

Input and Output: Offset Reflective System ORS18a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 102/360 = 0.28$

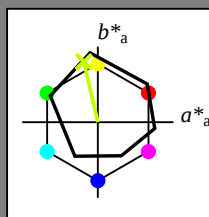
Data for any device (d) or elementary (e) colour:

HIC^*

hue text for the colours of this page:

$H^*_- = Y25G_-$

triangle lightness T^*



ORS18a; adapted (a) CIELAB data					
name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R-,Ma	47.9	65.3	50.5	82.6	37
Y-,Ma	90.3	-10.2	91.7	92.3	96
G-,Ma	50.9	-62.8	34.9	71.9	150
C-,Ma	58.6	-30.3	-45.0	54.2	236
B-,Ma	25.7	31.0	-44.4	54.2	305
M-,Ma	48.1	75.2	-8.3	75.7	353
N-,Ma	18.0	0.0	0.0	0.0	0
W-,Ma	95.4	0.0	0.0	0.0	0
R-,CIE	39.9	58.7	27.9	65.0	25
Y-,CIE	81.2	-2.8	71.5	71.6	92
G-,CIE	52.2	-42.4	13.6	44.5	162
B-,CIE	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{-,Ma}$: 83 -18 79 81 102

$HIC^*_{-,Ma}$: Y25G_100_100-

$rgbic^*_{-,Ma}$:

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

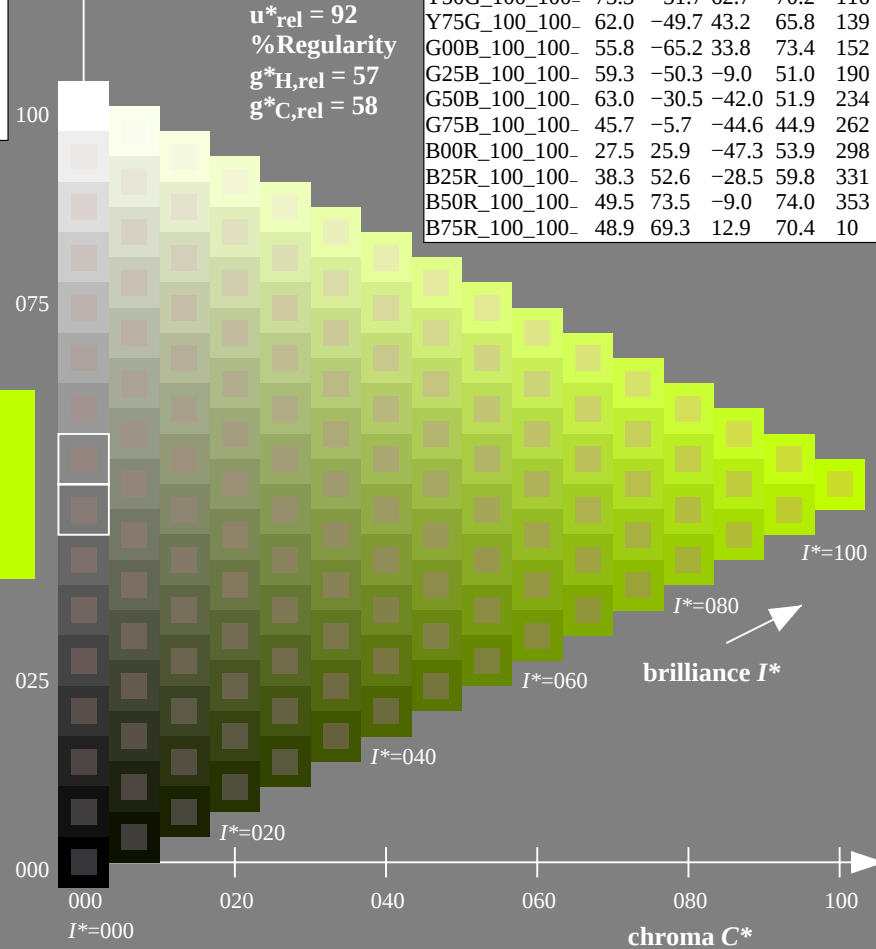
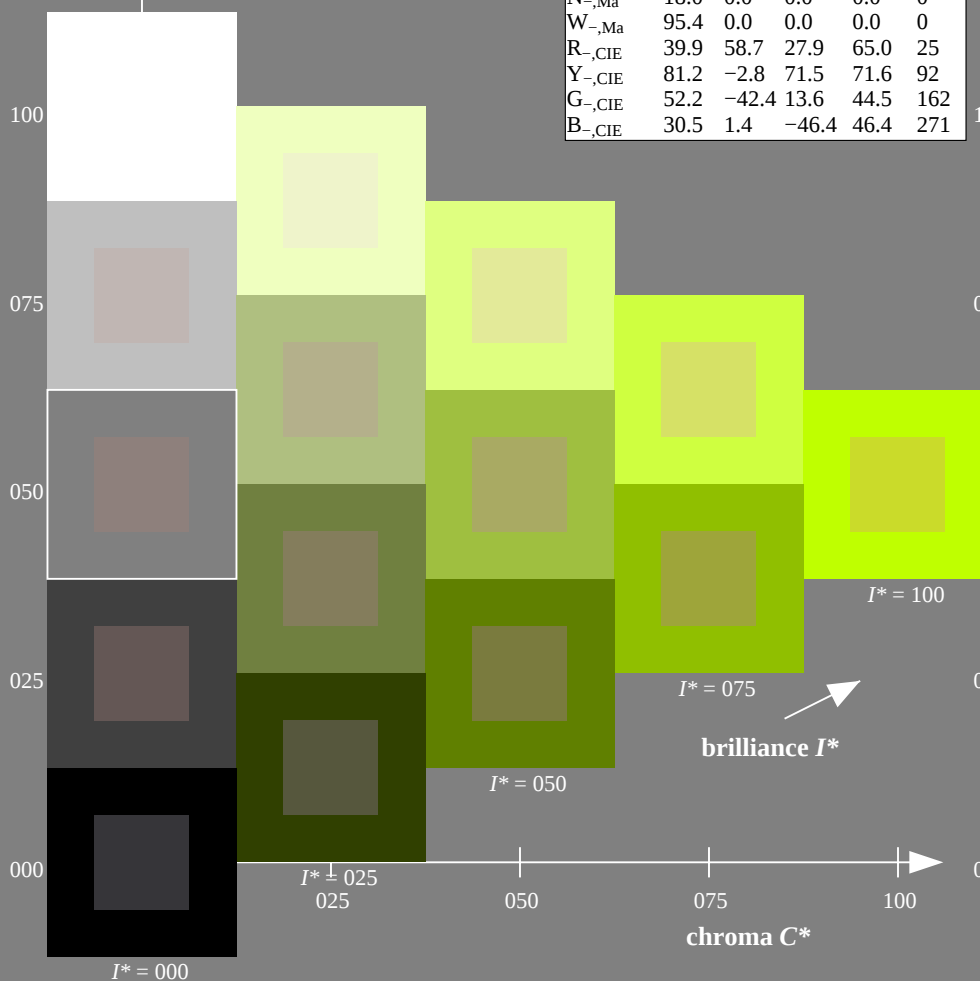
$u^*_{rel} = 92$

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data					
H^*_-	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100-	48.4	66.1	40.2	77.3	31
R25Y_100_100-	56.8	48.0	50.5	69.6	46
R50Y_100_100-	68.6	25.0	63.9	68.6	68
R75Y_100_100-	80.6	4.8	77.2	77.3	86
Y00G_100_100-	90.2	-9.6	88.2	88.7	96
Y25G_100_100-	83.2	-18.4	79.9	81.9	102
Y50G_100_100-	73.3	-31.7	62.7	70.2	116
Y75G_100_100-	62.0	-49.7	43.2	65.8	139
G00B_100_100-	55.8	-65.2	33.8	73.4	152
G25B_100_100-	59.3	-50.3	-9.0	51.0	190
G50B_100_100-	63.0	-30.5	-42.0	51.9	234
G75B_100_100-	45.7	-5.7	-44.6	44.9	262
B00R_100_100-	27.5	25.9	-47.3	53.9	298
B25R_100_100-	38.3	52.6	-28.5	59.8	331
B50R_100_100-	49.5	73.5	-9.0	74.0	353
B75R_100_100-	48.9	69.3	12.9	70.4	10



TUB-test chart QE41; hue code: $H^*_- = Y25G_-$
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

input: $rgb/cmyk \rightarrow rgb/cmyk$
output: no change

http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 2/29

Input and Output: Television Luminous System TLS00a for relative CIELAB hue $h_{ab,a,rel} = h_{ab}/360 = 116/360 = 0.32$

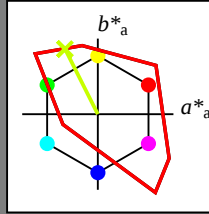
Data for any device (d) or elementary (e) colour:

HIC^*_d

hue text for the colours
of this page:

$H^*_d = Y25G_d$

triangle lightness T^*



TLS00a; adapted (a) CIELAB data

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{d,Ma}$	50.4	76.9	64.5	100.4	40
$Y_{d,Ma}$	92.6	-20.7	90.7	93.0	102
$G_{d,Ma}$	83.6	-82.7	79.8	115.0	136
$C_{d,Ma}$	86.8	-46.1	-13.5	48.1	196
$B_{d,Ma}$	30.3	76.0	-103.5	128.5	306
$M_{d,Ma}$	57.2	94.3	-58.4	110.9	328
$N_{d,Ma}$	0.0	0.0	0.0	0.0	0
$W_{d,Ma}$	95.4	0.0	0.0	0.0	0
$R_{d,CIE}$	39.9	58.7	27.9	65.0	25
$Y_{d,CIE}$	81.2	-2.8	71.5	71.6	92
$G_{d,CIE}$	52.2	-42.4	13.6	44.5	162
$B_{d,CIE}$	30.5	1.4	-46.4	46.4	271

Data for maximum colour (Ma):

$LabCh^*_{d,Ma}$: 88 -43 86 96 116

$HIC^*_{d,Ma}$: Y25G_100_100d

$rgbic^*_{d,Ma}$:

