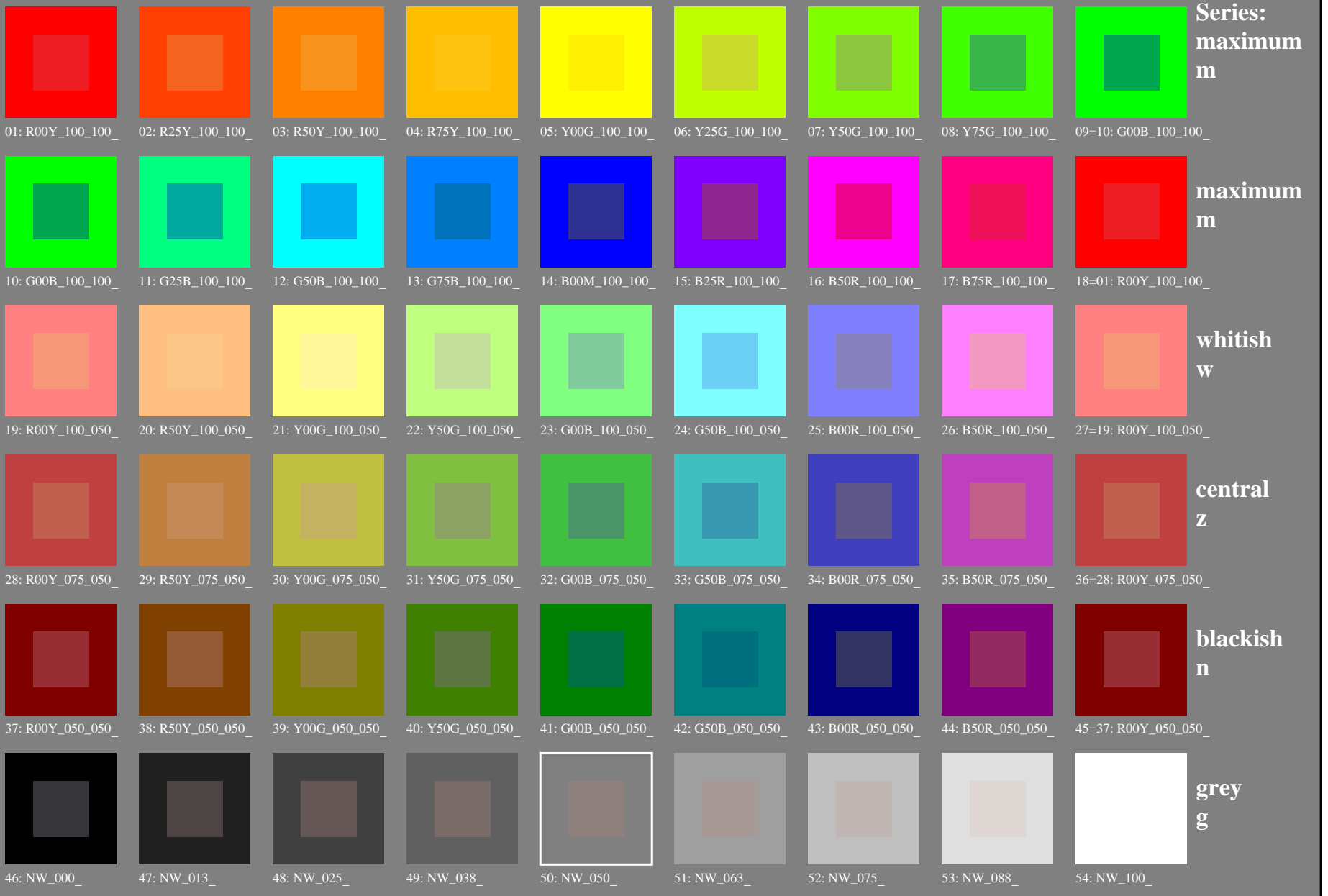


Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK)



Series:
maximum
m

maximum
m

whitish
w

central
z

blackish
n

grey
g

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

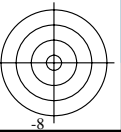
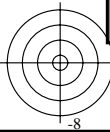
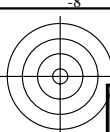
TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output

TUB material: code=rh4ta

5-103030-L0 PN190-7N

TUB-test chart PN19; colour rendering
54 standard colors; image technology

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



Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); *rgb*→*rgb*dd*

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

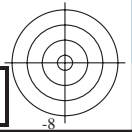
TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation *cmyn6** (CMYK)
TUB material: code=rh4ta



5-103130-L0 PN190-72

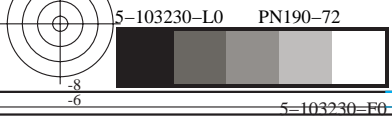
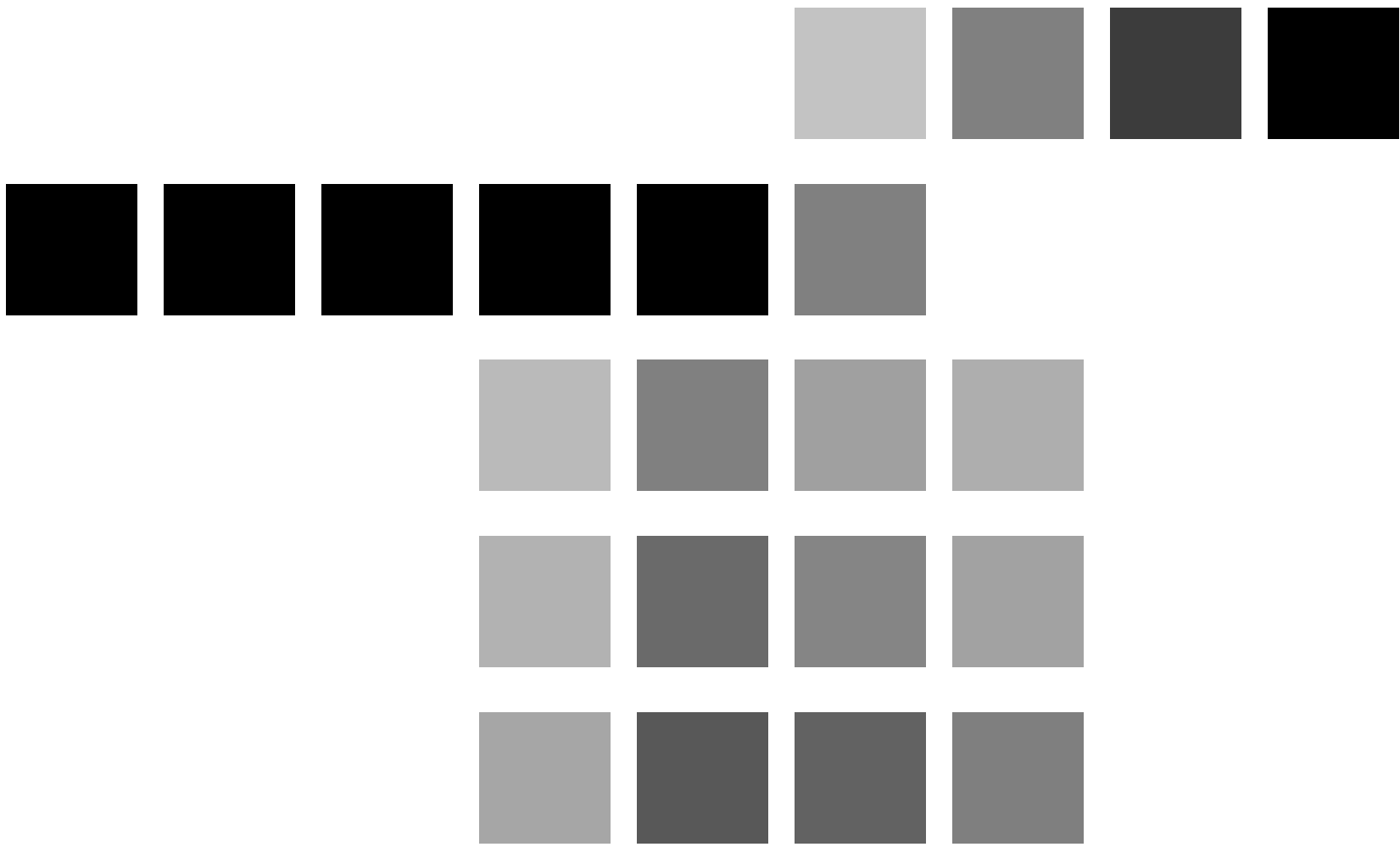
TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=0, *cmyn6**

input: *rgb/cmyk* → *rgb_{dd}*
output: 3D-linearization to *cmyn6*_{dd}*



see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19/PN19L0FP.PDF /.PS TUB material: code=rh4ta
application for measurement of laser printer output, separation $cm\dot{y}n6^*$ (CMYK)



