

System: TLS00	J50G	J	R50J	R50J
	G			
	G50B	B	B50R	
	G50J			

Inform. Techn. (IT) relative: <i>olv*</i> 0.051 0.861 0.181 <i>cmv*</i> 0.949 0.139 0.819 CIELAB absolute: <i>LAB*</i> 72.99 -62.23 52.5 <i>LAB*a</i> 72.99 -62.23 52.5 <i>LCH*a</i> 72.99 81.43 139.85 CIELAB relative: <i>tab*</i> 0.456 -0.618 0.522 <i>tch*</i> 0.456 0.81 0.388 <i>nwl*</i> 0.139 0.051 0.765 Natural Colour (NC) relative: <i>trj*</i> 0.456 -0.65 0.482 <i>tce*</i> 0.456 0.81 0.399 <i>nce*</i> 0.139 0.81 j59g	Inform. Techn. (IT) relative: <i>olv*</i> 1.049 0.896 -0.021 <i>cmv*</i> -0.048 0.104 1.022 CIELAB absolute: <i>LAB*</i> 90.7 -7.22 93.2 <i>LAB*a</i> 90.7 -7.22 93.2 <i>LCH*a</i> 90.7 93.48 94.44 CIELAB relative: <i>tab*</i> 0.514 -0.082 1.068 <i>tch*</i> 0.514 1.071 0.262 <i>nwl*</i> -0.048 -0.021 0.951 Natural Colour (NC) relative: <i>trj*</i> 0.514 0.0 1.071 <i>tce*</i> 0.514 1.071 0.25 <i>nce*</i> -0.048 1.071 r100j	Inform. Techn. (IT) relative: <i>olv*</i> 1.104 0.412 0.026 <i>cmv*</i> -0.103 0.588 0.974 CIELAB absolute: <i>LAB*</i> 73.18 45.25 79.64 <i>LAB*a</i> 73.18 45.25 79.64 <i>LCH*a</i> 73.18 91.6 60.4 CIELAB relative: <i>tab*</i> 0.565 0.532 0.937 <i>tch*</i> 0.565 1.077 0.168 <i>nwl*</i> -0.103 0.026 0.767 Natural Colour (NC) relative: <i>trj*</i> 0.565 0.803 0.718 <i>tce*</i> 0.565 1.077 0.116 <i>nce*</i> -0.103 1.077 r46j
Inform. Techn. (IT) relative: <i>olv*</i> -0.6 0.67 0.365 <i>cmv*</i> 1.601 0.33 0.635 CIELAB absolute: <i>LAB*</i> 52.11 -69.88 11.3 <i>LAB*a</i> 52.11 -69.88 11.3 <i>LCH*a</i> 52.11 70.8 170.82 CIELAB relative: <i>tab*</i> 0.034 -1.254 0.203 <i>tch*</i> 0.034 1.272 0.474 <i>nwl*</i> 0.33 -0.6 0.546 Natural Colour (NC) relative: <i>trj*</i> 0.034 -1.271 0.0 <i>tce*</i> 0.034 1.272 0.5 <i>nce*</i> 0.33 1.272 j100g	Inform. Techn. (IT) relative: <i>olv*</i> 0.596 0.593 0.572 <i>cmv*</i> 0.404 0.407 0.428 CIELAB absolute: <i>LAB*</i> 56.7 -0.23 2.13 <i>LAB*a</i> 56.7 -0.23 2.13 <i>LCH*a</i> 56.7 2.14 