0.76 1.0 0.0 1.0 1.0

triangle lightness T^*

% Gamut

$u^*_{rel} = 158$

% Regularity

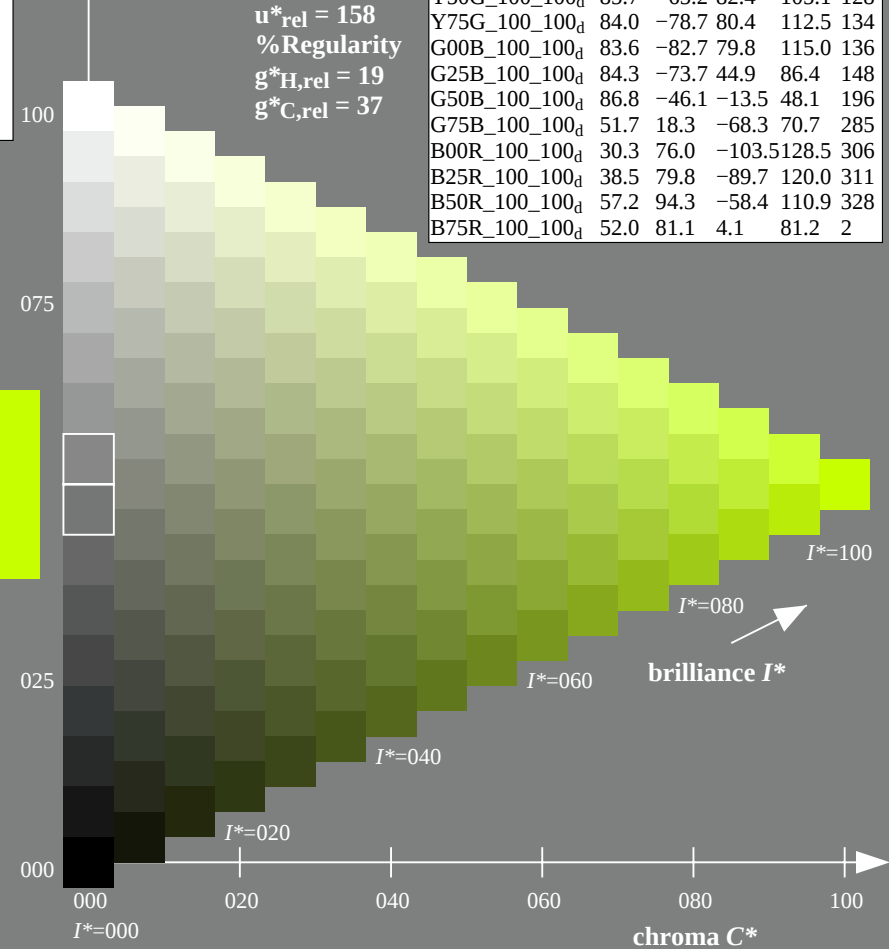
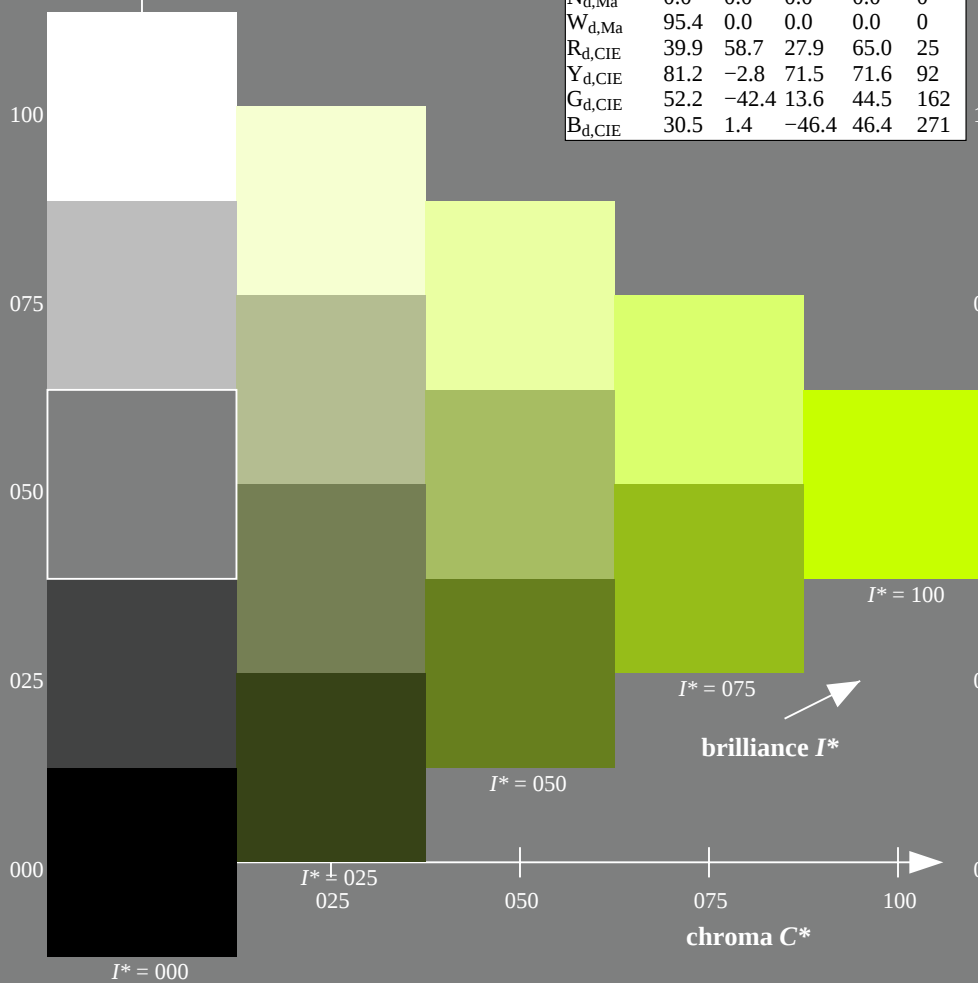
$g^*_{H,rel} = 19$

$g^*_{C,rel} = 37$

$H^*_d = Y25G_d$

TLS00a; adapted (a) CIELAB data

H^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
$R00Y_100_100_d$	50.4	76.9	64.5	100.4	40
$R25Y_100_100_d$	53.7	67.6	65.8	94.4	44
$R50Y_100_100_d$	63.6	41.3	71.0	82.2	59
$R75Y_100_100_d$	78.2	7.8	80.6	81.0	84
$Y00G_100_100_d$	92.6	-20.7	90.7	93.0	102
$Y25G_100_100_d$	88.7	-43.3	86.2	96.5	116
$Y50G_100_100_d$	85.7	-65.2	82.4	105.1	128
$Y75G_100_100_d$	84.0	-78.7	80.4	112.5	134
$G00B_100_100_d$	83.6	-82.7	79.8	115.0	136
$G25B_100_100_d$	84.3	-73.7	44.9	86.4	148
$G50B_100_100_d$	86.8	-46.1	-13.5	48.1	196
$G75B_100_100_d$	51.7	18.3	-68.3	70.7	285
$B00R_100_100_d$	30.3	76.0	-103.5	128.5	306
$B25R_100_100_d$	38.5	79.8	-89.7	120.0	311
$B50R_100_100_d$	57.2	94.3	-58.4	110.9	328
$B75R_100_100_d$	52.0	81.1	4.1	81.2	2



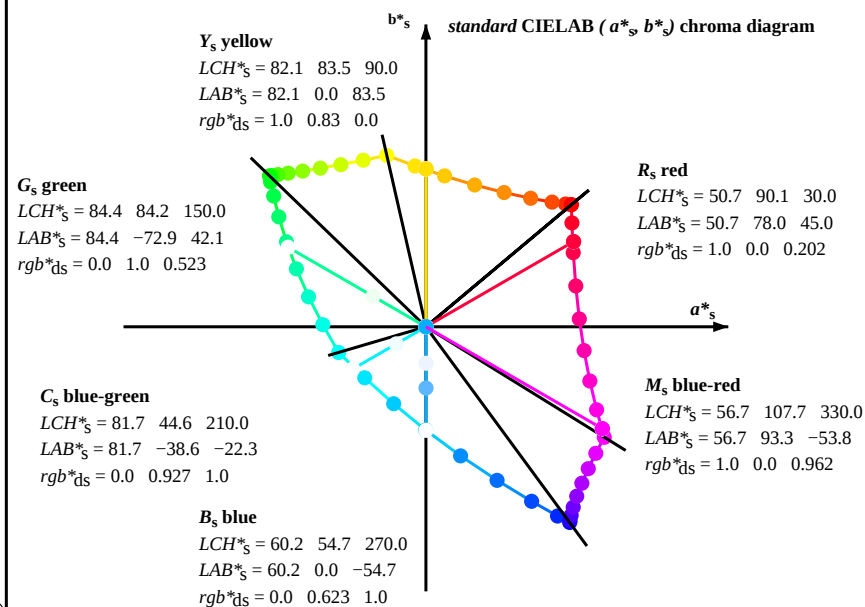
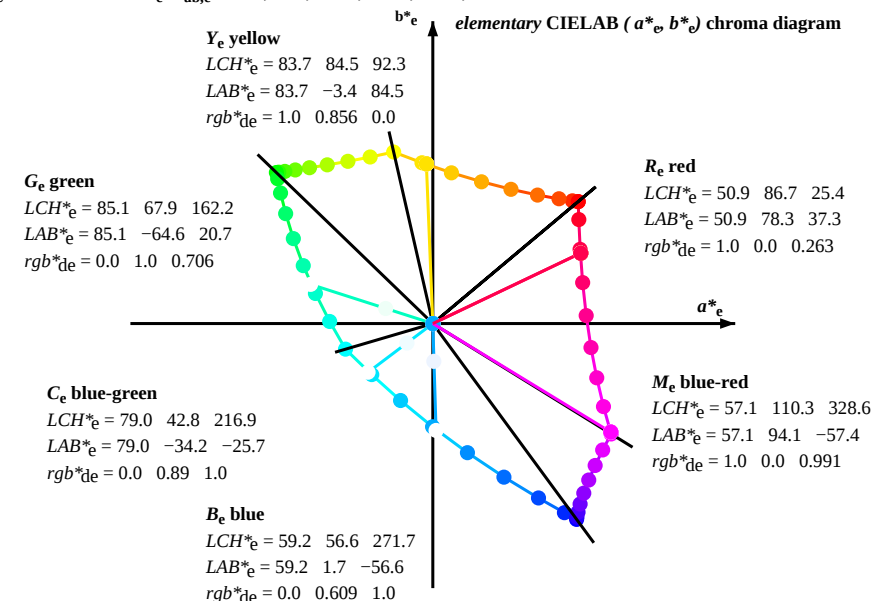
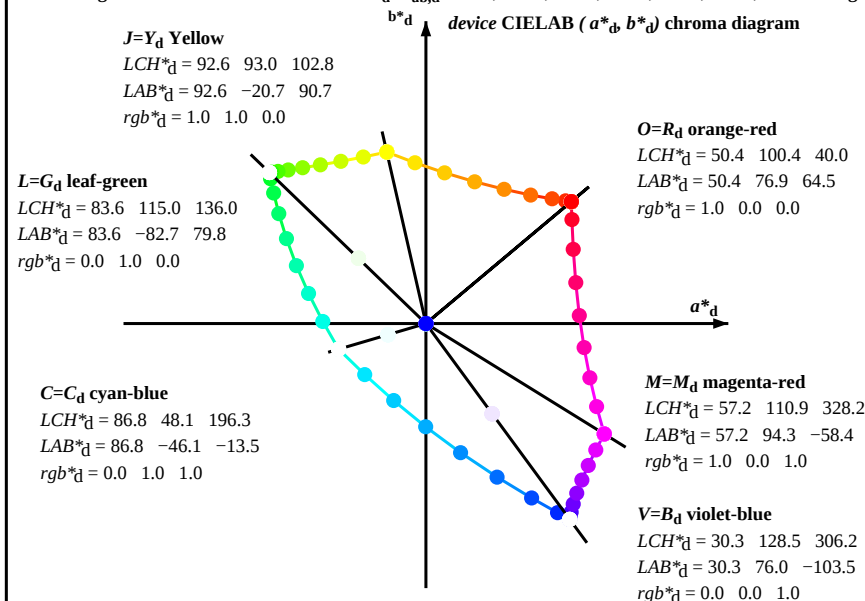
TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
Test chart according to DIN 33872, 3D=1, de=0, sRGB*

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

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



Notes to the CIELAB chroma diagrams (a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)

- For the rgb^*_e -input values the CIELAB data LCH^*_e and LAB^*_e have been calculated.
- For the calculation of the standard hue angle $h_{ab,s}$ use for any device values rgb^*_e the equation:

$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$
- For the 48 or 360 equally spaced standard hue angles $h_{ab,s}$ of the colours of maximum chroma use the seven hue angles of the 60 degree colours s : $h_{ab,si} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0$ ($i=0,6$) and the equations for a 48 and 360 step hue circle:

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$
- For the 48 or 360 elementary hue angles $h_{ab,e}$ of the colours of maximum chroma use the seven hue angles of the elementary colours e : $h_{ab,ei} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5$ ($i=0,6$) and the equations for a 48 and 360 step elementary hue circle:

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \quad (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$
- For any elementary hue angle $h_{ab,e}$ there is a well defined device hue angle $h_{ab,d}$ see the following tables, columns 1 to 5 or 1 to 4.
- The values rgb^*_e produce the output of the device-independent elementary hues

1-103230-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 3/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ -tables