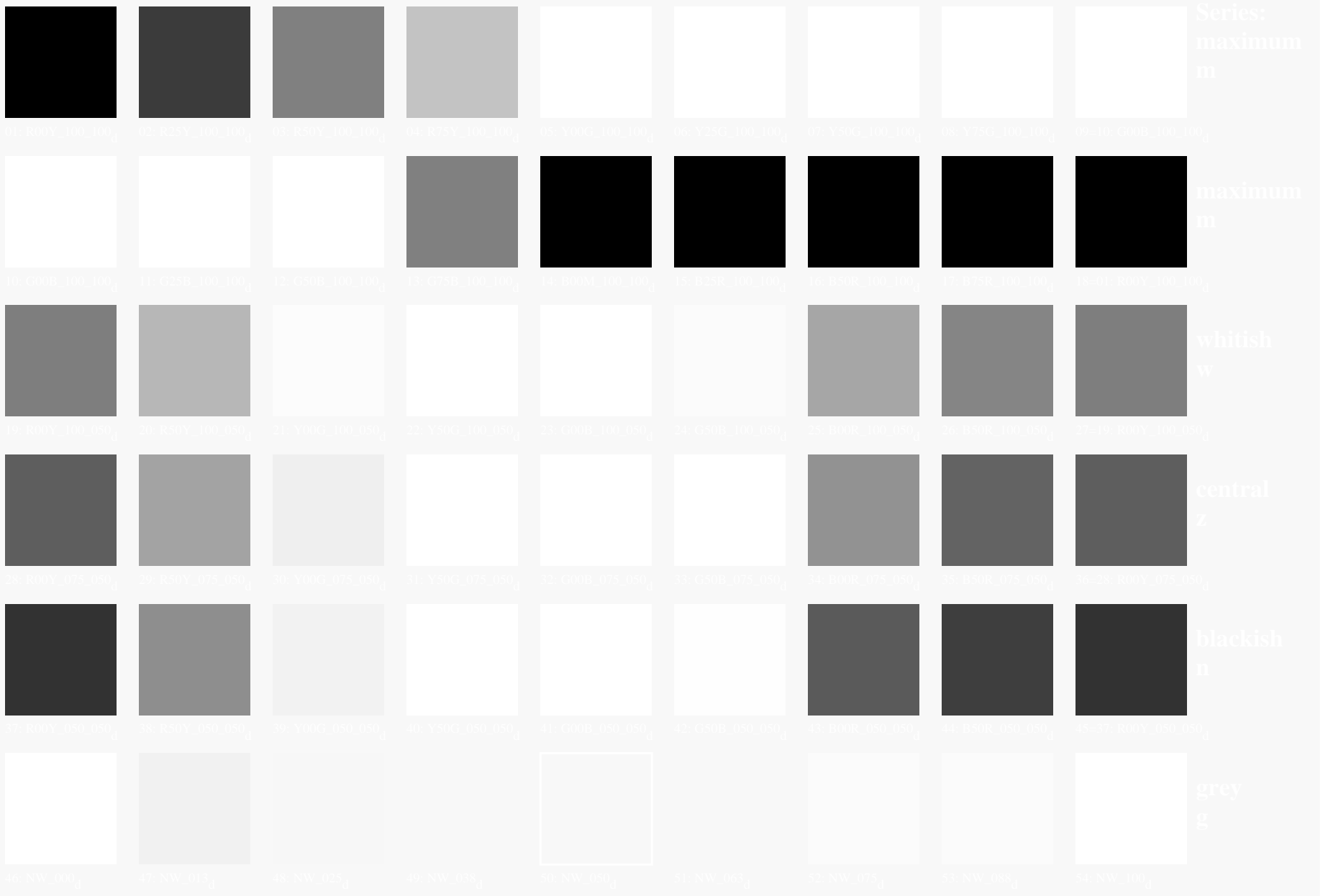
TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=0, $cm\dot{y}k^*$

input: $rgb/cmyk \rightarrow rgb_{dd}$
output: 3D-linearization to $cm\dot{y}k^*_{dd}$

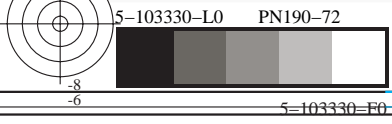


see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

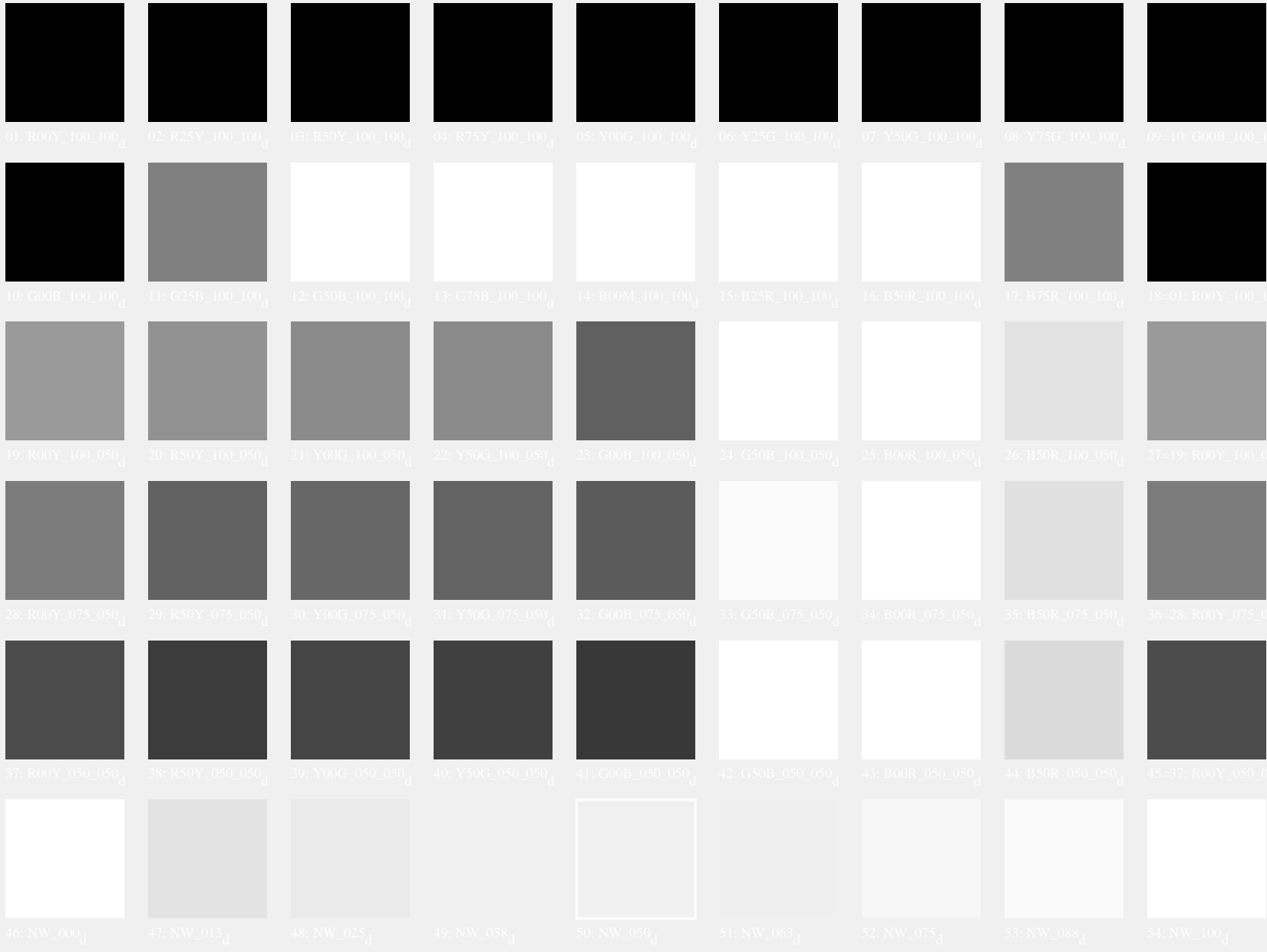
Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); *rgb* -> *rgb*dd*



TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation *cmyn6** (CMYK)
TUB material: code=rh4ta



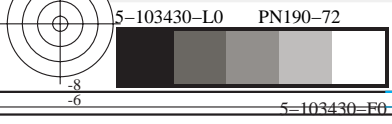
Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); *rgb*→*rgb*dd*