96.43 CIELAB relative: <i>tab*</i> 0.584 -0.002 0.024 <i>tch*</i> 0.584 0.024 0.268 <i>nwl*</i> 0.404 0.572 0.594 Natural Colour (NC) relative: <i>trj*</i> 0.584 0.0 0.024 <i>tce*</i> 0.584 0.024 0.257 <i>nce*</i> 0.404 0.024 j02g	Inform. Techn. (IT) relative: <i>olv*</i> 0.909 0.066 0.183 <i>cmv*</i> 0.091 0.934 0.817 CIELAB absolute: <i>LAB*</i> 49.63 66.86 40.03 <i>LAB*a</i> 49.63 66.86 40.03 <i>LCH*a</i> 49.63 77.93 30.91 CIELAB relative: <i>tab*</i> 0.487 0.723 0.433 <i>tch*</i> 0.487 0.843 0.086 <i>nwl*</i> 0.091 0.066 0.52 Natural Colour (NC) relative: <i>trj*</i> 0.487 0.843 0.0 <i>tce*</i> 0.487 0.843 1.0 <i>nce*</i> 0.091 0.843 b100r
Inform. Techn. (IT) relative: <i>olv*</i> -0.485 0.521 0.651 <i>cmv*</i> 1.486 0.479 0.349 CIELAB absolute: <i>LAB*</i> 45.03 -36.58 -27.11 <i>LAB*a</i> 45.03 -36.58 -27.11 <i>LCH*a</i> 45.03 45.54 216.55 CIELAB relative: <i>tab*</i> 0.082 -0.912 -0.676 <i>tch*</i> 0.082 1.137 0.602 <i>nwl*</i> 0.349 -0.485 0.472 Natural Colour (NC) relative: <i>trj*</i> 0.082 -0.935 -0.644 <i>tce*</i> 0.082 1.137 0.596 <i>nce*</i> 0.349 1.137 g38b	Inform. Techn. (IT) relative: <i>olv*</i> -0.159 0.249 0.788 <i>cmv*</i> 1.16 0.751 0.212 CIELAB absolute: <i>LAB*</i> 36.65 22.05 -61.32 <i>LAB*a</i> 36.65 22.05 -61.32 <i>LCH*a</i> 36.65 65.17 289.78 CIELAB relative: <i>tab*</i> 0.314 0.321 -0.891 <i>tch*</i> 0.314 0.948 0.805 <i>nwl*</i> 0.212 -0.159 0.384 Natural Colour (NC) relative: <i>trj*</i> 0.314 0.0 -0.947 <i>tce*</i> 0.314 0.948 0.75 <i>nce*</i> 0.212 0.948 g100b	Inform. Techn. (IT) relative: <i>olv*</i> 0.517 0.025 0.66 <i>cmv*</i> 0.483 0.975 0.34 CIELAB absolute: <i>LAB*</i> 34.94 57.33 -43.55 <i>LAB*a</i> 34.94 57.33 -43.55 <i>LCH*a</i> 34.94 72.0 322.77 CIELAB relative: <i>tab*</i> 0.343 0.506 -0.383 <i>tch*</i> 0.343 0.635 0.897 <i>nwl*</i> 0.34 0.025 0.366 Natural Colour (NC) relative: <i>trj*</i> 0.343 0.312 -0.553 <i>tce*</i> 0.343 0.635 0.832 <i>nce*</i> 0.34 0.635 b32r