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

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}			$LAB^*_{ddx64M} (x=LabCh)$					$rgb^*_{ddx361M}$					$LAB^*_{ddx361M} (x=LabCh)$					$rgb^*_{dsx361M}$					$LAB^*_{dsx361M} (x=LabCh)$					$rgb^*_{dex361M}$					$LAB^*_{dex361M}$				
40.0	30.0	25.4	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40.0	1.0	0.0	0.0	50.5	76.9	64.6	100.4	40	1.0	0.0	0.203	50.8	78.0	45.1	90.1	30	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25						
41.3	37.5	33.8	1.0	0.125	0.0	51.5	73.9	64.9	98.3	41.3	1.0	0.117	0.0	51.5	74.1	64.9	98.5	41	1.0	0.0	0.082	50.6	77.2	58.2	96.7	37	1.0	0.0	0.156	50.7	77.7	51.0	92.9	33						
44.6	45.0	42.1	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44.6	1.0	0.25	0.0	54.1	66.7	66.0	93.8	44	1.0	0.256	0.0	54.3	66.1	66.1	93.5	45	1.0	0.157	0.0	52.2	72.0	65.3	97.2	42						
50.7	52.5	50.5	1.0	0.375	0.0	58.2	55.4	67.9	87.7	50.7	1.0	0.367	0.0	57.9	56.2	67.9	88.2	50	1.0	0.392	0.0	58.9	53.6	68.6	87.0	52	1.0	0.358	0.0	57.7	56.9	67.8	88.6	49						
59.7	60.0	58.8	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59.7	1.0	0.5	0.0	63.7	41.4	71.0	82.2	59	1.0	0.502	0.0	63.8	41.1	71.2	82.2	60	1.0	0.488	0.0	63.1	42.8	70.9	82.8	58						
71.0	67.5	67.2	1.0	0.625	0.0	70.1	25.7	75.0	79.3	71.0	1.0	0.617	0.0	69.7	26.8	74.9	79.6	70	1.0	0.58	0.0	67.8	31.4	74.0	80.4	67	1.0	0.577	0.0	67.6	31.8	73.9	80.5	66						
82.9	75.0	75.6	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82.9	1.0	0.75	0.0	77.2	9.8	79.8	80.4	82	1.0	0.667	0.0	72.5	20.6	77.0	79.7	75	1.0	0.673	0.0	72.8	19.8	77.3	79.8	75						
93.8	82.5	83.9	1.0	0.875	0.0	84.8	-5.7	85.0	85.2	93.8	1.0	0.867	0.0	84.3	-4.6	84.8	85.0	93	1.0	0.74	0.0	76.7	11.2	79.5	80.3	82	1.0	0.755	0.0	77.5	9.3	80.1	80.6	83						
102.8	90.0	92.3	1.0	1.0	0.0	92.6	-20.7	90.7	93.0	102.8	1.0	1.0	0.0	92.7	-20.6	90.8	93.1	102	1.0	0.831	0.0	82.1	0.0	83.5	83.5	90	1.0	0.857	0.0	83.7	-3.3	84.5	84.6	92						
110.5	97.5	101.0	0.875	1.0	0.0	90.4	-33.1	88.1	94.1	110.5	0.883	1.0	0.0	90.6	-32.2	88.4	94.1	110	1.0	0.918	0.0	87.5	-10.6	87.3	88.0	97	1.0	0.967	0.0	90.6	-16.4	89.5	91.0	100						
117.6	105.0	109.7	0.75	1.0	0.0	88.5	-44.9	85.8	96.8	117.6	0.75	1.0	0.0	88.5	-44.8	85.8	96.9	117	0.965	1.0	0.0	92.0	-24.1	90.2	93.4	105	0.888	1.0	0.0	90.7	-31.7	88.5	94.0	109						
123.6	112.5	118.5	0.625	1.0	0.0	86.9	-55.8	83.9	100.7	123.6	0.633	1.0	0.0	87.1	-55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	-35.4	87.8	94.7	112	0.743	1.0	0.0	88.5	-45.4	85.8	97.1	117						
128.3	120.0	127.2	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128.3	0.5	1.0	0.0	85.7	-65.1	82.4	105.1	128	0.7	1.0	0.0	87.9	-49.1	85.3	98.4	120	0.529	1.0	0.0	86.0	-62.9	82.9	104.1	127						
131.8	127.5	136.0	0.375	1.0	0.0	84.7	-72.8	81.2	109.1	131.8	0.383	1.0	0.0	84.8	-72.2	81.4	108.9	131	0.536	1.0	0.0	86.1	-62.4	83.0	103.9	127	0.132	1.0	0.0	83.8	-81.2	80.1	114.1	135						
134.1	135.0	144.7	0.25	1.0	0.0	84.1	-78.2	80.5	112.2	134.1	0.25	1.0	0.0	84.1	-78.2	80.5	112.3	134	0.173	1.0	0.0	83.9	-80.2	80.3	113.5	135	0.0	1.0	0.41	84.1	-76.8	54.3	94.1	144						
135.5	142.5	153.4	0.125	1.0	0.0	83.7	-81.4	80.0	114.2	135.5	0.133	1.0	0.0	83.8	-81.2	80.1	114.1	135	0.0	1.0	0.335	83.9	-78.7	61.6	100.0	142	0.0	1.0	0.573	84.6	-70.9	36.3	79.8	152						
136.0	150.0	162.2	0.0	1.0	0.0	83.6	-82.7	79.8	115.0	136.0	0.0	1.0	0.0	83.6	-82.7	79.9	115.0	136	0.0	1.0	0.523	84.4	-72.9	42.1	84.3	150	0.0	1.0	0.706	85.2	-64.6	20.7	67.9	162						
137.0	157.5	169.0	0.0	1.0	0.125	83.6	-82.1	76.6	112.3	137.0	0.0	1.0	0.117	83.7	-82.1	76.8	112.5	136	0.0	1.0	0.639	84.9	-67.8	28.8	73.8	157	0.0	1.0	0.778	85.5	-60.6	12.2	61.9	168						
139.3	165.0	175.9	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139.3	0.0	1.0	0.25	83.8	-80.5	69.1	106.2	139	0.0	1.0	0.742	85.3	-62.5	16.8	64.8	165	0.0	1.0	0.847	85.9	-56.4	4.0	56.7	175						
143.2	172.5	182.7	0.0	1.0	0.375	84.0	-77.8	58.1	97.1	143.2	0.0	1.0	0.367	84.0	-77.9	58.9	97.7	142	0.0	1.0	0.81	85.7	-58.8	8.3	59.5	172	0.0	1.0	0.9	86.2	-53.2	-2.0	53.3	182						
148.6	180.0	189.6	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148.6	0.0	1.0	0.5	84.3	-73.7	45.0	86.4	148	0.0	1.0	0.883	86.1	-54.1	0.0	54.2	180	0.0	1.0	0.952	86.6	-49.8	-8.3	50.6	189						
155.8	187.5	196.4	0.0	1.0	0.625	84.7	-68.5	30.6	75.0	155.8	0.0	1.0	0.617	84.8	-68.8	31.5	75.8	155	0.0	1.0	0.933	86.4	-51.1	-6.2	51.6	187	0.0	1.0	0.997	86.9	-46.3	-13.2	48.3	195						
165.6	195.0	203.2	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165.6	0.0	1.0	0.75	85.4	-62.0	15.9	64.1	165	0.0	1.0	0.99	86.8	-46.9	-12.5	48.6	195	0.0	0.963	1.0	84.3	-42.5	-18.2	46.4	203						
178.8	202.5	210.1	0.0	1.0	0.875	86.0	-54.5	1.0	54.5	178.8	0.0	1.0	0.867	86.0	-55.1	2.0	55.2	177	0.0	0.97	1.0	84.7	-43.2	-17.4	46.7	202	0.0	0.929	1.0	81.8	-38.8	-22.1	44.7	209						
196.3	210.0	216.9	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196.3	0.0	1.0	1.0	86.9	-46.1	-13.5	48.1	196	0.0	0.927	1.0	81.7	-38.6	-22.2	44.7	210	0.0	0.89	1.0	79.1	-34.2	-25.7	42.9	216						
219.8	217.5	223.8	0.0	0.875	1.0	77.9	-32.3	-27.0	42.1	219.8	0.0	0.883	1.0	78.6	-33.3	-26.3	42.6	218	0.0	0.89	1.0	79.1	-34.1	-25.7	42.9	217	0.0	0.859	1.0	76.9	-30.7	-29.0	42.4	223						
247.2	225.0	230.6	0.0	0.75	1.0	69.1	-17.0	-40.7	44.1	247.2	0.0	0.75	1.0	69.1	-17.0	-40.6	44.2	247	0.0	0.851	1.0	76.3	-30.0	-30.0	42.5	225	0.0	0.826	1.0	74.5	-27.1	-33.1	43.0	230						
269.8	232.5	237.5	0.0	0.625	1.0	60.3	-0.1	-54.6	54.6	269.8	0.0	0.633	1.0	60.9	-1.5	-53.8	53.9	268	0.0	0.82	1.0	74.1	-26.4	-33.8	43.1	232	0.0	0.797	1.0	72.4	-23.5	-36.3	43.4	237						
285.0	240.0	244.3	0.0	0.5	1.0	51.7	18.3	-68.3	70.7	285.0	0.0	0.5	1.0	51.8	18.3	-68.2	70.7	285	0.0	0.783	1.0	71.5	-21.7	-37.7	43.6	240	0.0	0.763	1.0	70.1	-18.9	-39.5	44.0	244						
294.8	247.5	251.2	0.0	0.375	1.0	43.8	37.6	-81.2	89.5	294.8	0.0	0.383	1.0	44.4	36.2	-80.4	88.3	294	0.0	0.751	1.0	69.2	-17.2	-40.6	44.2	247	0.0	0.731	1.0	67.8	-15.0	-43.1	45.8	250						
301.1	255.0	258.0	0.0	0.25	1.0	37.1	55.9	-92.3	107.9	301.1	0.0	0.25	1.0	37.2	55.9	-92.2	107.9	301	0.0	0.707	1.0	66.1	-12.3	-46.0	47.8	255	0.0	0.69	1.0	64.9	-10.1	-48.0	49.2	258						
304.8	262.5	264.8	0.0	0.125	1.0	32.4	69.5	-100.0	121.8	304.8	0.0	0.133	1.0	32.8	68.6	-99.5	121.0	304	0.0	0.668	1.0	63.4	-7.0	-50.4	51.0	262	0.0	0.655	1.0	62.4	-5.0	-51.8	52.1	264						
306.2	270.0	271.7	0.0	0.0	1.0	30.3	76.0	-103.5	128.5	306.2	0.0	0.0	1.0	30.4	76.1	-103.5	128.5	306	0.0	0.624	1.0	60.2	0.0	-54.7	54.8	270	0.0</													