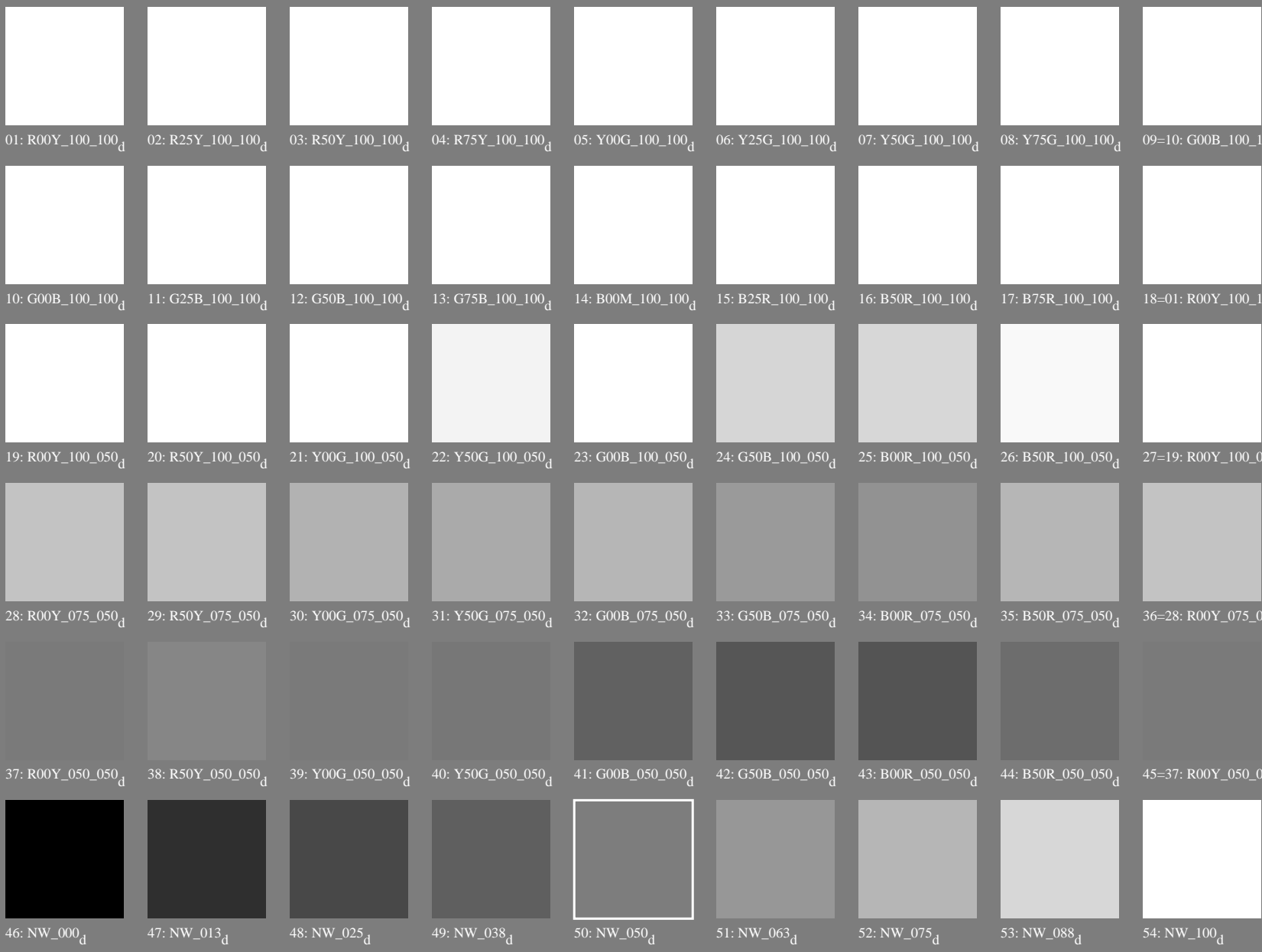
Series:
maximum
m
maximum
m
whitish
w
central
z
blackish
n
grey
g

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation *cmyn6** (CMYK)
TUB material: code=rh4ta



Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); *rgb*->*rgb*dd*



Series:
maximum
m

maximum
m

whitish
w

central
z

blackish
n

grey
g

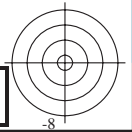
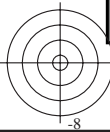
see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation *cmyn6** (CMYK)
TUB material: code=rh4ta

5-103530-L0 PN190-72

TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=0, *cmyn**

input: *rgb/cmyk* -> *rgb_{dd}*
output: 3D-linearization to *cmyn*_{dd}*



http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 9/22

Table with 80 columns (numbered 0-80) and 80 rows (numbered 0-80). Each cell contains numerical data representing color calibration values for various printer models and color channels.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 10/22

Table with 16 columns: n, HHC*Fid, rpb*Fid, icr*Fid, hsa*Fid, rpb*Fid, LabCM*Fid, cmyk*sep,Fid, rpb*Fid, hsa*Fid, rpb*Fid, LabCM*Fid, delta, rpb*Fid, hsa*Fid, LabCM*Fid. Rows 81-161.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 11/22

Table with 24 columns: n, HHC*Fid, rpb*Fid, icr*Fid, hsa*Fid, rpb*Fid, LabCH*Fid, cmyk*sep,Fid, rpb*Fid, hsa*Fid, LabCH*Fid, delta, rpb*Fid, hsa*Fid, LabCH*Fid, delta, rpb*Fid, hsa*Fid, LabCH*Fid, delta. Rows 162-242.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, AE*3, 3D=L, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 12/22

Table with 32 columns: n, HHC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabCM*Fid, LabCM*Sep, cmyk*Sep, rpb*Fid, rpb*Fid, LabCM*Fid, LabCM*Fid, delta. Rows 243-323.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, AE* 3D=1, de=0, cmyk*

<http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF> /PS; 3D-linearization
F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 13/22