LE830-7, Elementary and intermediate colours (8 colours) and grey; Device independent colour coordinates LAB* as input; all 8 defined by Miescher

BAM-test chart no. LE83; Reference: Miescher colours *RJGB*
Elementary and intermediate colours (8 colours) and grey

input: *cmvyn* setcmvycolor*
output: no change compared to input

System: TLS00

J50G

Inform. Techn. (IT) relative:
olv* 0.393 0.805 0.18
cmy* 0.607 0.195 0.82
CIELAB absolute:
LAB* 71.4 -38.55 52.25
LAB*a 71.4 -38.55 52.25
LCH*a 71.4 64.94 126.43
CIELAB relative:
tab* 0.493 -0.37 0.503
tch* 0.493 0.625 0.351
nwl* 0.195 0.18 0.748
Natural Colour (NC) relative:
trj* 0.493 -0.381 0.495
tce* 0.493 0.625 0.355
nce* 0.195 0.625 j41g

J

Inform. Techn. (IT) relative:
olv* 1.049 0.896 -0.021
cmy* -0.048 0.104 1.022
CIELAB absolute:
LAB* 90.7 -7.22 93.2
LAB*a 90.7 -7.22 93.2
LCH*a 90.7 93.48 94.44
CIELAB relative:
tab* 0.514 -0.082 1.068
tch* 0.514 1.071 0.262
nwl* -0.048 -0.021 0.951
Natural Colour (NC) relative:
trj* 0.514 0.0 1.071
tce* 0.514 1.071 0.25
nce* -0.048 1.071 r100j

R50J

Inform. Techn. (IT) relative:
olv* 0.978 0.487 0.102
cmy* 0.022 0.513 0.898
CIELAB absolute:
LAB* 70.17 29.81 66.61
LAB*a 70.17 29.81 66.61
LCH*a 70.17 72.98 65.89
CIELAB relative:
tab* 0.54 0.358 0.799
tch* 0.54 0.876 0.183
nwl* 0.022 0.102 0.735
Natural Colour (NC) relative:
trj* 0.54 0.568 0.667
tce* 0.54 0.876 0.138
nce* 0.022 0.876 r55j

R50J

G

Inform. Techn. (IT) relative:
olv* -0.6 0.67 0.365
cmy* 1.601 0.33 0.635
CIELAB absolute:
LAB* 52.11 -69.88 11.3
LAB*a 52.11 -69.88 11.3
LCH*a 52.11 70.8 170.82
CIELAB relative:
tab* 0.034 -1.254 0.203
tch* 0.034 1.272 0.474
nwl* 0.33 -0.6 0.546
Natural Colour (NC) relative:
trj* 0.034 -1.271 0.0
tce* 0.034 1.272 0.5
nce* 0.33 1.272 j100g

Inform. Techn. (IT) relative:
olv* 0.596 0.593 0.572
cmy* 0.404 0.407 0.428
CIELAB absolute:
LAB* 56.7 -0.23 2.13
LAB*a 56.7 -0.23 2.13
LCH*a 56.7 2.14 96.43
CIELAB relative:
tab* 0.584 -0.002 0.024
tch* 0.584 0.024 0.268
nwl* 0.404 0.572 0.594
Natural Colour (NC) relative:
trj* 0.584 0.0 0.024
tce* 0.584 0.024 0.257
nce* 0.404 0.024 j02g

R

Inform. Techn. (IT) relative:
olv* 0.909 0.066 0.183
cmy* 0.091 0.934 0.817
CIELAB absolute:
LAB* 49.63 66.86 40.03
LAB*a 49.63 66.86 40.03
LCH*a 49.63 77.93 30.91
CIELAB relative:
tab* 0.487 0.723 0.433
tch* 0.487 0.843 0.086
nwl* 0.091 0.066 0.52
Natural Colour (NC) relative:
trj* 0.487 0.843 0.0
tce* 0.487 0.843 1.0
nce* 0.091 0.843 b100r

G50B

Inform. Techn. (IT) relative:
olv* -0.265 0.487 0.63
cmy* 1.266 0.513 0.37
CIELAB absolute:
LAB* 44.38 -23.91 -25.01
LAB*a 44.38 -23.91 -25.01
LCH*a 44.38 34.61 226.28
CIELAB relative:
tab* 0.182 -0.618 -0.647
tch* 0.182 0.896 0.629
nwl* 0.37 -0.265 0.465
Natural Colour (NC) relative:
trj* 0.182 -0.665 -0.598
tce* 0.182 0.896 0.617
nce* 0.37 0.896 g46b

Inform. Techn. (IT) relative:
olv* -0.159 0.249 0.788
cmy* 1.16 0.751 0.212
CIELAB absolute:
LAB* 36.65 22.05 -61.32
LAB*a 36.65 22.05 -61.32
LCH*a 36.65 65.17 289.78
CIELAB relative:
tab* 0.314 0.321 -0.891
tch* 0.314 0.948 0.805
nwl* 0.212 -0.159 0.384
Natural Colour (NC) relative:
trj* 0.314 0.0 -0.947
tce* 0.314 0.948 0.75
nce* 0.212 0.948 g100b

