

Achromatic colours

five achromatic colours:

N black (french noir)
D dark grey
Z central grey
H light grey
W white

Elementary colours

"Neither-nor"-colours

four elementary colours:

R red
neither yellowish nor blueish
G green
neither yellowish nor blueish
B blue
neither greenish nor reddish
J yellow (french jaune)
neither greenish nor reddish

Reproduction colours

Television (TV), Print (PR)
Photography (PH)

six reproduction colours:

C cyanblue
M magentared
Y yellow
O orangered
L leafgreen
V violetblue

YE980-3

System	TLS00	TLS18	TLS27	TLS33	TLS00	TLS18	TLS27	TLS33	TLS00	TLS18	TLS27	TLS33	TLS00	TLS18	TLS27	TLS33
Gray Code	Lightness L^*				Luminance factor Y				Transmittance Y_t				Transmission $Y_t / Y_{\max}$			
	$L_N^* = 00$	18	27	33	$L_N^* = 00$	18	27	33	$L_N^* = 00$	18	27	33	$L_N^* = 00$	18	27	33
00, F	0.0	18.01	26.85	33.05	0.0	2.52	5.04	7.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01, E	6.36	23.17	31.42	37.21	0.7	3.85	6.83	9.65	0.7	1.33	1.79	2.09	0.008	0.015	0.021	0.026
02, D	12.72	28.33	35.99	41.36	1.52	5.58	9.0	12.09	1.52	3.06	3.96	4.53	0.017	0.036	0.047	0.056
03, C	19.08	33.49	40.56	45.52	2.77	7.77	11.59	14.92	2.77	5.25	6.55	7.36	0.031	0.061	0.078	0.091
04, B	25.44	38.65	45.13	49.68	4.56	10.46	14.64	18.15	4.56	7.94	9.6	10.59	0.051	0.092	0.115	0.131
05, A	31.8	43.81	49.7	53.84	7.0	13.71	18.17	21.82	7.0	11.19	13.13	14.26	0.079	0.13	0.157	0.176
06, 9	38.16	48.97	54.27	57.99	10.18	17.57	22.23	25.95	10.18	15.05	17.19	18.39	0.115	0.175	0.206	0.227
07, 8	44.52	54.13	58.84	62.15	14.2	22.1	26.86	30.58	14.2	19.58	21.82	23.02	0.16	0.227	0.261	0.284
08, 7	50.89	59.29	63.42	66.31	19.17	27.34	32.09	35.72	19.17	24.82	27.05	28.16	0.216	0.288	0.324	0.348
09, 6	57.25	64.45	67.99	70.47	25.18	33.36	37.95	41.42	25.18	30.84	32.91	33.86	0.284	0.358	0.394	0.418
10, 5	63.61	69.61	72.56	74.62	32.32	40.2	44.49	47.68	32.32	37.68	39.45	40.12	0.365	0.438	0.472	0.495
11, 4	69.97	74.77	77.13	78.78	40.7	47.91	51.74	54.55	40.7	45.39	46.7	46.99	0.459	0.527	0.559	0.58
12, 3	76.33	79.93	81.7	82.94	50.42	56.56	59.74	62.05	50.42	54.04	54.7	54.49	0.569	0.628	0.655	0.672
13, 2	82.69	85.09	86.27	87.1	61.58	66.18	68.53	70.2	61.58	63.66	63.49	62.64	0.695	0.74	0.76	0.773
14, 1	89.05	90.25	90.84	91.25	74.27	76.84	78.13	79.04	74.27	74.32	73.09	71.48	0.838	0.864	0.875	0.882
15, 0	95.41	95.41	95.41	95.41	88.59	88.59	88.59	88.59	88.59	86.07	83.55	81.03	1.0	1.0	1.0	1.0

YE980-7

BAM-test chart no. YE98; Colour image reproduction
Criteria elementary colours; monitor lightness reproduction

input: w (-> w*) setgray
output: no change compared to input