118,22

ME450-3\_BTV\_07

### basic and mixed colors of a test offset color printing process

basic color or mixed color and name	CIE standard chromaticity x	y	CIE standard tristimulus value X	Y	Z
<i>three subtractive basic colors:</i>					
C cyanblue	0,1776	0,2510	20,04	28,32	64,46
M magentared	0,4298	0,2320	29,94	16,17	23,56
Y yellow	0,4512	0,5000	62,08	68,74	6,75
<i>three subtractive mixed colors:</i>					
O orangered	0,6261	0,3368	21,57	11,60	1,28
L leafgreen	0,2416	0,5989	5,82	14,43	3,84
V violetblue	0,1890	0,1326	4,39	3,08	15,77
D65 (white paper, D65)	0,3173	0,3337	77,74	81,79	85,43
N (printing black)	0,3130	0,3258	4,12	4,29	4,75

ME450-7\_BTV\_08

TUB-test chart ME45; Richter: Computer graphics, colorimetry  
Colour book series: colorimetric tables and calculations no. 7

input: cmyk setcmykcolor  
output: no colour data change