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h _{ab,d}	h _{ab,s}	h _{ab,e}	rgb* dd64M	LAB* ddx64M (x=LabCh)	rgb* dex361M	LAB* dex361M	rgb* dd	rgb* ds	rgb* de
40.0	30.0	25.4	1.0 0.0 0.0	50.4 76.9 64.5 100.4 40.0	1.0 0.0 0.263 50.9 78.3 37.3 86.7 25	1.0 0.0 0.263 50.9 78.3 37.3 86.7 25			
41.3	37.5	33.8	1.0 0.125 0.0	51.5 73.9 64.9 98.3 41.3	1.0 0.0 0.156 50.7 77.7 51.0 92.9 33	1.0 0.0 0.156 50.7 77.7 51.0 92.9 33			
44.6	45.0	42.1	1.0 0.25 0.0	54.0 66.7 65.9 93.8 44.6	1.0 0.0 0.157 0.0 52.2 72.0 65.3 97.2 42	1.0 0.0 0.157 0.0 52.2 72.0 65.3 97.2 42			
50.7	52.5	50.5	1.0 0.375 0.0	58.2 55.4 67.9 87.7 50.7	1.0 0.358 0.0 57.7 56.9 67.8 88.6 49	1.0 0.358 0.0 57.7 56.9 67.8 88.6 49			
59.7	60.0	58.8	1.0 0.5 0.0	63.6 41.3 71.0 82.2 59.7	1.0 0.488 0.0 63.1 42.8 70.9 82.8 58	1.0 0.488 0.0 63.1 42.8 70.9 82.8 58			
71.0	67.5	67.2	1.0 0.625 0.0	70.1 25.7 75.0 79.3 71.0	1.0 0.577 0.0 67.6 31.8 73.9 80.5 66	1.0 0.577 0.0 67.6 31.8 73.9 80.5 66			
82.9	75.0	75.6	1.0 0.75 0.0	77.2 9.8 79.7 80.4 82.9	1.0 0.673 0.0 72.8 19.8 77.3 79.8 75	1.0 0.673 0.0 72.8 19.8 77.3 79.8 75			
93.8	82.5	83.9	1.0 0.875 0.0	84.8 -5.7 85.0 85.2 93.8	1.0 0.755 0.0 77.5 9.3 80.1 80.6 83	1.0 0.755 0.0 77.5 9.3 80.1 80.6 83			
102.8	90.0	92.3	1.0 1.0 0.0	92.6 -20.7 90.7 93.0 102.8	1.0 0.857 0.0 83.7 -3.3 84.5 84.6 92	1.0 0.857 0.0 83.7 -3.3 84.5 84.6 92			
110.5	97.5	101.0	0.875 1.0 0.0	90.4 -33.1 88.1 94.1 110.5	1.0 0.967 0.0 90.6 -16.4 89.5 91.0 100	1.0 0.967 0.0 90.6 -16.4 89.5 91.0 100			
117.6	105.0	109.7	0.75 1.0 0.0	88.5 -44.9 85.8 96.8 117.6	0.888 1.0 0.0 90.7 -31.7 88.5 94.0 109	0.888 1.0 0.0 90.7 -31.7 88.5 94.0 109			
123.6	112.5	118.5	0.625 1.0 0.0	86.9 -55.8 83.9 100.7 123.6	0.743 1.0 0.0 88.5 -45.4 85.8 97.1 117	0.743 1.0 0.0 88.5 -45.4 85.8 97.1 117			
128.3	120.0	127.2	0.5 1.0 0.0	85.7 -65.2 82.4 105.1 128.3	0.529 1.0 0.0 86.0 -62.9 82.9 104.1 127	0.529 1.0 0.0 86.0 -62.9 82.9 104.1 127			
131.8	127.5	136.0	0.375 1.0 0.0	84.7 -72.8 81.2 109.1 131.8	0.132 1.0 0.0 83.8 -81.2 80.1 114.1 135	0.132 1.0 0.0 83.8 -81.2 80.1 114.1 135			
134.1	135.0	144.7	0.25 1.0 0.0	84.1 -78.2 80.5 112.2 134.1	0.0 1.0 0.41 84.1 -76.8 54.3 94.1 144	0.0 1.0 0.41 84.1 -76.8 54.3 94.1 144			
135.5	142.5	153.4	0.125 1.0 0.0	83.7 -81.4 80.0 114.2 135.5	0.0 1.0 0.573 84.6 -70.9 36.3 79.8 152	0.0 1.0 0.573 84.6 -70.9 36.3 79.8 152			
136.0	150.0	162.2	0.0 1.0 0.0	83.6 -82.7 79.8 115.0 136.0	0.0 1.0 0.706 85.2 -64.6 20.7 67.9 162	0.0 1.0 0.706 85.2 -64.6 20.7 67.9 162			
137.0	157.5	169.0	0.0 1.0 0.125 83.6	-82.1 76.6 112.3 137.0	0.0 1.0 0.778 85.5 -60.6 12.2 61.9 168	0.0 1.0 0.778 85.5 -60.6 12.2 61.9 168			
139.3	165.0	175.9	0.0 1.0 0.25 83.8	-80.5 69.1 106.1 139.3	0.0 1.0 0.847 85.9 -56.4 4.0 56.7 175	0.0 1.0 0.847 85.9 -56.4 4.0 56.7 175			
143.2	172.5	182.7	0.0 1.0 0.375 84.0	-77.8 58.1 97.1 143.2	0.0 1.0 0.9 86.2 -53.2 -2.0 53.3 182	0.0 1.0 0.9 86.2 -53.2 -2.0 53.3 182			
148.6	180.0	189.6	0.0 1.0 0.5 84.3	-73.7 44.9 86.4 148.6	0.0 1.0 0.952 86.6 -49.8 -8.3 50.6 189	0.0 1.0 0.952 86.6 -49.8 -8.3 50.6 189			
155.8	187.5	196.4	0.0 1.0 0.625 84.7	-68.5 30.6 75.0 155.8	0.0 1.0 0.997 86.9 -46.3 -13.2 48.3 195	0.0 1.0 0.997 86.9 -46.3 -13.2 48.3 195			
165.6	195.0	203.2	0.0 1.0 0.75 85.3	-62.0 15.9 64.0 165.6	0.0 0.963 1.0 84.3 -42.5 -18.2 46.4 203	0.0 0.963 1.0 84.3 -42.5 -18.2 46.4 203			
178.8	202.5	210.1	0.0 1.0 0.875 86.0	-54.5 1.0 54.5 178.8	0.0 0.929 1.0 81.8 -38.8 -22.1 44.7 209	0.0 0.929 1.0 81.8 -38.8 -22.1 44.7 209			
196.3	210.0	216.9	0.0 1.0 1.0 86.8	-46.1 -13.5 48.1 196.3	0.0 0.89 1.0 79.1 -34.2 -25.7 42.9 216	0.0 0.89 1.0 79.1 -34.2 -25.7 42.9 216			
219.8	217.5	223.8	0.0 0.875 1.0 77.9	-32.3 -27.0 42.1 219.8	0.0 0.859 1.0 76.9 -30.7 -29.0 42.4 223	0.0 0.859 1.0 76.9 -30.7 -29.0 42.4 223			
247.2	225.0	230.6	0.0 0.75 1.0 69.1	-17.0 -40.7 44.1 247.2	0.0 0.826 1.0 74.5 -27.1 -33.1 43.0 230	0.0 0.826 1.0 74.5 -27.1 -33.1 43.0 230			
269.8	232.5	237.5	0.0 0.625 1.0 60.3	-0.1 -54.6 54.6 269.8	0.0 0.797 1.0 72.4 -23.5 -36.3 43.4 237	0.0 0.797 1.0 72.4 -23.5 -36.3 43.4 237			
285.0	240.0	244.3	0.0 0.5 1.0 51.7	18.3 -68.3 70.7 285.0	0.0 0.763 1.0 70.1 -18.9 -39.5 44.0 244	0.0 0.763 1.0 70.1 -18.9 -39.5 44.0 244			
294.8	247.5	251.2	0.0 0.375 1.0 43.8	37.6 -81.2 89.5 294.8	0.0 0.731 1.0 67.8 -15.0 -43.1 45.8 250	0.0 0.731 1.0 67.8 -15.0 -43.1 45.8 250			
301.1	255.0	258.0	0.0 0.25 1.0 37.1	55.9 -92.3 107.9 301.1	0.0 0.69 1.0 64.9 -10.1 -48.0 49.2 258	0.0 0.69 1.0 64.9 -10.1 -48.0 49.2 258			
304.8	262.5	264.8	0.0 0.125 1.0 32.4	69.5 -100.0 121.8 304.8	0.0 0.655 1.0 62.4 -5.0 -51.8 52.1 264	0.0 0.655 1.0 62.4 -5.0 -51.8 52.1 264			
306.2	270.0	271.7	0.0 0.0 1.0 30.3	76.0 -103.5 128.5 306.2	0.0 0.609 1.0 59.3 1.7 -56.5 56.6 271	0.0 0.609 1.0 59.3 1.7 -56.5 56.6 271			
306.6	277.5	278.8	0.125 0.0 1.0 31.0	76.2 -102.4 127.7 306.6	0.0 0.555 1.0 55.5 9.3 -62.9 63.7 278	0.0 0.555 1.0 55.5 9.3 -62.9 63.7 278			
307.5	285.0	285.9	0.25 0.0 1.0 32.6	76.8 -99.8 125.9 307.5	0.0 0.488 1.0 51.0 19.9 -69.6 72.5 285	0.0 0.488 1.0 51.0 19.9 -69.6 72.5 285			
309.2	292.5	293.0	0.375 0.0 1.0 35.1	77.9 -95.5 123.3 309.2	0.0 0.404 1.0 45.7 32.7 -78.5 85.2 292	0.0 0.404 1.0 45.7 32.7 -78.5 85.2 292			
311.6	300.0	300.1	0.5 0.0 1.0 38.5	79.8 -89.7 120.0 311.6	0.0 0.27 1.0 38.2 52.8 -90.6 105.0 300	0.0 0.27 1.0 38.2 52.8 -90.6 105.0 300			
314.8	307.5	307.2	0.625 0.0 1.0 42.7	82.5 -82.7 116.8 314.8	0.0 0.146 0.0 1.0 31.3 76.4 -102.0 127.5 306	0.0 0.146 0.0 1.0 31.3 76.4 -102.0 127.5 306			
318.8	315.0	314.3	0.75 0.0 1.0 47.2	85.8 -75.1 114.0 318.8	0.0 0.605 0.0 1.0 42.1 82.1 -83.8 117.4 314	0.0 0.605 0.0 1.0 42.1 82.1 -83.8 117.4 314			
323.3	322.5	321.4	0.875 0.0 1.0 52.1	89.8 -66.9 112.0 323.3	0.0 0.811 0.0 1.0 49.7 87.9 -71.0 113.1 321	0.0 0.811 0.0 1.0 49.7 87.9 -71.0 113.1 321			
328.2	330.0	328.6	1.0 0.0 1.0 57.2	94.3 -58.4 110.9 328.2	0.0 0.992 57.2 94.2 -57.4 110.3 328	0.0 0.992 57.2 94.2 -57.4 110.3 328			
334.0	337.5	335.7	1.0 0.0 0.875 55.6	90.3 -43.9 100.4 334.0	0.0 0.856 55.4 89.9 -41.4 99.0 335	0.0 0.856 55.4 89.9 -41.4 99.0 335			
341.6	345.0	342.8	1.0 0.0 0.75 54.2	86.7 -28.6 91.3 341.6	0.0 0.735 54.1 86.5 -26.6 90.6 342	0.0 0.735 54.1 86.5 -26.6 90.6 342			
351.4	352.5	349.9	1.0 0.0 0.625 53.0	83.6 -12.6 84.6 351.4	0.0 0.65 53.3 84.5 -15.6 86.0 349	0.0 0.65 53.3 84.5 -15.6 86.0 349			
362.9	360.0	357.0	1.0 0.0 0.5 52.0	81.1 4.1 81.2 362.9	0.0 0.618 53.0 83.6 -11.6 84.4 352	0.0 0.618 53.0 83.6 -11.6 84.4 352			
375.2	367.5	364.1	1.0 0.0 0.375 51.3	79.2 21.6 82.1 375.2	0.0 0.533 52.3 82.2 -0.1 82.2 359	0.0 0.533 52.3 82.2 -0.1 82.2 359			
386.7	375.0	371.2	1.0 0.0 0.25 50.8	77.9 39.2 87.2 386.7	0.0 0.441 51.7 80.7 12.5 81.7 368	0.0 0.441 51.7 80.7 12.5 81.7 368			
395.4	382.5	378.3	1.0 0.0 0.125 50.6	77.2 54.9 94.8 395.4	0.0 0.361 51.3 79.3 23.6 82.8 376	0.0 0.361 51.3 79.3 23.6 82.8 376			
400.0	390.0	385.4	1.0 0.0 0.0 50.4	76.9 64.5 100.4 400.0	0.0 0.263 50.9 78.3 37.3 86.7 385	0.0 0.263 50.9 78.3 37.3 86.7 385			