n	HC*Fid	rgb_Fid	icr_Fid	hsa_Fid	rgb*Fid	LabCM*Fid	cmyp*sep_Fid	delta	hsa_Yld	rgb*Yld	LabCM*Yld	cmyp*sep_Yld	delta
324	ROY0_050_050	0.5	0.5	0.25	0.0	35.7	28.6	18.9	34.3	0.803	0.52	0.0	0.803
325	ROY0_050_050	0.5	0.0	0.25	0.0	35.7	28.6	14.2	31.4	0.802	0.601	0.0	0.802
326	ROY0_050_050	0.5	0.0	0.25	0.0	35.7	28.6	5.2	29.9	0.78	0.78	0.0	0.78
327	B61R_050_050	0.5	0.0	0.25	0.0	36.8	32.3	-3.5	32.5	0.761	0.215	0.0	0.761
328	B50R_050_050	0.5	0.0	0.25	0.0	36.0	32.7	-6.3	33.3	0.757	0.143	0.0	0.757
329	B40R_062_062	0.5	0.0	0.625	0.312	31.9	31.1	-12.0	38.1	0.778	0.535	0.035	0.778
330	B34R_075_075	0.5	0.0	0.75	0.375	31.0	31.1	-18.5	42.9	0.853	0.0	0.406	0.853
331	B28R_087_087	0.5	0.0	0.875	0.437	30.5	31.1	-24.9	47.9	0.921	0.214	0.334	0.921
332	B23R_100_100	0.5	0.0	1.0	0.5	30.0	31.1	-30.8	53.0	0.999	0.0	0.0	0.999
333	B18R_100_100	0.5	0.0	1.0	0.5	30.0	31.1	-30.8	53.0	0.999	0.0	0.0	0.999
334	ROY0_050_037	0.5	0.125	0.125	0.5	41.7	41.7	14.1	34.8	0.66	0.777	0.477	0.66
335	ROY0_050_037	0.5	0.125	0.25	0.5	41.7	41.7	22.9	33.4	0.613	0.511	0.497	0.613
336	B6SR_050_037	0.5	0.125	0.375	0.5	41.7	41.7	21.2	33.4	0.593	0.236	0.529	0.593
337	B6SR_050_037	0.5	0.125	0.375	0.5	41.7	41.7	23.5	33.4	0.584	0.155	0.542	0.584
338	B38R_062_062	0.5	0.125	0.625	0.5	42.1	42.1	-4.7	24.9	0.599	0.002	0.533	0.599
339	B38R_062_062	0.5	0.125	0.625	0.5	42.1	42.1	-10.4	24.9	0.675	0.0	0.413	0.675
340	B28R_087_087	0.5	0.125	0.875	0.5	42.3	42.3	-23.1	39.8	0.755	0.0	0.268	0.755
341	B20R_100_087	0.5	0.125	1.0	0.875	42.8	42.8	-29.5	45.7	0.759	0.151	0.317	0.759
342	ROY0_050_037	0.5	0.25	0.25	0.5	47.1	47.1	9.6	33.1	0.442	0.766	0.476	0.442
343	ROY0_050_037	0.5	0.25	0.375	0.5	47.1	47.1	13.3	33.4	0.506	0.601	0.48	0.506
344	ROY0_050_037	0.5	0.25	0.375	0.5	47.1	47.1	14.7	33.4	0.464	0.385	0.493	0.464
345	ROY0_050_037	0.5	0.25	0.375	0.5	47.1	47.1	2.6	14.9	0.426	0.259	0.515	0.426
346	B50R_062_037	0.5	0.25	0.625	0.5	47.9	47.9	-3.1	16.6	0.415	0.143	0.521	0.415
347	B34R_075_037	0.5	0.25	0.75	0.5	48.5	48.5	-15.4	21.4	0.427	0.04	0.414	0.427
348	B28R_087_037	0.5	0.25	0.875	0.5	48.5	48.5	-17.7	26.5	0.496	0.0	0.383	0.496
349	B23R_100_037	0.5	0.25	1.0	0.875	48.5	48.5	-21.9	38.4	0.566	0.0	0.316	0.566
350	B18R_100_037	0.5	0.25	1.0	0.875	48.5	48.5	-21.9	38.4	0.566	0.0	0.316	0.566
351	B68Y_050_037	0.5	0.375	0.125	0.5	53.7	53.7	21.4	38.4	0.228	0.742	0.0	0.228
352	B68Y_050_037	0.5	0.375	0.25	0.5	53.7	53.7	27.8	38.4	0.285	0.66	0.497	0.285
353	ROY0_050_012	0.5	0.375	0.375	0.5	53.8	53.8	16.5	17.2	0.295	0.439	0.496	0.295
354	ROY0_050_012	0.5	0.375	0.375	0.5	53.8	53.8	16.5	17.2	0.268	0.248	0.506	0.268
355	B50R_062_012	0.5	0.375	0.625	0.5	54.1	54.1	-1.5	8.5	0.244	0.124	0.514	0.244
356	B28R_087_012	0.5	0.375	0.875	0.5	54.1	54.1	-11.9	13.2	0.253	0.504	0.0	0.253
357	B18R_075_037	0.5	0.375	0.75	0.5	54.4	54.4	-13.9	19.1	0.342	0.0	0.409	0.342
358	B18R_075_037	0.5	0.375	0.75	0.5	54.4	54.4	-19.9	24.8	0.427	0.0	0.278	0.427
359	B09R_100_062	0.5	0.625	0.625	0.875	56.2	56.2	-25.6	30.6	0.302	0.351	0.492	0.302
360	Y00G_050_037	0.5	0.5	0.5	0.5	57.7	57.7	42.3	43.0	0.051	0.73	0.52	0.051
361	Y00G_050_037	0.5	0.5	0.5	0.5	57.7	57.7	42.3	43.0	0.086	0.585	0.523	0.086
362	Y00G_050_037	0.5	0.5	0.5	0.5	58.7	58.7	31.7	32.3	0.105	0.50	0.0	0.105
363	NW_050	0.5	0.5	0.5	0.5	59.3	59.3	-1.9	10.5	0.069	0.273	0.512	0.069
364	NW_050	0.5	0.5	0.5	0.5	59.3	59.3	0.0	0.0	0.029	0.059	0.51	0.029
365	B00R_062_012	0.5	0.625	0.125	0.562	70.0	70.0	2.1	-5.5	0.056	0.088	0.0	0.056
366	B00R_075_025	0.5	0.625	0.25	0.625	70.0	70.0	11.1	11.9	0.290	0.172	0.0	0.290
367	B00R_087_037	0.5	0.625	0.375	0.625	70.0	70.0	-16.7	17.8	0.239	0.28	0.0	0.239
368	B00R_100_050	0.5	0.625	0.5	0.875	70.0	70.0	-22.3	23.8	0.347	0.0	0.157	0.347
369	Y18G_062_062	0.5	0.625	0.625	0.312	10.1	10.1	-12.3	54.9	0.616	0.0	0.066	0.616
370	Y23G_062_062	0.5	0.625	0.625	0.125	10.1	10.1	-10.4	43.2	0.442	0.0	0.656	0.442
371	Y31G_062_037	0.5	0.625	0.375	0.437	10.9	10.9	-30.5	109.8	0.508	0.458	0.109	0.508
372	Y30G_062_025	0.5	0.625	0.25	0.5	10.4	10.4	-10.4	13.7	0.216	0.435	0.14	0.216
373	G00B_062_012	0.5	0.625	0.125	0.562	15.0	15.0	-8.4	3.8	0.029	0.059	0.102	0.029
374	G50B_062_012	0.5	0.625	0.25	0.625	20.0	20.0	-3.3	12.3	0.062	0.382	0.20	0.062
375	G35B_075_025	0.5	0.625	0.375	0.687	25.1	25.1	-18.4	18.4	0.248	0.248	0.301	0.248
376	G48B_087_037	0.5	0.625	0.5	0.875	25.1	25.1	-24.1	24.2	0.368	0.295	0.0	0.368
377	G88B_100_050	0.5	0.625	0.75	0.75	25.6	25.6	-1.6	-24.1	0.021	0.131	0.233	0.021
378	Y31G_075_037	0.5	0.75	0.375	0.562	69.4	69.4	61.0	109.8	0.267	0.882	0.276	0.267
379	Y38G_075_062	0.5	0.75	0.625	0.437	113	113	-20.3	113.8	0.273	0.82	0.321	0.273
380	Y46G_075_050	0.5	0.75	0.5	0.562	130	130	-24.4	130.3	0.301	0.709	0.334	0.301
381	G00B_075_025	0.5	0.75	0.25	0.625	151	151	-19.9	17.7	0.187	0.356	0.16	0.187
382	G00B_075_025	0.5	0.75	0.25	0.625	151	151	-19.9	17.7	0.187	0.356	0.16	0.187
383	G28B_075_025	0.5	0.75	0.25	0.625	180	180	-12.8	13.0	0.196	0.322	0.264	0.196
384	G00B_075_025	0.5	0.75	0.25	0.625	210	210	-7.5	18.5	0.033	0.384	0.266	0.033
385	G68B_087_037	0.5	0.75	0.375	0.687	229	229	-8.7	18.2	0.072	0.429	0.304	0.072
386	G78B_100_087	0.5	0.75	0.5	0.75	240	240	-6.6	24.7	0.065	0.465	0.34	0.065
387	Y41G_087_050	0.5	0.875	0.125	0.562	115	115	-31.0	55.7	0.933	0.165	0.0	0.933
388	Y50G_087_062	0.5	0.875	0.25	0.625	120	120	-29.5	30.3	0.791	0.212	0.42	0.791
389	Y16G_087_050	0.5	0.875	0.375	0.562	136	136	-18.8	19.8	0.693	0.208	0.0	0.693
390	G00B_087_037	0.5	0.875	0.375	0.687	169	169	-25.3	35.1	0.585	0.2	0.0	0.585
391	G00B_087_037	0.5	0.875	0.375	0.687	191	191	-22.5	21.1	0.453	0.192	0.0	0.453
392	G35B_087_037	0.5	0.875	0.375	0.687	191	191	-15.8	18.0	0.171	0.236	0.0	0.171
393	G50B_087_037	0.5	0.875	0.375	0.687	210	210	-11.2	-16.1	0.004	0.284	0.394	0.004
394	G61B_100_050	0.5	0.875	0.5	0.875	224	224	-13.1	-23.6	0.114	0.114	0.0	0.114
395	Y50G_100_050	0.5	0.875	0.5	0.875	224	224	-13.1	-23.6	0.073	0.073	0.0	0.073
396	Y58G_100_087	0.5	0.875	0.5	0.875	225	225	-40.0	44.0	0.824	0.004	0.0	0.824
397	Y81G_100_075	0.5	0.875	0.625	0.625	131	131	-37.4	33.5	0.721	0.0	0.498	0.721
398	Y81G_100_062	0.5	0.875	0.625	0.625	139	139	-31.4	23.3	0.644	0.0	0.498	0.644
400	G00B_100_050	0.5	1.0	0.5	1.0	0.5	1.0	75.0	-33.8	0.623	0.0	0.498	0.623
401	G11B_100_050	0.5	1.0	0.5	1.0	0.5	1.0	75.0	-33.8	0.623	0.0	0.498	0.623
402	G28B_100_050	0.5	1.0	0.5	1.0	0.5	1.0	75.0	-33.8	0.623	0.0	0.498	0.623
403	G38B_100_050	0.5	1.0	0.5	1.0	0.5	1.0	75.0	-33.8	0.623	0.0	0.498	0.623
404	G50B_100_050	0.5	1.0	0.5	1.0	0.5	1.0	75.0	-33.8	0.623	0.0	0.498	0.623

input: *rgb/cmyk* -> *rgbd*
output: 3D-linearization to *cmyk**
PN190-TN; 1322-F

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 14/22

Table with 10 columns: n, HHC*Fid, rcp_Fid, icr_Fid, hsa_Fid, rcp*Fid, LabCM*Fid, cmyk*_sep,Fid, rcp**Fid, hsa**Fid, LabCM**Fid, rcp**Mid, hsa**Mid, LabCM**Mid, rcp**Mid, hsa**Mid, LabCM**Mid, delta. Rows 405-485.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 16/22

Table with 15 columns: n, HHC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabCM*Fid, cmyk*_sep,Fid, cmyk*_Fid, rpb*Fid, hsa*Fid, LabCM*Fid, delta. Rows 567-647.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 17/22

Table with 15 columns: n, HHC*Fid, rcp_Fid, icr_Fid, Hrs_Fid, rcp*Fid, LabC*Fid, cmyk*_sep,Fid, rcp**Fid, Hrs*Fid, rcp**Fid, LabC**Fid, delta, and 15 numerical columns. The table contains 728 rows of data.