B50R

Inform. Techn. (IT) relative:
olv* 0.662 0.163 0.512
cmy* 0.338 0.837 0.488
CIELAB absolute:
LAB* 43.14 44.46 -10.64
LAB*a 43.14 44.46 -10.64
LCH*a 43.14 45.71 346.53
CIELAB relative:
tab* 0.413 0.485 -0.115
tch* 0.413 0.499 0.963
nwl* 0.338 0.163 0.452
Natural Colour (NC) relative:
trj* 0.413 0.385 -0.316
tce* 0.413 0.499 0.89
nce* 0.338 0.499 b56r

G50J

B

B50R

LE830-7, Elementary and intermediate colours (8 colours) and grey; Device independent colour coordinates LAB* as input; 4 defined by Miescher and R50J, J50G, G50B, B50R interpolated

BAM-test chart no. LE83; Reference: Miescher colours *RJGB*
Elementary and intermediate colours (8 colours) and grey

input: *cmyn* setcmykcolor*
output: *no change compared to input*

	J50G	J	R50J	
System: TLS00	Inform. Techn. (IT) relative: <i>olv*</i> 0.532 0.733 0.24 <i>cmv*</i> 0.468 0.267 0.76 CIELAB absolute: <i>LAB*</i> 66.75 -22.65 42.58 <i>LAB*a</i> 66.75 -22.65 42.58 <i>LCH*a</i> 66.75 48.23 118.02 CIELAB relative: <i>tab*</i> 0.486 -0.231 0.435 <i>tch*</i> 0.486 0.493 0.328 <i>nwl*</i> 0.267 0.24 0.7 Natural Colour (NC) relative: <i>trj*</i> 0.486 -0.229 0.436 <i>tce*</i> 0.486 0.493 0.327 <i>nce*</i> 0.267 0.493 j30g	Inform. Techn. (IT) relative: <i>olv*</i> 0.94 0.794 0.11 <i>cmv*</i> 0.06 0.206 0.89 CIELAB absolute: <i>LAB*</i> 81.26 -2.88 71.56 <i>LAB*a</i> 81.26 -2.88 71.56 <i>LCH*a</i> 81.26 71.62 92.31 CIELAB relative: <i>tab*</i> 0.525 -0.033 0.83 <i>tch*</i> 0.525 0.831 0.256 <i>nwl*</i> 0.06 0.11 0.852 Natural Colour (NC) relative: <i>trj*</i> 0.525 0.044 0.83 <i>tce*</i> 0.525 0.831 0.242 <i>nce*</i> 0.06 0.831 r96j	Inform. Techn. (IT) relative: <i>olv*</i> 0.844 0.415 0.172 <i>cmv*</i> 0.156 0.585 0.828 CIELAB absolute: <i>LAB*</i> 60.59 27.93 49.78 <i>LAB*a</i> 60.59 27.93 49.78 <i>LCH*a</i> 60.59 57.07 60.71 CIELAB relative: <i>tab*</i> 0.508 0.329 0.586 <i>tch*</i> 0.508 0.672 0.169 <i>nwl*</i> 0.156 0.172 0.635 Natural Colour (NC) relative: <i>trj*</i> 0.508 0.498 0.452 <i>tce*</i> 0.508 0.672 0.117 <i>nce*</i> 0.156 0.672 r46j	
G	Inform. Techn. (IT) relative: <i>olv*</i> -0.099 0.62 0.37 <i>cmv*</i> 1.1 0.38 0.63 CIELAB absolute: <i>LAB*</i> 52.23 -42.41 13.6 <i>LAB*a</i> 52.23 -42.41 13.6 <i>LCH*a</i> 52.23 44.55 162.22 CIELAB relative: <i>tab*</i> 0.26 -0.685 0.22 <i>tch*</i> 0.26 0.721 0.451 <i>nwl*</i> 0.38 -0.099 0.547 Natural Colour (NC) relative: <i>trj*</i> 0.26 -0.708 0.127 <i>tce*</i> 0.26 0.721 0.472 <i>nce*</i> 0.38 0.721 j88g	Inform. Techn. (IT) relative: <i>olv*</i> 0.596 0.593 0.572 <i>cmv*</i> 0.404 0.407 0.428 CIELAB absolute: <i>LAB*</i> 56.7 -0.23 2.13 <i>LAB*a</i> 56.7 -0.23 2.13 <i>LCH*a</i> 56.7 2.14 96.43 CIELAB relative: <i>tab*</i> 0.584 -0.002 0.024 <i>tch*</i> 0.584 0.024 0.268 <i>nwl*</i> 0.404 0.572 0.594 Natural Colour (NC) relative: <i>trj*</i> 0.584 0.0 0.024 <i>tce*</i> 0.584 0.024 0.257 <i>nce*</i> 0.404 0.024 j02g	Inform. Techn. (IT) relative: <i>olv*</i> 0.75 0.022 0.177 <i>cmv*</i> 0.25 0.978 0.823 CIELAB absolute: <i>LAB*</i> 39.92 58.74 27.99 <i>LAB*a</i> 39.92 58.74 27.99 <i>LCH*a</i> 39.92 65.07 25.48 CIELAB relative: <i>tab*</i> 0.386 0.658 0.313 <i>tch*</i> 0.386 0.729 0.071 <i>nwl*</i> 0.25 0.022 0.418 Natural Colour (NC) relative: <i>trj*</i> 0.386 0.726 -0.06 <i>tce*</i> 0.386 0.729 0.987 <i>nce*</i> 0.25 0.729 b94r	R
G50B	Inform. Techn. (IT) relative: <i>olv*</i> -0.12 0.459 0.542 <i>cmv*</i> 1.121 0.541 0.458 CIELAB absolute: <i>LAB*</i> 41.4 -20.49 -16.43 <i>LAB*a</i> 41.4 -20.49 -16.43 <i>LCH*a</i> 41.4 26.28 218.71 CIELAB relative: <i>tab*</i> 0.211 -0.516 -0.414 <i>tch*</i> 0.211 0.663 0.608 <i>nwl*</i> 0.458 -0.12 0.434 Natural Colour (NC) relative: <i>trj*</i> 0.211 -0.534 -0.391 <i>tce*</i> 0.211 0.663 0.601 <i>nce*</i> 0.458 0.663 g40b	Inform. Techn. (IT) relative: <i>olv*</i> -0.328 0.254 0.626 <i>cmv*</i> 1.329 0.746 0.374 CIELAB absolute: <i>LAB*</i> 30.57 1.41 -46.46 <i>LAB*a</i> 30.57 1.41 -46.46 <i>LCH*a</i> 30.57 46.49 271.74 CIELAB relative: <i>tab*</i> 0.149 0.029 -0.954 <i>tch*</i> 0.149 0.955 0.755 <i>nwl*</i> 0.374 -0.328 0.32 Natural Colour (NC) relative: <i>trj*</i> 0.149 -0.224 -0.927 <i>tce*</i> 0.149 0.955 0.712 <i>nce*</i> 0.374 0.955 g84b	Inform. Techn. (IT) relative: <i>olv*</i> 0.509 0.175 0.425 <i>cmv*</i> 0.491 0.825 0.575 CIELAB absolute: <i>LAB*</i> 35.25 30.08 -9.23 <i>LAB*a</i> 35.25 30.08 -9.23 <i>LCH*a</i> 35.25 31.46 342.92 CIELAB relative: <i>tab*</i> 0.342 0.319 -0.097 <i>tch*</i> 0.342 0.334 0.953 <i>nwl*</i> 0.491 0.175 0.369 Natural Colour (NC) relative: <i>trj*</i> 0.342 0.246 -0.226 <i>tce*</i> 0.342 0.334 0.881 <i>nce*</i> 0.491 0.334 b52r	B50R
	G50J	B	B50R	

LE830-7, Elementary and intermediate colours (8 colours) and grey; Device independent colour coordinates LAB* as input; 4 defined by CIE and R50J, J50G, G50B, B50R interpolated

BAM-test chart no. LE83; Reference: Miescher colours *RJGB*
Elementary and intermediate colours (8 colours) and grey

input: *cmyn* setcmykcolor*
output: no change compared to input