1-103430-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 5/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi}(x=LabCh)$	R_d	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi}(x=LabCh)$	R_s	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	R_e	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
40	30	25	1.0	0.0	0.0	50.4	76.9	64.5	100.4	40	1.0	0.0	0.0	0.0	0.0
40	31	26	1.0	0.016	0.0	50.6	76.5	64.6	100.1	40	1.0	0.0	0.017	0.0	0.0
40	32	27	1.0	0.033	0.0	50.7	76.1	64.6	99.8	40	1.0	0.0	0.033	0.0	0.0
40	33	28	1.0	0.05	0.0	50.9	75.7	64.7	99.6	40	1.0	0.0	0.05	0.0	0.0
40	34	29	1.0	0.066	0.0	51.0	75.3	64.7	99.3	40	1.0	0.0	0.067	0.0	0.0
40	35	31	1.0	0.083	0.0	51.1	74.9	64.8	99.0	40	1.0	0.0	0.083	0.0	0.0
41	36	32	1.0	0.1	0.0	51.3	74.5	64.8	98.7	41	1.0	0.0	0.1	0.0	0.0
41	37	33	1.0	0.116	0.0	51.4	74.1	64.9	98.5	41	1.0	0.0	0.117	0.0	0.0
41	38	34	1.0	0.133	0.0	51.7	73.4	65.0	98.0	41	1.0	0.0	0.133	0.0	0.0
41	39	35	1.0	0.15	0.0	52.0	72.4	65.2	97.4	41	1.0	0.0	0.15	0.0	0.0
42	40	36	1.0	0.166	0.0	52.3	71.4	65.3	96.8	42	1.0	0.0	0.167	0.0	0.0
42	41	37	1.0	0.183	0.0	52.7	70.5	65.5	96.2	42	1.0	0.0	0.183	0.0	0.0
43	42	38	1.0	0.2	0.0	53.0	69.5	65.6	95.6	43	1.0	0.0	0.2	0.0	0.0
43	43	39	1.0	0.216	0.0	53.4	68.6	65.7	95.0	43	1.0	0.0	0.217	0.0	0.0
44	44	41	1.0	0.233	0.0	53.7	67.6	65.8	94.4	44	1.0	0.0	0.233	0.0	0.0
44	45	42	1.0	0.25	0.0	54.0	66.7	65.9	93.8	44	1.0	0.0	0.25	0.0	0.0
45	46	43	1.0	0.266	0.0	54.6	65.1	66.3	93.0	45	1.0	0.0	0.267	0.0	0.0
46	47	44	1.0	0.283	0.0	55.1	63.6	66.6	92.2	46	1.0	0.0	0.283	0.0	0.0
47	48	45	1.0	0.3	0.0	55.7	62.1	66.9	91.3	47	1.0	0.0	0.3	0.0	0.0
47	49	46	1.0	0.316	0.0	56.2	60.6	67.2	90.5	47	1.0	0.0	0.317	0.0	0.0
48	50	47	1.0	0.333	0.0	56.8	59.1	67.5	89.7	48	1.0	0.0	0.333	0.0	0.0
49	51	48	1.0	0.35	0.0	57.3	57.6	67.7	88.9	49	1.0	0.0	0.35	0.0	0.0
50	52	49	1.0	0.366	0.0	57.9	56.2	67.9	88.1	50	1.0	0.0	0.367	0.0	0.0
51	53	51	1.0	0.383	0.0	58.5	54.5	68.2	87.3	51	1.0	0.0	0.383	0.0	0.0
52	54	52	1.0	0.4	0.0	59.3	52.6	68.8	86.6	52	1.0	0.0	0.4	0.0	0.0
53	55	53	1.0	0.416	0.0	60.0	50.7	69.3	85.9	53	1.0	0.0	0.417	0.0	0.0
54	56	54	1.0	0.433	0.0	60.7	48.8	69.7	85.1	54	1.0	0.0	0.433	0.0	0.0
56	57	55	1.0	0.45	0.0	61.4	46.9	70.1	84.4	56	1.0	0.0	0.45	0.0	0.0
57	58	56	1.0	0.466	0.0	62.2	45.1	70.4	83.6	57	1.0	0.0	0.467	0.0	0.0
58	59	57	1.0	0.483	0.0	62.9	43.2	70.7	82.9	58	1.0	0.0	0.483	0.0	0.0
59	60	58	1.0	0.5	0.0	63.6	41.3	71.0	82.2	59	1.0	0.0	0.5	0.0	0.0
61	61	60	1.0	0.516	0.0	64.5	39.3	71.7	81.8	61	1.0	0.0	0.517	0.0	0.0
62	62	61	1.0	0.533	0.0	65.3	37.2	72.4	81.4	62	1.0	0.0	0.533	0.0	0.0
64	63	62	1.0	0.55	0.0	66.2	35.1	73.0	81.0	64	1.0	0.0	0.55	0.0	0.0
65	64	63	1.0	0.566	0.0	67.1	33.0	73.5	80.6	65	1.0	0.0	0.567	0.0	0.0
67	65	64	1.0	0.583	0.0	67.9	31.0	74.0	80.3	67	1.0	0.0	0.583	0.0	0.0
68	66	65	1.0	0.6	0.0	68.8	28.9	74.5	79.9	68	1.0	0.0	0.6	0.0	0.0
70	67	66	1.0	0.616	0.0	69.6	26.8	74.8	79.5	70	1.0	0.0	0.617	0.0	0.0
71	68	67	1.0	0.633	0.0	70.5	24.7	75.4	79.4	71	1.0	0.0	0.633	0.0	0.0
73	69	68	1.0	0.65	0.0	71.5	22.7	76.2	79.5	73	1.0	0.0	0.65	0.0	0.0
75	70	70	1.0	0.666	0.0	72.4	20.6	76.9	79.7	75	1.0	0.0	0.667	0.0	0.0
76	71	71	1.0	0.683	0.0	73.4	18.5	77.6	79.8	76	1.0	0.0	0.683	0.0	0.0
78	72	72	1.0	0.7	0.0	74.3	16.3	78.2	79.9	78	1.0	0.0	0.7	0.0	0.0
79	73	73	1.0	0.716	0.0	75.3	14.2	78.8	80.1	79	1.0	0.0	0.717	0.0	0.0
81	74	74	1.0	0.733	0.0	76.2	12.0	79.3	80.2	81	1.0	0.0	0.733	0.0	0.0
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82	1.0	0.0	0.75	0.0	0.0

1-103530-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 6/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours RYGBCM _d : $h_{ab,d}$ = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours RYGBCM _e : $h_{ab,e}$ = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi}$ (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}												
82	75	75	1.0	0.75	0.0	77.2	9.8	79.7	80.4	82	1.0	0.667	0.0	72.5	20.6	77.0	79.7	75	1.0	0.75	0.0				
84	76	76	1.0	0.766	0.0	78.2	7.8	80.6	81.0	84	1.0	0.677	0.0	73.1	19.3	77.4	79.8	76	1.0	0.767	0.0				
85	77	77	1.0	0.783	0.0	79.2	5.8	81.4	81.7	85	1.0	0.688	0.0	73.7	18.0	77.8	79.9	77	1.0	0.783	0.0				
87	78	78	1.0	0.8	0.0	80.2	3.8	82.2	82.3	87	1.0	0.698	0.0	74.3	16.6	78.2	80.0	78	1.0	0.8	0.0				
88	79	80	1.0	0.816	0.0	81.2	1.7	82.9	83.0	88	1.0	0.708	0.0	74.9	15.3	78.6	80.1	79	1.0	0.817	0.0				
90	80	81	1.0	0.833	0.0	82.2	-0.3	83.6	83.6	90	1.0	0.719	0.0	75.5	13.9	78.9	80.1	80	1.0	0.833	0.0				
91	81	82	1.0	0.85	0.0	83.3	-2.5	84.2	84.3	91	1.0	0.729	0.0	76.1	12.6	79.2	80.2	81	1.0	0.85	0.0				
93	82	83	1.0	0.866	0.0	84.3	-4.6	84.8	84.9	93	1.0	0.74	0.0	76.7	11.2	79.5	80.3	82	1.0	0.867	0.0				
94	83	84	1.0	0.883	0.0	85.3	-6.7	85.5	85.8	94	1.0	0.75	0.0	77.3	9.8	79.8	80.4	83	1.0	0.883	0.0				
95	84	85	1.0	0.9	0.0	86.3	-8.5	86.4	86.8	95	1.0	0.762	0.0	78.0	8.5	80.4	80.9	84	1.0	0.9	0.0				
96	85	86	1.0	0.916	0.0	87.4	-10.5	87.2	87.8	96	1.0	0.773	0.0	78.7	7.1	81.0	81.3	85	1.0	0.917	0.0				
98	86	87	1.0	0.933	0.0	88.4	-12.4	88.0	88.9	98	1.0	0.785	0.0	79.3	5.7	81.6	81.8	86	1.0	0.933	0.0				
99	87	88	1.0	0.95	0.0	89.5	-14.4	88.7	89.9	99	1.0	0.796	0.0	80.0	4.3	82.1	82.2	87	1.0	0.95	0.0				
100	88	90	1.0	0.966	0.0	90.5	-16.5	89.4	91.0	100	1.0	0.808	0.0	80.7	2.9	82.6	82.7	88	1.0	0.967	0.0				
101	89	91	1.0	0.983	0.0	91.6	-18.5	90.1	92.0	101	1.0	0.819	0.0	81.4	1.5	83.1	83.1	89	1.0	0.983	0.0				
102	90	92	1.0	1.0	0.0	92.6	-20.7	90.7	93.0	102	1.0	0.831	0.0	82.1	0.0	83.5	83.5	90	1.0	1.0	0.0				
103	91	93	0.983	1.0	0.0	92.3	-22.3	90.5	93.2	103	1.0	0.842	0.0	82.8	-1.4	84.0	84.0	91	0.983	1.0	0.0				
104	92	94	0.966	1.0	0.0	92.0	-24.0	90.2	93.3	104	1.0	0.853	0.0	83.5	-2.8	84.4	84.4	92	0.967	1.0	0.0				
105	93	95	0.95	1.0	0.0	91.7	-25.6	89.9	93.5	105	1.0	0.865	0.0	84.2	-4.3	84.8	84.9	93	0.95	1.0	0.0				
106	94	96	0.933	1.0	0.0	91.4	-27.3	89.5	93.6	106	1.0	0.877	0.0	84.9	-5.9	85.2	85.4	94	0.933	1.0	0.0				
108	95	98	0.916	1.0	0.0	91.1	-28.9	89.1	93.7	108	1.0	0.891	0.0	85.8	-7.4	85.9	86.3	95	0.917	1.0	0.0				
109	96	99	0.9	1.0	0.0	90.8	-30.6	88.7	93.9	109	1.0	0.904	0.0	86.7	-9.0	86.6	87.1	96	0.9	1.0	0.0				
110	97	100	0.883	1.0	0.0	90.5	-32.2	88.3	94.0	110	1.0	0.918	0.0	87.5	-10.6	87.3	88.0	97	0.883	1.0	0.0				
111	98	101	0.866	1.0	0.0	90.3	-33.8	88.0	94.3	111	1.0	0.932	0.0	88.4	-12.3	88.0	88.9	98	0.867	1.0	0.0				
111	99	102	0.85	1.0	0.0	90.0	-35.4	87.7	94.6	111	1.0	0.946	0.0	89.3	-13.9	88.6	89.7	99	0.85	1.0	0.0				
112	100	103	0.833	1.0	0.0	89.8	-37.0	87.5	95.0	112	1.0	0.96	0.0	90.2	-15.6	89.2	90.6	100	0.833	1.0	0.0				
113	101	105	0.816	1.0	0.0	89.5	-38.6	87.2	95.4	113	1.0	0.974	0.0	91.0	-17.4	89.8	91.5	101	0.817	1.0	0.0				
114	102	106	0.8	1.0	0.0	89.3	-40.1	86.9	95.7	114	1.0	0.988	0.0	91.9	-19.1	90.3	92.3	102	0.8	1.0	0.0				
115	103	107	0.783	1.0	0.0	89.0	-41.7	86.6	96.1	115	0.998	1.0	0.0	92.6	-20.8	90.7	93.1	103	0.783	1.0	0.0				
116	104	108	0.766	1.0	0.0	88.7	-43.3	86.2	96.5	116	0.981	1.0	0.0	92.3	-22.5	90.5	93.2	104	0.767	1.0	0.0				
117	105	109	0.75	1.0	0.0	88.5	-44.9	85.8	96.8	117	0.965	1.0	0.0	92.0	-24.1	90.2	93.4	105	0.75	1.0	0.0				
118	106	110	0.733	1.0	0.0	88.3	-46.3	85.6	97.4	118	0.949	1.0	0.0	91.8	-25.7	89.9	93.5	106	0.733	1.0	0.0				
119	107	112	0.716	1.0	0.0	88.1	-47.8	85.4	97.9	119	0.933	1.0	0.0	91.5	-27.3	89.6	93.6	107	0.717	1.0	0.0				
120	108	113	0.7	1.0	0.0	87.9	-49.2	85.2	98.4	120	0.917	1.0	0.0	91.2	-28.9	89.2	93.8	108	0.7	1.0	0.0				
120	109	114	0.683	1.0	0.0	87.6	-50.7	84.9	98.9	120	0.901	1.0	0.0	90.9	-30.5	88.8	93.9	109	0.683	1.0	0.0				
121	110	115	0.666	1.0	0.0	87.4	-52.1	84.7	99.4	121	0.884	1.0	0.0	90.6	-32.1	88.4	94.1	110	0.667	1.0	0.0				
122	111	116	0.65	1.0	0.0	87.2	-53.6	84.4	100.0	122	0.868	1.0	0.0	90.3	-33.7	88.0	94.3	111	0.65	1.0	0.0				
123	112	117	0.633	1.0	0.0	87.0	-55.0	84.1	100.5	123	0.85	1.0	0.0	90.1	-35.4	87.8	94.7	112	0.633	1.0	0.0				
123	113	119	0.616	1.0	0.0	86.8	-56.4	83.8	101.0	123	0.832	1.0	0.0	89.8	-37.1	87.5	95.1	113	0.617	1.0	0.0				
124	114	120	0.6	1.0	0.0	86.7	-57.6	83.7	101.6	124	0.814	1.0	0.0	89.5	-38.7	87.2	95.5	114	0.6	1.0	0.0				
125	115	121	0.583	1.0	0.0	86.5	-58.9	83.5	102.2	125	0.797	1.0	0.0	89.3	-40.4	86.9	95.9	115	0.583	1.0	0.0				
125	116	122	0.566	1.0	0.0	86.3	-60.1	83.3	102.8	125	0.779	1.0	0.0	89.0	-42.1	86.5	96.3	116	0.567	1.0	0.0				
126	117	123	0.55	1.0	0.0	86.2	-61.4	83.1	103.3	126	0.761	1.0	0.0	88.7	-43.8	86.1	96.6	117	0.55	1.0	0.0				
127	118	124	0.533	1.0	0.0	86.0	-62.7	82.9	103.9	127	0.742	1.0	0.0	88.4	-45.5	85.8	97.1	118	0.533	1.0	0.0				
127	119	126	0.516	1.0	0.0	85.8	-63.9	82.6	104.5	127	0.721	1.0	0.0	88.2	-47.3	85.5	97.8	119	0.517	1.0	0.0				
128	120	127	0.5	1.0	0.0	85.7	-65.2	82.4	105.1	128	0.7	1.0	0.0	87.9	-49.1	85.3	98.4	120	0.5	1.0	0.0				

http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 8/29

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$; $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