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE*3, 3D=L, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19L30FP.DAT in file (F), page 18/22

Table with 15 columns: n, H#C*Fid, rpb_Fid, icr_Fid, Hs_Fid, rpb_Fid, LabC*Fid, cmyk*_sep_Fid, rpb*_Fid, Hs*_Fid, LabC*_Fid, cmyk*_Fid, rpb*_Fid, Hs*_Fid, LabC*_Fid, delta. Rows include color patches like NV_100, G50B_100, etc.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE* 3D=1, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19L30FP.DAT in file (F), page 19/22

Table with 15 columns: n, H#C*Fid, rpb*Fid, icr*Fid, hsa*Fid, rpb*Fid, LabC*Fid, cmyk*sep,Fid, cmyk*sep,Fid, LabC*Fid, hsa*Fid, rpb*Fid, LabC*Fid, delta. Rows 810-890.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=0, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19L30FP.DAT in file (F), page 20/22

Table with 15 columns: n, HHC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabCM*Fid, cmyk*_sep,Fid, cmyk*_Fid, LabCM*Fid, hsa*Fid, rpb**Fid, LabCM**Fid, delta. Rows 891-971.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, AE* 3D=1, de=0, cmyk*

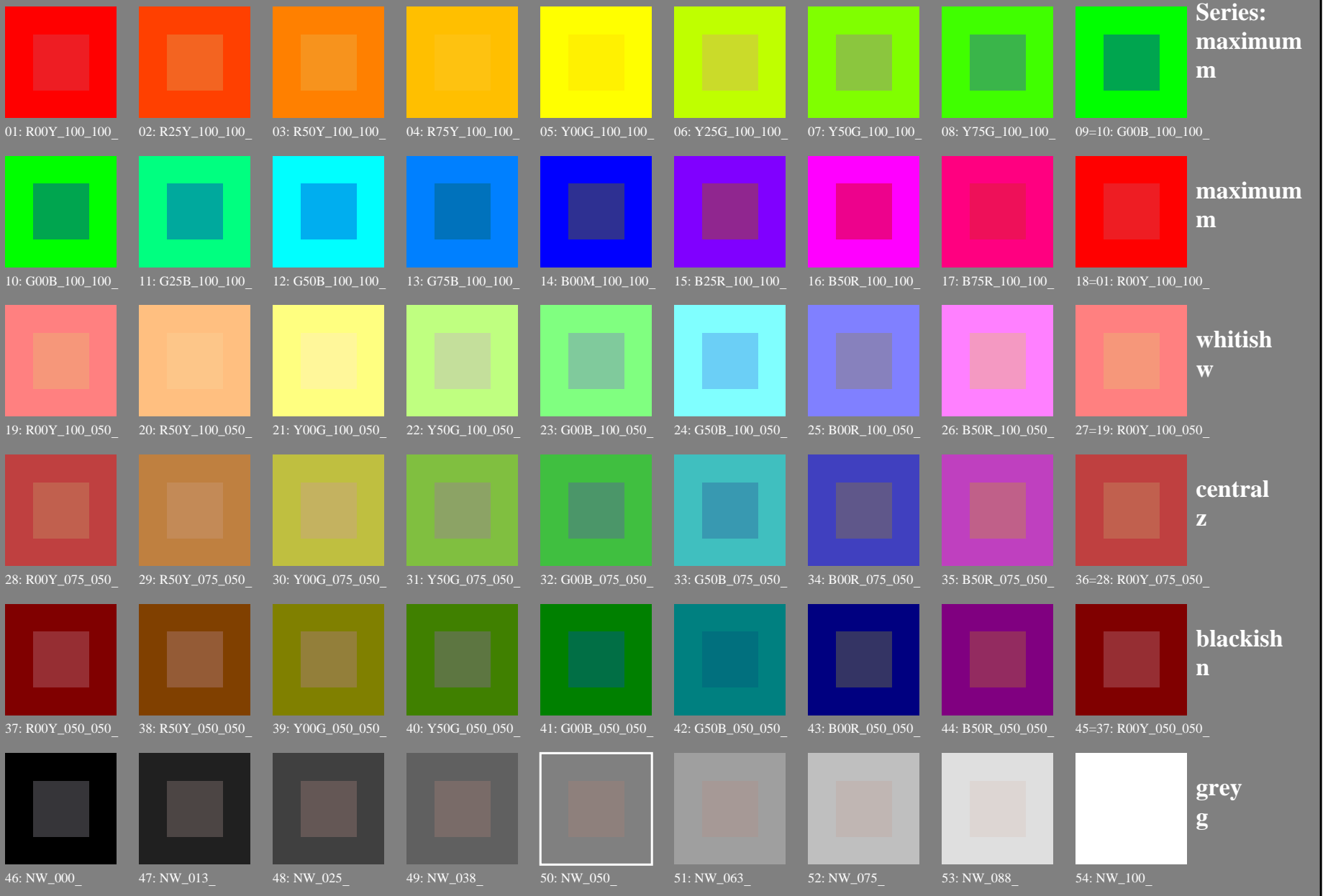
http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 21/22

Table with 15 columns: n, HC*Fid, rpb_Fid, icr_Fid, hsa_Fid, rpb*Fid, LabCM*Fid, cmyk*_sep,Fid, hsa_Jd, rpb*_Jd, LabCM*_Jd, LabCM*_Jd, delta. Rows 972-1052.

input: rgb/cmyk -> rgbdd output: 3D-linearization to cmyk*dd

TUB-test chart PN19; colour rendering colors and differences, ΔE*₃, 3D=L, de=0, cmyk*

Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK)



see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

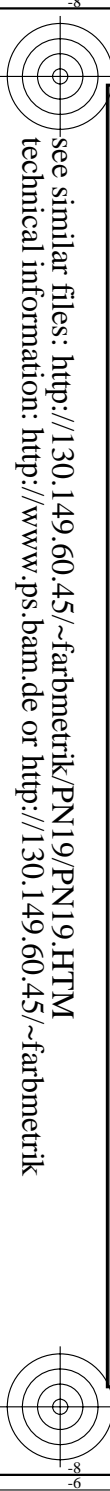
TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output

TUB material: code=rh4ta

5-113030-L0 PN190-7N

TUB-test chart PN19; colour rendering
54 standard colors; image technology

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



Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); rgb->rgb*de

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

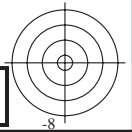
TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation cmyk*(CMYK)
TUB material: code=rh4ta

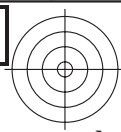


5-113130-L0 PN190-73

TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=1, cmyk*

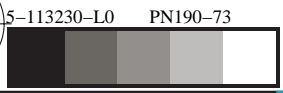
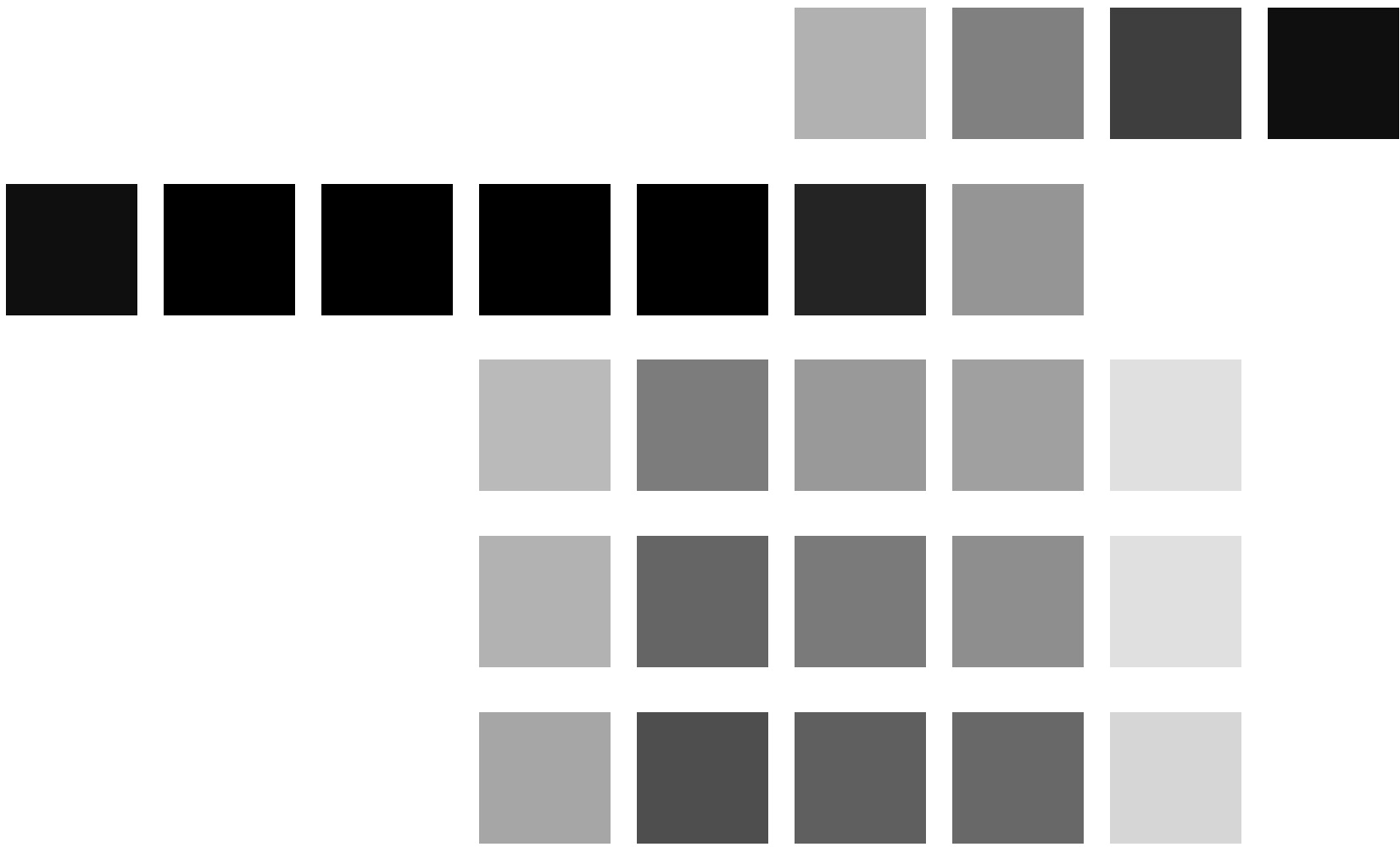
input: rgb/cmyk -> rgb_{de}
output: 3D-linearization to cmyk*_{de}