Six hue angles of the device colours $RYGCBM_d$; $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$; $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$																												
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}															
128	120	127	0.5	1.0	0.0	85.7	-65.2 82.4	105.1 128	0.7	1.0	0.0	87.9	-49.1 85.3	98.4 120	0.5	1.0	0.0	0.529 1.0	0.0	86.0	-62.9 82.9	104.1 127	0.5	1.0	0.0			
128	121	128	0.483	1.0	0.0	85.5	-66.2 82.3	105.6 128	0.68	1.0	0.0	87.7	-50.9 84.9	99.1 121	0.483	1.0	0.0	0.498 1.0	0.0	85.7	-65.3 82.4	105.2 128	0.483	1.0	0.0			
129	122	129	0.466	1.0	0.0	85.4	-67.2 82.1	106.1 129	0.659	1.0	0.0	87.4	-52.8 84.6	99.7 122	0.467	1.0	0.0	0.456 1.0	0.0	85.4	-67.8 82.1	106.5 129	0.467	1.0	0.0			
129	123	130	0.45	1.0	0.0	85.3	-68.2 82.0	106.7 129	0.638	1.0	0.0	87.1	-54.6 84.2	100.4 123	0.45	1.0	0.0	0.414 1.0	0.0	85.1	-70.3 81.7	107.9 130	0.45	1.0	0.0			
130	124	131	0.433	1.0	0.0	85.2	-69.2 81.8	107.2 130	0.615	1.0	0.0	86.9	-56.5 83.9	101.1 124	0.433	1.0	0.0	0.372 1.0	0.0	84.7	-72.9 81.3	109.2 131	0.433	1.0	0.0			
130	125	133	0.416	1.0	0.0	85.0	-70.2 81.7	107.8 130	0.589	1.0	0.0	86.6	-58.4 83.6	102.1 125	0.417	1.0	0.0	0.309 1.0	0.0	84.4	-75.6 80.9	110.8 133	0.417	1.0	0.0			
131	126	134	0.4	1.0	0.0	84.9	-71.3 81.5	108.3 131	0.562	1.0	0.0	86.3	-60.4 83.3	103.0 126	0.4	1.0	0.0	0.244 1.0	0.0	84.1	-78.3 80.5	112.4 134	0.4	1.0	0.0			
131	127	135	0.383	1.0	0.0	84.8	-72.3 81.3	108.8 131	0.536	1.0	0.0	86.1	-62.4 83.0	103.9 127	0.383	1.0	0.0	0.132 1.0	0.0	83.8	-81.2 80.1	114.1 135	0.383	1.0	0.0			
132	128	136	0.366	1.0	0.0	84.7	-73.2 81.2	109.3 132	0.51	1.0	0.0	85.8	-64.4 82.6	104.8 128	0.367	1.0	0.0	0.0	1.0	0.073 83.7	-82.3 78.0	113.5 136	0.367	1.0	0.0			
132	129	137	0.35	1.0	0.0	84.6	-73.9 81.1	109.7 132	0.477	1.0	0.0	85.5	-66.5 82.3	105.8 129	0.35	1.0	0.0	0.0	1.0	0.165 83.7	-81.6 74.2	110.4 137	0.35	1.0	0.0			
132	130	138	0.333	1.0	0.0	84.5	-74.6 81.0	110.1 132	0.442	1.0	0.0	85.3	-68.7 82.0	107.0 130	0.333	1.0	0.0	0.0	1.0	0.227 83.8	-80.8 70.5	107.3 138	0.333	1.0	0.0			
132	131	140	0.316	1.0	0.0	84.4	-75.3 80.9	110.6 132	0.406	1.0	0.0	85.0	-70.9 81.6	108.1 131	0.317	1.0	0.0	0.0	1.0	0.273 83.8	-80.0 67.0	104.5 140	0.317	1.0	0.0			
133	132	141	0.3	1.0	0.0	84.3	-76.0 80.8	111.0 133	0.368	1.0	0.0	84.7	-73.1 81.2	109.3 132	0.3	1.0	0.0	0.0	1.0	0.311 83.9	-79.3 63.7	101.8 141	0.3	1.0	0.0			
133	133	142	0.283	1.0	0.0	84.2	-76.8 80.7	111.4 133	0.314	1.0	0.0	84.5	-75.4 80.9	110.7 133	0.283	1.0	0.0	0.0	1.0	0.349 84.0	-78.4 60.4	99.0 142	0.283	1.0	0.0			
133	134	143	0.266	1.0	0.0	84.2	-77.5 80.6	111.8 133	0.261	1.0	0.0	84.2	-77.7 80.6	112.0 134	0.267	1.0	0.0	0.0	1.0	0.383 84.0	-77.5 57.3	96.4 143	0.267	1.0	0.0			
134	135	144	0.25	1.0	0.0	84.1	-78.2 80.5	112.2 134	0.173	1.0	0.0	83.9	-80.2 80.3	113.5 135	0.25	1.0	0.0	0.0	1.0	0.41	84.1	-76.8 54.3	94.1 144	0.25	1.0	0.0		
134	136	145	0.233	1.0	0.0	84.0	-78.7 80.4	112.5 134	0.004	1.0	0.0	83.6	-82.6 79.9	115.0 136	0.233	1.0	0.0	0.0	1.0	0.437 84.2	-75.9 51.5	91.8 145	0.233	1.0	0.0			
134	137	147	0.216	1.0	0.0	84.0	-79.1 80.4	112.8 134	0.0	1.0	0.125	83.7	-82.1 76.6	112.3 137	0.217	1.0	0.0	0.0	1.0	0.464 84.2	-75.0 48.7	89.5 147	0.217	1.0	0.0			
134	138	148	0.2	1.0	0.0	83.9	-79.5 80.3	113.0 134	0.0	1.0	0.178	83.7	-81.4 73.4	109.7 138	0.2	1.0	0.0	0.0	1.0	0.491 84.3	-74.1 45.9	87.2 148	0.2	1.0	0.0			
134	139	149	0.183	1.0	0.0	83.9	-79.9 80.2	113.3 134	0.0	1.0	0.231	83.8	-80.7 70.3	107.1 139	0.183	1.0	0.0	0.0	1.0	0.513 84.4	-73.3 43.4	85.2 149	0.183	1.0	0.0			
135	140	150	0.166	1.0	0.0	83.8	-80.4 80.2	113.5 135	0.0	1.0	0.271	83.8	-80.1 67.3	104.7 140	0.167	1.0	0.0	0.0	1.0	0.533 84.5	-72.5 41.0	83.4 150	0.167	1.0	0.0			
135	141	151	0.15	1.0	0.0	83.8	-80.8 80.1	113.8 135	0.0	1.0	0.303	83.9	-79.4 64.4	102.3 141	0.15	1.0	0.0	0.0	1.0	0.553 84.5	-71.7 38.6	81.6 151	0.15	1.0	0.0			
135	142	152	0.133	1.0	0.0	83.7	-81.2 80.1	114.1 135	0.0	1.0	0.335	83.9	-78.7 61.6	100.0 142	0.133	1.0	0.0	0.0	1.0	0.573 84.6	-70.9 36.3	79.8 152	0.133	1.0	0.0			
135	143	154	0.116	1.0	0.0	83.7	-81.5 80.0	114.2 135	0.0	1.0	0.368	84.0	-77.9 58.8	97.7 143	0.117	1.0	0.0	0.0	1.0	0.593 84.7	-70.0 34.1	77.9 154	0.117	1.0	0.0			
135	144	155	0.1	1.0	0.0	83.7	-81.7 80.0	114.4 135	0.0	1.0	0.393	84.1	-77.3 56.2	95.6 144	0.1	1.0	0.0	0.0	1.0	0.614 84.7	-69.0 31.9	76.1 155	0.1	1.0	0.0			
135	145	156	0.083	1.0	0.0	83.7	-81.9 80.0	114.5 135	0.0	1.0	0.416	84.1	-76.6 53.7	93.6 145	0.083	1.0	0.0	0.0	1.0	0.631 84.8	-68.2 29.8	74.5 156	0.083	1.0	0.0			
135	146	157	0.066	1.0	0.0	83.7	-82.0 79.9	114.6 135	0.0	1.0	0.439	84.2	-75.9 51.3	91.7 146	0.067	1.0	0.0	0.0	1.0	0.646 84.9	-67.5 27.9	73.2 157	0.067	1.0	0.0			
135	147	158	0.049	1.0	0.0	83.6	-82.2 79.9	114.7 135	0.0	1.0	0.462	84.2	-75.1 48.8	89.7 147	0.05	1.0	0.0	0.0	1.0	0.661 85.0	-66.9 26.1	71.9 158	0.05	1.0	0.0			
135	148	159	0.033	1.0	0.0	83.6	-82.4 79.9	114.8 135	0.0	1.0	0.485	84.3	-74.3 46.5	87.7 148	0.033	1.0	0.0	0.0	1.0	0.676 85.0	-66.2 24.3	70.6 159	0.033	1.0	0.0			
135	149	161	0.016	1.0	0.0	83.6	-82.6 79.9	114.9 135	0.0	1.0	0.506	84.4	-73.5 44.2	85.9 149	0.017	1.0	0.0	0.0	1.0	0.691 85.1	-65.4 22.5	69.2 161	0.017	1.0	0.0			
136	150	162	0.0	1.0	0.0	83.6	-82.7 79.8	115.0 136	G_d	0.0	1.0	0.523	84.4	-72.9 42.1	84.3 150	G_s	0.0	1.0	0.0	0.0	1.0	0.706 85.2	-64.6 20.7	67.9 162	G_e	0.0	1.0	0.0
136	151	163	0.0	1.0	0.016	83.6	-82.7 79.4	114.6 136	0.0	1.0	0.541	84.5	-72.3 40.1	82.7 151	0.0	1.0	0.017	0.0	1.0	0.718 85.2	-63.9 19.4	66.9 163	0.0	1.0	0.017			
136	152	164	0.0	1.0	0.033	83.6	-82.6 79.0	114.3 136	0.0	1.0	0.558	84.5	-71.6 38.1	81.2 152	0.0	1.0	0.033	0.0	1.0	0.73	85.3	-63.2 18.1	65.9 164	0.0	1.0	0.033		
136	153	164	0.0	1.0	0.05	83.6	-82.5 78.5	113.9 136	0.0	1.0	0.575	84.6	-70.8 36.1	79.6 153	0.0	1.0	0.05	0.0	1.0	0.741 85.3	-62.5 16.8	64.8 164	0.0	1.0	0.05			
136	154	165	0.0	1.0	0.066	83.6	-82.4 78.1	113.5 136	0.0	1.0	0.592	84.7	-70.0 34.2	78.0 154	0.0	1.0	0.067	0.0	1.0	0.752 85.4	-61.9 15.6	63.9 165	0.0	1.0	0.067			
136	155	166	0.0	1.0	0.083	83.6	-82.3 77.6	113.2 136	0.0	1.0	0.61	84.7	-69.2 32.3	76.5 155	0.0	1.0	0.083	0.0	1.0	0.761 85.4	-61.5 14.5	63.2 166	0.0	1.0	0.083			
136	156	167	0.0	1.0	0.1	83.6	-82.2 77.2	112.8 136	0.0	1.0	0.626	84.8	-68.4 30.5	74.9 156	0.0	1.0	0.1	0.0	1.0	0.77	85.5	-61.1 13.3	62.6 167	0.0	1.0	0.1		
136	157	168	0.0	1.0	0.116																							

see similar files: <http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT> /PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours <i>RYGBM_s</i> : <i>h_{ab,ds}</i> = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0; Six hue angles of the device colours <i>RYGCBM_d</i> : <i>h_{ab,d}</i> = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2; Six hue angles of the elementary colours <i>RYGBM_e</i> : <i>h_{ab,e}</i> = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6																	
<i>h_{ab,d}</i>	<i>h_{ab,s}</i>	<i>h_{ab,e}</i>	<i>rgb*_{dd}361M</i>	<i>LAB*_{ddx361Mi} (x=LabCh)</i>	<i>rgb*_{ds361Mi}</i>	<i>LAB*_{dsx361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>LAB*_{dex361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>LAB*_{dex361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>	<i>LAB*_{dex361Mi} (x=LabCh)</i>	<i>rgb*_{dd361Mi}</i>	<i>rgb*_{de361Mi}</i>
139	165	175	0.0	1.0	0.25	83.8	-80.5	69.1	106.1	139	0.0	1.0	0.25	83.8	-80.5	69.1	106.1
139	166	176	0.0	1.0	0.266	83.8	-80.2	67.6	104.9	139	0.0	1.0	0.267	83.8	-80.2	67.6	104.9
140	167	177	0.0	1.0	0.283	83.8	-79.9	66.1	103.7	140	0.0	1.0	0.283	83.8	-79.9	66.1	103.7
140	168	178	0.0	1.0	0.3	83.8	-79.6	64.6	102.5	140	0.0	1.0	0.3	83.8	-79.6	64.6	102.5
141	169	179	0.0	1.0	0.316	83.9	-79.2	63.1	101.3	141	0.0	1.0	0.317	83.9	-79.2	63.1	101.3
141	170	180	0.0	1.0	0.333	83.9	-78.8	61.7	100.1	141	0.0	1.0	0.333	83.9	-78.8	61.7	100.1
142	171	181	0.0	1.0	0.35	83.9	-78.4	60.2	98.9	142	0.0	1.0	0.35	83.9	-78.4	60.2	98.9
142	172	182	0.0	1.0	0.366	84.0	-78.0	58.8	97.7	142	0.0	1.0	0.367	84.0	-78.0	58.8	97.7
143	173	183	0.0	1.0	0.383	84.0	-77.6	57.2	96.4	143	0.0	1.0	0.383	84.0	-77.6	57.2	96.4
144	174	184	0.0	1.0	0.4	84.0	-77.1	55.4	94.9	144	0.0	1.0	0.4	84.0	-77.1	55.4	94.9
145	175	185	0.0	1.0	0.416	84.1	-76.6	53.6	93.5	145	0.0	1.0	0.417	84.1	-76.6	53.6	93.5
145	176	185	0.0	1.0	0.433	84.1	-76.1	51.8	92.1	145	0.0	1.0	0.433	84.1	-76.1	51.8	92.1
146	177	186	0.0	1.0	0.45	84.2	-75.6	50.0	90.6	146	0.0	1.0	0.45	84.2	-75.6	50.0	90.6
147	178	187	0.0	1.0	0.466	84.2	-75.0	48.3	89.2	147	0.0	1.0	0.467	84.2	-75.0	48.3	89.2
147	179	188	0.0	1.0	0.483	84.3	-74.4	46.6	87.8	147	0.0	1.0	0.483	84.3	-74.4	46.6	87.8
148	180	189	0.0	1.0	0.5	84.3	-73.7	44.9	86.4	148	0.0	1.0	0.5	84.3	-73.7	44.9	86.4
149	181	190	0.0	1.0	0.516	84.4	-73.2	42.9	84.8	149	0.0	1.0	0.517	84.4	-73.2	42.9	84.8
150	182	191	0.0	1.0	0.533	84.4	-72.6	40.9	83.3	150	0.0	1.0	0.533	84.4	-72.6	40.9	83.3
151	183	192	0.0	1.0	0.55	84.5	-71.9	39.0	81.8	151	0.0	1.0	0.55	84.5	-71.9	39.0	81.8
152	184	193	0.0	1.0	0.566	84.5	-71.2	37.0	80.3	152	0.0	1.0	0.567	84.5	-71.2	37.0	80.3
153	185	194	0.0	1.0	0.583	84.6	-70.5	35.2	78.8	153	0.0	1.0	0.583	84.6	-70.5	35.2	78.8
154	186	195	0.0	1.0	0.6	84.6	-69.7	33.3	77.3	154	0.0	1.0	0.6	84.6	-69.7	33.3	77.3
155	187	195	0.0	1.0	0.616	84.7	-68.9	31.5	75.8	155	0.0	1.0	0.617	84.7	-68.9	31.5	75.8
156	188	196	0.0	1.0	0.633	84.8	-68.1	29.5	74.3	156	0.0	1.0	0.633	84.8	-68.1	29.5	74.3
157	189	197	0.0	1.0	0.65	84.8	-67.4	27.4	72.8	157	0.0	1.0	0.65	84.8	-67.4	27.4	72.8
159	190	198	0.0	1.0	0.666	84.9	-66.7	25.4	71.3	159	0.0	1.0	0.667	84.9	-66.7	25.4	71.3
160	191	199	0.0	1.0	0.683	85.0	-65.8	23.4	69.9	160	0.0	1.0	0.683	85.0	-65.8	23.4	69.9
161	192	200	0.0	1.0	0.7	85.1	-65.0	21.4	68.4	161	0.0	1.0	0.7	85.1	-65.0	21.4	68.4
163	193	201	0.0	1.0	0.716	85.2	-64.0	19.5	67.0	163	0.0	1.0	0.717	85.2	-64.0	19.5	67.0
164	194	202	0.0	1.0	0.733	85.2	-63.1	17.6	65.5	164	0.0	1.0	0.733	85.2	-63.1	17.6	65.5
165	195	203	0.0	1.0	0.75	85.3	-62.0	15.9	64.0	165	0.0	1.0	0.75	85.3	-62.0	15.9	64.0
167	196	204	0.0	1.0	0.766	85.4	-61.2	13.7	62.8	167	0.0	1.0	0.767	85.4	-61.2	13.7	62.8
169	197	205	0.0	1.0	0.783	85.5	-60.4	11.5	61.5	169	0.0	1.0	0.783	85.5	-60.4	11.5	61.5
170	198	206	0.0	1.0	0.8	85.6	-59.5	9.5	60.2	170	0.0	1.0	0.8	85.6	-59.5	9.5	60.2
172	199	206	0.0	1.0	0.816	85.7	-58.5	7.5	59.0	172	0.0	1.0	0.817	85.7	-58.5	7.5	59.0
174	200	207	0.0	1.0	0.833	85.8	-57.4	5.5	57.7	174	0.0	1.0	0.833	85.8	-57.4	5.5	57.7
176	201	208	0.0	1.0	0.85	85.9	-56.3	3.7	56.4	176	0.0	1.0	0.85	85.9	-56.3	3.7	56.4
177	202	209	0.0	1.0	0.866	86.0	-55.1	1.9	55.2	177	0.0	1.0	0.867	86.0	-55.1	1.9	55.2
180	203	210	0.0	1.0	0.883	86.1	-54.1	0.0	54.1	180	0.0	1.0	0.883	86.1	-54.1	0.0	54.1
182	204	211	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2	182	0.0	1.0	0.9	86.2	-53.2	-2.1	53.2
184	205	212	0.0	1.0	0.916	86.3	-52.2	-4.2	52.4	184	0.0	1.0	0.917	86.3	-52.2	-4.2	52.4
187	206	213	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5	187	0.0	1.0	0.933	86.4	-51.1	-6.3	51.5
189	207	214	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7	189	0.0	1.0	0.95	86.5	-50.0	-8.2	50.7
191	208	215	0.0	1.0	0.966	86.6	-48.8	-10.1	49.8	191	0.0	1.0	0.967	86.6	-48.8	-10.1	49.8
194	209	216	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9	194	0.0	1.0	0.983	86.7	-47.5	-11.8	48.9
196	210	216	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1	196	0.0	1.0	1.0	86.8	-46.1	-13.5	48.1

1-103830-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 9/29

TUB-test chart QE41; hue code: H*d=Y25Gd
48 step hue circles; *rgb-LabCh**tables

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

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation
TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 10/29