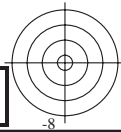
see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

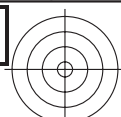
TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS TUB material: code=rh4ta
application for measurement of laser printer output, separation $cm\dot{y}n_6^*$ (CMYK)



TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=1, $cm\dot{y}k^*$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cm\dot{y}k^*_{de}$

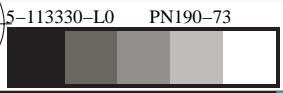
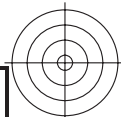
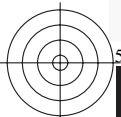
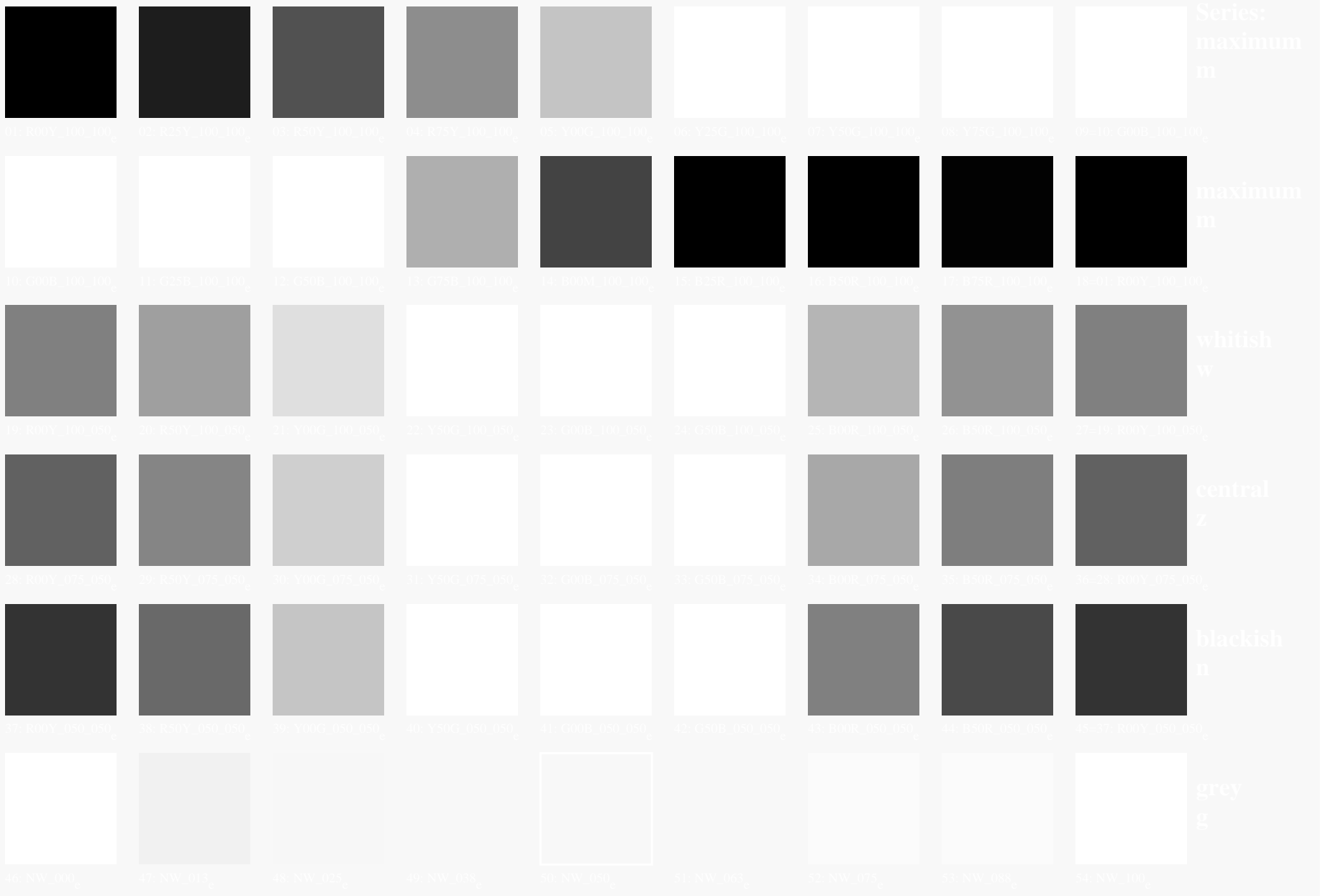




Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); $rgb \rightarrow rgb^*_{de}$

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation $cmyn^*_6$ (CMYK)
TUB material: code=rh4ta



TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, $de=1$, $cmyn^*_6$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to $cmyn^*_6$



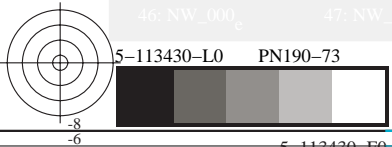
Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); $rgb \rightarrow rgb_{de}$



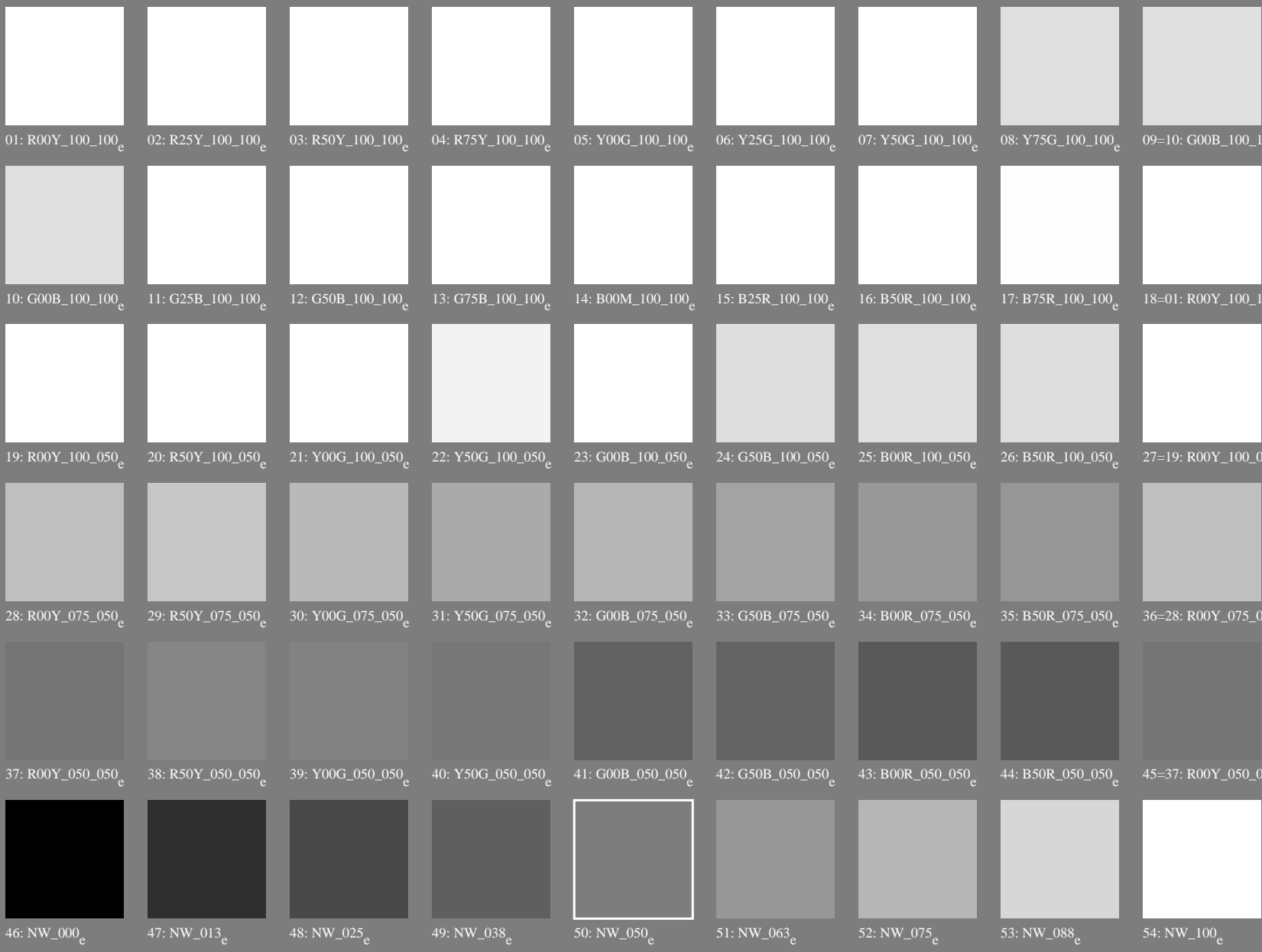
Series:
maximum
m
maximum
m
whitish
w
central
z
blackish
n
grey
g

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation $cmyn6^*$ (CMYK)
TUB material: code=rh4ta



Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); *rgb*→*rgb*de*



Series:
maximum
m

maximum
m

whitish
w

central
z

blackish
n

grey
g

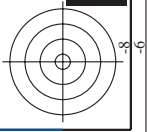
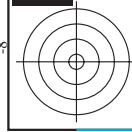
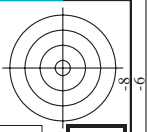
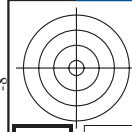
see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0FP.PDF /.PS
application for measurement of laser printer output, separation *cmyn6** (CMYK)
TUB material: code=rh4ta

5-113530-L0 PN190-73

TUB-test chart PN19; colour rendering
54 standard colors, 3D=1, de=1, *cmk**

input: *rgb/cmyk* → *rgb_{de}*
output: 3D-linearization to *cmk*_{de}*



http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 8/22

Table with columns: nuf, HHC*File, rpb_Rate, icr_File, hsa_Fate, rpb*File, LabC*File, cmyk*_sepRate, LabC*File, rpb*File, hsa*File, LabC*File, delta. The table contains 45 rows of data for various color patches and registration marks.

input: rgb/cmyk -> rgbde output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=L, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 9/22

Table with 10 columns: #, H#C*File, rgb*File, iet*File, hsa*File, rrgb*File, LabC*File, cmyk*sep,Rate, rrgb*File, hsa*File, LabC*File, delta. It contains 80 rows of data for various color patches.

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=L, cmyk*

PN190-7N2-F22

5-113830-F0

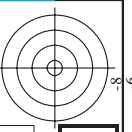
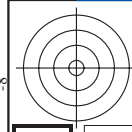
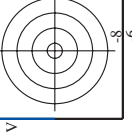
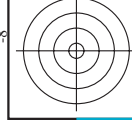
http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 10/22

Table with 16 columns: n, HHC*File, rgb*File, icr*File, hsa*File, rgb*File, LabCM*File, cmyk*sep*File, cmyp*File, LabCM*File, hsa*File, rgb*File, LabCM*File, delta. Rows 81-161.

PN190-7N; 1022-F

TUB-test chart PN19; colour rendering colors and differences, ΔE*, 3D=L, de=L, cmyk*

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de



http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 11/22

Table with 24 columns: n, HHC*File, rgb*File, iet*File, hsa*File, rgb*File, LabCM*File, cmyk*sep*File, delta, Hsa*File, rgb*File, LabCM*File, delta, Hsa*File, rgb*File, LabCM*File, delta, Hsa*File, rgb*File, LabCM*File, delta. Rows 162-242.

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 12/22

Table with 32 columns: n, HHC*File, rgb*File, icr*File, hsa*File, rgb*File, LabCM*File, LabCM*File, cmyk*sep, cmyk*sep, LabCM*File, Hsa*File, rgb*File, LabCM*File, LabCM*File, delta. Rows 243-523.

input: rgb/cmyk -> rgbde output: 3D-linearization to cmyk*de

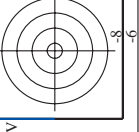
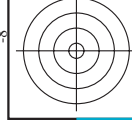
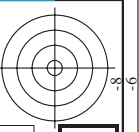
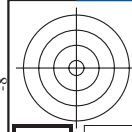
Table with 40 columns: n, HHC*File, rpb*File, icr*File, rpb*Rate, hsa*Rate, rpb*File, LabCM*File, cmyk*sep*Rate, rpb*File, hsa*File, rpb*File, LabCM*File, delta. Rows 324-404.

input: rgb/cmyk -> rgbd output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering colors and differences, ΔE*3, 3D=L, de=L, cmyk*

PN190-TN; 1322-F

5-113120-F0



http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 15/22

Table with 20 columns: n, HHC*File, rpb_Rate, icr_File, Hsa_Rate, rpb*File, LabCM*File, cmyk*_sep_Rate, rpb*File, Hsa*File, LabCM*File, delta. Rows include color names like R00Y, R35Y, R50Y, etc.

TUB-test chart PN19; colour rendering colors and differences, ΔE*3D=L, de=L, cmyk*

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 16/22

Table with 15 columns: n, HHC*File, rpb*File, icr*File, rgs*File, rgs*File, LabCM*File, cmyk*sep*File, rgs*File, rgs*File, rgs*File, LabCM*File, LabCM*File, LabCM*File, delta. Rows 567-647.

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19L30FP.DAT in file (F), page 17/22

Table with 15 columns: n, HHC*File, rpb*File, icr*File, rha*File, rpb*File, LabCM*File, LabCM*File, cmyk*sep, cmyk*sep, rha*File, rpb*File, LabCM*File, LabCM*File, delta. Rows include color names like R00Y, R00M, R00C, etc.

input: rgb/cmyk -> rgbde output: 3D-linearization to cmyk*de

http://130.149.60.45/~farbmetrik/PN19/PN19LOFP.PDF /.PS; 3D-linearization
F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 18/22

n	HC*File	rgb*File	Lab*File	LabCM*File	cmyn*sep*File	rgb*File	Lab*File	rgb*File	LabCM*File	delta
729	NW_100.00e	0.875	1.0	1.0	0.0	0.0	360	1.0	95.8	0.0
730	GS0B_100.012de	0.875	1.0	0.973	90.7	-4.8	0.036	1.0	0.791	54.9
731	GS0B_100.025de	0.75	1.0	0.947	85.6	-7.2	0.087	1.0	0.791	54.9
732	GS0B_100.037de	0.625	1.0	0.921	80.5	-14.5	0.125	1.0	0.791	54.9
733	GS0B_100.050de	0.5	1.0	0.895	75.4	-21.8	0.163	1.0	0.791	54.9
734	GS0B_100.062de	0.375	1.0	0.869	70.3	-29.1	0.201	1.0	0.791	54.9
735	GS0B_100.075de	0.25	1.0	0.843	65.1	-36.4	0.239	1.0	0.791	54.9
736	GS0B_100.087de	0.125	1.0	0.817	60.0	-43.7	0.277	1.0	0.791	54.9
737	GS0B_100.100de	0.0	1.0	0.791	54.9	-51.0	0.315	1.0	0.791	54.9
738	ROXY_100.012de	0.875	1.0	0.875	90.7	8.8	0.0	1.0	0.263	47.5
739	NW_087de	0.875	1.0	0.875	87.5	8.8	0.0	1.0	0.263	47.5
740	GS0B_087.012de	0.75	1.0	0.875	84.8	8.1	0.0	1.0	0.263	47.5
741	GS0B_087.025de	0.625	1.0	0.875	82.2	7.6	0.0	1.0	0.263	47.5
742	GS0B_087.037de	0.5	1.0	0.875	79.6	7.1	0.0	1.0	0.263	47.5
743	GS0B_087.050de	0.375	1.0	0.875	77.0	6.6	0.0	1.0	0.263	47.5
744	GS0B_087.062de	0.25	1.0	0.875	74.4	6.1	0.0	1.0	0.263	47.5
745	GS0B_087.075de	0.125	1.0	0.875	71.8	5.6	0.0	1.0	0.263	47.5
746	GS0B_087.087de	0.0	1.0	0.875	69.2	5.1	0.0	1.0	0.263	47.5
747	ROXY_100.025de	0.875	1.0	0.75	88.5	14.0	0.0	1.0	0.263	47.5
748	NW_075de	0.75	1.0	0.75	85.8	13.5	0.0	1.0	0.263	47.5
749	GS0B_075.012de	0.625	1.0	0.75	83.2	13.0	0.0	1.0	0.263	47.5
750	GS0B_075.025de	0.5	1.0	0.75	80.6	12.5	0.0	1.0	0.263	47.5
751	GS0B_075.037de	0.375	1.0	0.75	78.0	12.0	0.0	1.0	0.263	47.5
752	GS0B_075.050de	0.25	1.0	0.75	75.4	11.5	0.0	1.0	0.263	47.5
753	GS0B_075.062de	0.125	1.0	0.75	72.8	11.0	0.0	1.0	0.263	47.5
754	GS0B_075.075de	0.0	1.0	0.75	70.2	10.5	0.0	1.0	0.263	47.5
755	ROXY_100.037de	0.875	1.0	0.625	82.5	17.1	0.0	1.0	0.263	47.5
756	ROXY_087.037de	0.875	1.0	0.625	79.6	16.6	0.0	1.0	0.263	47.5
757	ROXY_087.050de	0.75	1.0	0.625	76.7	16.1	0.0	1.0	0.263	47.5
758	NW_062de	0.75	1.0	0.625	73.8	15.6	0.0	1.0	0.263	47.5
759	GS0B_062.012de	0.625	1.0	0.625	71.2	15.1	0.0	1.0	0.263	47.5
760	GS0B_062.025de	0.5	1.0	0.625	68.6	14.6	0.0	1.0	0.263	47.5
761	GS0B_062.037de	0.375	1.0	0.625	66.0	14.1	0.0	1.0	0.263	47.5
762	GS0B_062.050de	0.25	1.0	0.625	63.4	13.6	0.0	1.0	0.263	47.5
763	GS0B_062.062de	0.125	1.0	0.625	60.8	13.1	0.0	1.0	0.263	47.5
764	ROXY_100.062de	1.0	0.5	0.5	68.2	28.0	0.0	1.0	0.263	47.5
765	ROXY_100.050de	1.0	0.5	0.5	65.6	27.5	0.0	1.0	0.263	47.5
766	ROXY_087.050de	0.875	1.0	0.5	63.0	27.0	0.0	1.0	0.263	47.5
767	ROXY_075.025de	0.75	1.0	0.5	60.4	26.5	0.0	1.0	0.263	47.5
768	ROXY_062.012de	0.625	1.0	0.5	57.8	26.0	0.0	1.0	0.263	47.5
769	NW_050de	0.5	1.0	0.5	55.2	25.5	0.0	1.0	0.263	47.5
770	GS0B_050.012de	0.375	1.0	0.5	52.6	25.0	0.0	1.0	0.263	47.5
771	GS0B_050.025de	0.25	1.0	0.5	50.0	24.5	0.0	1.0	0.263	47.5
772	GS0B_050.037de	0.125	1.0	0.5	47.4	24.0	0.0	1.0	0.263	47.5
773	GS0B_050.050de	0.0	1.0	0.5	44.8	23.5	0.0	1.0	0.263	47.5
774	ROXY_100.062de	1.0	0.375	0.375	42.2	23.0	0.0	1.0	0.263	47.5
775	ROXY_087.050de	0.875	1.0	0.375	39.6	22.5	0.0	1.0	0.263	47.5
776	ROXY_075.037de	0.75	1.0	0.375	37.0	22.0	0.0	1.0	0.263	47.5
777	ROXY_062.025de	0.625	1.0	0.375	34.4	21.5	0.0	1.0	0.263	47.5
778	ROXY_050.012de	0.5	1.0	0.375	31.8	21.0	0.0	1.0	0.263	47.5
779	NW_037de	0.375	1.0	0.375	29.2	20.5	0.0	1.0	0.263	47.5
780	GS0B_037.012de	0.25	1.0	0.375	26.6	20.0	0.0	1.0	0.263	47.5
781	GS0B_037.025de	0.125	1.0	0.375	24.0	19.5	0.0	1.0	0.263	47.5
782	ROXY_100.075de	1.0	0.375	0.375	21.4	19.0	0.0	1.0	0.263	47.5
783	ROXY_100.062de	1.0	0.25	0.25	18.8	18.5	0.0	1.0	0.263	47.5
784	ROXY_087.050de	0.875	1.0	0.25	16.2	18.0	0.0	1.0	0.263	47.5
785	ROXY_075.037de	0.75	1.0	0.25	13.6	17.5	0.0	1.0	0.263	47.5
786	ROXY_062.025de	0.625	1.0	0.25	11.0	17.0	0.0	1.0	0.263	47.5
787	ROXY_050.012de	0.5	1.0	0.25	8.4	16.5	0.0	1.0	0.263	47.5
788	ROXY_037.012de	0.375	1.0	0.25	5.8	16.0	0.0	1.0	0.263	47.5
789	NW_025de	0.25	1.0	0.25	3.2	15.5	0.0	1.0	0.263	47.5
790	GS0B_025.012de	0.125	1.0	0.25	0.6	15.0	0.0	1.0	0.263	47.5
791	GS0B_025.025de	0.0	1.0	0.25	-2.0	14.5	0.0	1.0	0.263	47.5
792	ROXY_100.087de	1.0	0.125	0.125	-4.6	14.0	0.0	1.0	0.263	47.5
793	ROXY_087.075de	0.875	1.0	0.125	-7.0	13.5	0.0	1.0	0.263	47.5
794	ROXY_075.062de	0.75	1.0	0.125	-9.4	13.0	0.0	1.0	0.263	47.5
795	ROXY_062.050de	0.625	1.0	0.125	-11.8	12.5	0.0	1.0	0.263	47.5
796	ROXY_050.037de	0.5	1.0	0.125	-14.2	12.0	0.0	1.0	0.263	47.5
797	ROXY_037.025de	0.375	1.0	0.125	-16.6	11.5	0.0	1.0	0.263	47.5
798	NW_012de	0.25	1.0	0.125	-19.0	11.0	0.0	1.0	0.263	47.5
799	GS0B_012.012de	0.125	1.0	0.125	-21.4	10.5	0.0	1.0	0.263	47.5
800	GS0B_012.025de	0.0	1.0	0.125	-23.8	10.0	0.0	1.0	0.263	47.5
801	ROXY_100.100de	1.0	0.0	0.0	-26.2	9.5	0.0	1.0	0.263	47.5
802	ROXY_087.087de	0.875	1.0	0.0	-28.6	9.0	0.0	1.0	0.263	47.5
803	ROXY_075.075de	0.75	1.0	0.0	-31.0	8.5	0.0	1.0	0.263	47.5
804	ROXY_062.062de	0.625	1.0	0.0	-33.4	8.0	0.0	1.0	0.263	47.5
805	ROXY_050.050de	0.5	1.0	0.0	-35.8	7.5	0.0	1.0	0.263	47.5
806	ROXY_037.037de	0.375	1.0	0.0	-38.2	7.0	0.0	1.0	0.263	47.5
807	ROXY_025.025de	0.25	1.0	0.0	-40.6	6.5	0.0	1.0	0.263	47.5
808	ROXY_012.012de	0.125	1.0	0.0	-43.0	6.0	0.0	1.0	0.263	47.5
809	NW_000de	0.0	1.0	0.0	-45.4	5.5	0.0	1.0	0.263	47.5

input: rgb/cmyk -> rgbd
output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering
colors and differences, ΔE^* , 3D=L, de=L, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 19/22

Table with 10 columns: n, HHC*File, rpb*File, icr*File, hsa*File, rpb*File, LabCM*File, cmyk*sep*Rate, hsa*File, rpb*File, LabCM*File, delta. Rows 810-890.

input: rgb/cmyk -> rgbde output: 3D-linearization to cmyk*de TUB-test chart PN19; colour rendering colors and differences, ΔE*3, 3D=L, de=L, cmyk* PN190-TN; 1922-F 5-1131830-F0 5-1131830-F0

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 20/22

Table with 15 columns: n, HHC*File, rpb_Rate, icr_File, hsa_File, rpb*File, LabCM*File, cmyk*sep_Rate, cmyp*sep_Rate, delta, Hsa*File, rpb*File, LabCM*File, delta, LabCM*File. Rows include various file names like NV_1000e, B50R_100.012de, etc.

input: rgb/cmyk -> rgbdelta output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering colors and differences, AE* 3D=L, de=L, cmyk*

http://130.149.60.45/~farbmetrik/PN19/PN19L0FP.PDF /.PS; 3D-linearization F: 3D-linearization PN19/PN19LJ30FP.DAT in file (F), page 21/22

Table with 15 columns: n, HC*File, rpb*File, icr*File, Ihs*File, rpb*File, LabCM*File, cmyk*sep*File, Ihs*File, rpb*File, LabCM*File, delta, Ihs*File, rpb*File, LabCM*File. Rows include file names like NV_0000.de, NV_0120.de, etc.

input: rgb/cmyk -> rgbde output: 3D-linearization to cmyk*de

TUB-test chart PN19; colour rendering colors and differences, ΔE* 3D=L, de=L, cmyk*