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{d361Mi}(x=LabCh)$	C_d	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	C_s	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	C_e	$rgb^*_{dd361Mi}$	$LAB^*_{dex361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
196	210	216	0.0	1.0	1.0	86.8	-46.1 -13.5 48.1	196	0.0	0.927	1.0	81.7	-38.6 -22.2 44.7	210	0.0	0.983	1.0
199	211	217	0.0	0.983	1.0	85.6	-44.6 -15.8 47.3	199	0.0	0.922	1.0	81.3	-38.0 -22.8 44.4	211	0.0	0.983	1.0
202	212	218	0.0	0.966	1.0	84.5	-42.9 -17.9 46.5	202	0.0	0.917	1.0	81.0	-37.3 -23.3 44.2	212	0.0	0.967	1.0
205	213	219	0.0	0.95	1.0	83.3	-41.1 -19.8 45.7	205	0.0	0.911	1.0	80.6	-36.7 -23.8 43.9	213	0.0	0.95	1.0
208	214	220	0.0	0.933	1.0	82.1	-39.3 -21.7 44.9	208	0.0	0.906	1.0	80.2	-36.1 -24.3 43.6	214	0.0	0.933	1.0
212	215	221	0.0	0.916	1.0	80.9	-37.4 -23.4 44.1	212	0.0	0.901	1.0	79.8	-35.4 -24.8 43.4	215	0.0	0.917	1.0
215	216	222	0.0	0.9	1.0	79.7	-35.4 -24.9 43.3	215	0.0	0.895	1.0	79.5	-34.8 -25.3 43.1	216	0.0	0.9	1.0
218	217	223	0.0	0.883	1.0	78.5	-33.4 -26.3 42.5	218	0.0	0.89	1.0	79.1	-34.1 -25.7 42.9	217	0.0	0.883	1.0
221	218	224	0.0	0.866	1.0	77.4	-31.5 -28.1 42.2	221	0.0	0.885	1.0	78.7	-33.5 -26.1 42.6	218	0.0	0.867	1.0
225	219	225	0.0	0.85	1.0	76.2	-29.9 -30.2 42.5	225	0.0	0.879	1.0	78.3	-32.8 -26.6 42.4	219	0.0	0.85	1.0
228	220	226	0.0	0.833	1.0	75.0	-28.1 -32.3 42.8	228	0.0	0.874	1.0	77.9	-32.2 -27.0 42.2	220	0.0	0.833	1.0
232	221	227	0.0	0.816	1.0	73.8	-26.1 -34.2 43.1	232	0.0	0.87	1.0	77.6	-31.8 -27.6 42.2	221	0.0	0.817	1.0
236	222	227	0.0	0.8	1.0	72.6	-24.0 -36.0 43.3	236	0.0	0.865	1.0	77.3	-31.3 -28.2 42.3	222	0.0	0.8	1.0
239	223	228	0.0	0.783	1.0	71.4	-21.8 -37.7 43.6	239	0.0	0.861	1.0	77.0	-30.9 -28.8 42.4	223	0.0	0.783	1.0
243	224	229	0.0	0.766	1.0	70.2	-19.5 -39.3 43.9	243	0.0	0.856	1.0	76.7	-30.4 -29.4 42.5	224	0.0	0.767	1.0
247	225	230	0.0	0.75	1.0	69.1	-17.0 -40.7 44.1	247	0.0	0.851	1.0	76.3	-30.0 -30.0 42.5	225	0.0	0.75	1.0
250	226	231	0.0	0.733	1.0	67.9	-15.3 -42.9 45.5	250	0.0	0.847	1.0	76.0	-29.5 -30.6 42.6	226	0.0	0.733	1.0
253	227	232	0.0	0.716	1.0	66.7	-13.5 -44.9 46.9	253	0.0	0.842	1.0	75.7	-29.0 -31.1 42.7	227	0.0	0.717	1.0
256	228	233	0.0	0.7	1.0	65.5	-11.4 -46.9 48.3	256	0.0	0.838	1.0	75.4	-28.5 -31.7 42.8	228	0.0	0.7	1.0
259	229	234	0.0	0.683	1.0	64.4	-9.2 -48.8 49.7	259	0.0	0.833	1.0	75.0	-28.0 -32.2 42.8	229	0.0	0.683	1.0
262	230	235	0.0	0.666	1.0	63.2	-6.8 -50.6 51.1	262	0.0	0.829	1.0	74.7	-27.5 -32.8 42.9	230	0.0	0.667	1.0
265	231	236	0.0	0.65	1.0	62.0	-4.2 -52.3 52.5	265	0.0	0.824	1.0	74.4	-26.9 -33.3 43.0	231	0.0	0.65	1.0
268	232	237	0.0	0.633	1.0	60.9	-1.5 -53.9 53.9	268	0.0	0.82	1.0	74.1	-26.4 -33.8 43.1	232	0.0	0.633	1.0
270	233	237	0.0	0.616	1.0	59.7	0.8 -55.6 55.7	270	0.0	0.815	1.0	73.7	-25.9 -34.3 43.1	233	0.0	0.617	1.0
272	234	238	0.0	0.6	1.0	58.6	2.9 -57.7 57.8	272	0.0	0.81	1.0	73.4	-25.3 -34.9 43.2	234	0.0	0.6	1.0
274	235	239	0.0	0.583	1.0	57.4	5.1 -59.7 59.9	274	0.0	0.806	1.0	73.1	-24.7 -35.4 43.3	235	0.0	0.583	1.0
276	236	240	0.0	0.566	1.0	56.3	7.4 -61.6 62.1	276	0.0	0.801	1.0	72.8	-24.1 -35.8 43.4	236	0.0	0.567	1.0
278	237	241	0.0	0.55	1.0	55.2	10.0 -63.6 64.2	278	0.0	0.797	1.0	72.4	-23.6 -36.3 43.4	237	0.0	0.55	1.0
280	238	242	0.0	0.533	1.0	54.0	12.6 -65.2 66.4	280	0.0	0.792	1.0	72.1	-23.0 -36.8 43.5	238	0.0	0.533	1.0
283	239	243	0.0	0.516	1.0	52.9	15.4 -66.8 68.5	283	0.0	0.788	1.0	71.8	-22.3 -37.2 43.6	239	0.0	0.517	1.0
285	240	244	0.0	0.5	1.0	51.7	18.3 -68.3 70.7	285	0.0	0.783	1.0	71.5	-21.7 -37.7 43.6	240	0.0	0.5	1.0
286	241	245	0.0	0.483	1.0	50.7	20.6 -70.2 73.2	286	0.0	0.779	1.0	71.1	-21.1 -38.1 43.7	241	0.0	0.483	1.0
287	242	246	0.0	0.466	1.0	49.6	22.9 -72.1 75.7	287	0.0	0.774	1.0	70.8	-20.5 -38.6 43.8	242	0.0	0.467	1.0
288	243	247	0.0	0.45	1.0	48.6	25.4 -74.0 78.2	288	0.0	0.769	1.0	70.5	-19.8 -39.0 43.9	243	0.0	0.45	1.0
290	244	248	0.0	0.433	1.0	47.5	28.0 -75.7 80.7	290	0.0	0.765	1.0	70.2	-19.2 -39.4 43.9	244	0.0	0.433	1.0
291	245	248	0.0	0.416	1.0	46.5	30.6 -77.4 83.2	291	0.0	0.76	1.0	69.8	-18.5 -39.8 44.0	245	0.0	0.417	1.0
292	246	249	0.0	0.4	1.0	45.4	33.3 -79.0 85.7	292	0.0	0.756	1.0	69.5	-17.8 -40.2 44.1	246	0.0	0.4	1.0
294	247	250	0.0	0.383	1.0	44.3	36.2 -80.5 88.2	294	0.0	0.751	1.0	69.2	-17.2 -40.6 44.2	247	0.0	0.383	1.0
295	248	251	0.0	0.366	1.0	43.4	38.7 -82.0 90.7	295	0.0	0.746	1.0	68.8	-16.6 -41.2 44.5	248	0.0	0.367	1.0
296	249	252	0.0	0.35	1.0	42.5	41.0 -83.6 93.2	296	0.0	0.74	1.0	68.4	-16.0 -41.9 45.0	249	0.0	0.35	1.0
296	250	253	0.0	0.333	1.0	41.6	43.4 -85.2 95.6	296	0.0	0.735	1.0	68.0	-15.4 -42.6 45.5	250	0.0	0.333	1.0
297	251	254	0.0	0.316	1.0	40.7	45.8 -86.7 98.1	297	0.0	0.729	1.0	67.7	-14.8 -43.3 45.9	251	0.0	0.317	1.0
298	252	255	0.0	0.3	1.0	39.8	48.2 -88.2 100.5	298	0.0	0.724	1.0	67.3	-14.2 -44.0 46.4	252	0.0	0.3	1.0
299	253	256	0.0	0.283	1.0	38.9	50.7 -89.6 103.0	299	0.0	0.718	1.0	66.9	-13.6 -44.7 46.8	253	0.0	0.283	1.0
300	254	257	0.0	0.266	1.0	38.0	53.3 -91.0 105.4	300	0.0	0.713	1.0	66.5	-12.9 -45.4 47.3	254	0.0	0.267	1.0
301	255	258	0.0	0.25	1.0	37.1	55.9 -92.3 107.9	301	0.0	0.707	1.0	66.1	-12.3 -46.0 47.8	255	0.0	0.25	1.0

1-103930-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 10/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh$ *tables

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

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /.PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 12/29

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$; $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

1-1031130-L0	QE410-72	LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0
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Output: sRGB standard device; no separation, D65, page 12/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$
48 step hue circles; $rgb-LabCh^*$ tables

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

TUB registration: 20130201-QE4/QE4ILOFA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrirkQE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrirk>

see similar files: <http://130.149.60.45/~farbmetrirkQE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrirk>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours *RYGBM_s*: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;

Six hue angles of the device colours *RYGBM_d*: $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$; Six hue angles of the elementary colours *RYGBM_e*: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{ddx361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{dsx361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$rgb^*_{dd361Mi}$	rgb^*_{ds}	rgb^*_{de}
341	345	342	1.0	0.0	0.75	54.2	86.7	-28.6	91.3	341	1.0	0.0	0.75
342	346	343	1.0	0.0	0.733	54.0	86.5	-26.4	90.4	342	1.0	0.0	0.733
344	347	344	1.0	0.0	0.716	53.8	86.2	-24.2	89.5	344	1.0	0.0	0.717
345	348	345	1.0	0.0	0.7	53.7	85.8	-22.0	88.6	345	1.0	0.0	0.7
346	349	346	1.0	0.0	0.683	53.5	85.4	-19.9	87.7	346	1.0	0.0	0.683
348	350	347	1.0	0.0	0.666	53.4	85.0	-17.8	86.8	348	1.0	0.0	0.667
349	351	348	1.0	0.0	0.65	53.2	84.5	-15.7	85.9	349	1.0	0.0	0.65
350	352	349	1.0	0.0	0.633	53.0	83.9	-13.6	85.0	350	1.0	0.0	0.633
352	353	350	1.0	0.0	0.616	52.9	83.6	-11.4	84.3	352	1.0	0.0	0.617
353	354	351	1.0	0.0	0.6	52.8	83.4	-9.1	83.9	353	1.0	0.0	0.6
355	355	352	1.0	0.0	0.583	52.7	83.2	-6.9	83.5	355	1.0	0.0	0.583
356	356	353	1.0	0.0	0.566	52.5	82.9	-4.6	83.0	356	1.0	0.0	0.567
358	357	354	1.0	0.0	0.55	52.4	82.5	-2.4	82.6	358	1.0	0.0	0.55
359	358	355	1.0	0.0	0.533	52.3	82.1	-0.1	82.1	359	1.0	0.0	0.533
361	359	356	1.0	0.0	0.516	52.1	81.6	2.0	81.7	361	1.0	0.0	0.517
362	360	352	1.0	0.0	0.5	52.0	81.1	4.1	81.2	362	1.0	0.0	0.5
364	361	353	1.0	0.0	0.483	51.9	81.1	6.5	81.3	364	1.0	0.0	0.483
366	362	354	1.0	0.0	0.466	51.8	81.0	8.8	81.5	366	1.0	0.0	0.467
367	363	355	1.0	0.0	0.45	51.7	80.8	11.1	81.6	367	1.0	0.0	0.45
369	364	356	1.0	0.0	0.433	51.6	80.6	13.5	81.7	369	1.0	0.0	0.433
371	365	357	1.0	0.0	0.416	51.5	80.3	15.8	81.8	371	1.0	0.0	0.417
372	366	358	1.0	0.0	0.4	51.4	79.9	18.1	81.9	372	1.0	0.0	0.4
374	367	359	1.0	0.0	0.383	51.4	79.5	20.4	82.1	374	1.0	0.0	0.383
376	368	360	1.0	0.0	0.366	51.3	79.3	22.7	82.5	376	1.0	0.0	0.367
377	369	362	1.0	0.0	0.35	51.2	79.3	25.1	83.2	377	1.0	0.0	0.35
379	370	363	1.0	0.0	0.333	51.1	79.2	27.4	83.8	379	1.0	0.0	0.333
380	371	364	1.0	0.0	0.316	51.1	79.1	29.7	84.5	380	1.0	0.0	0.317
382	372	365	1.0	0.0	0.3	51.0	78.9	32.1	85.2	382	1.0	0.0	0.3
383	373	366	1.0	0.0	0.283	51.0	78.7	34.4	85.9	383	1.0	0.0	0.283
385	374	367	1.0	0.0	0.266	50.9	78.3	36.8	86.6	385	1.0	0.0	0.267
386	375	368	1.0	0.0	0.25	50.8	77.9	39.2	87.2	386	1.0	0.0	0.25
387	376	369	1.0	0.0	0.233	50.8	78.0	41.2	88.2	387	1.0	0.0	0.233
389	377	370	1.0	0.0	0.216	50.8	78.0	43.3	89.2	389	1.0	0.0	0.217
390	378	372	1.0	0.0	0.2	50.7	78.0	45.4	90.2	390	1.0	0.0	0.2
391	379	373	1.0	0.0	0.183	50.7	77.9	47.5	91.2	391	1.0	0.0	0.183
392	380	374	1.0	0.0	0.166	50.6	77.8	49.6	92.2	392	1.0	0.0	0.167
393	381	375	1.0	0.0	0.15	50.6	77.6	51.7	93.3	393	1.0	0.0	0.15
394	382	376	1.0	0.0	0.133	50.6	77.3	53.9	94.3	394	1.0	0.0	0.133
395	383	377	1.0	0.0	0.116	50.5	77.2	55.6	95.1	395	1.0	0.0	0.117
396	384	378	1.0	0.0	0.1	50.5	77.2	56.8	95.9	396	1.0	0.0	0.1
396	385	379	1.0	0.0	0.083	50.5	77.2	58.1	96.6	396	1.0	0.0	0.083
397	386	381	1.0	0.0	0.066	50.5	77.2	59.4	97.4	397	1.0	0.0	0.067
398	387	382	1.0	0.0	0.049	50.5	77.1	60.6	98.1	398	1.0	0.0	0.05
398	388	383	1.0	0.0	0.033	50.5	77.1	61.9	98.9	398	1.0	0.0	0.033
399	389	384	1.0	0.0	0.016	50.5	77.0	63.2	99.6	399	1.0	0.0	0.017
400	390	385	1.0	0.0	0.0	50.4	76.9	64.5	100.4	400	1.0	0.0	0.0

1-1031230-L0 QE410-72 LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

Output: sRGB standard device; no separation, D65, page 13/29

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$

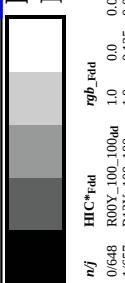
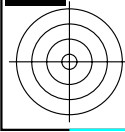
48 step hue circles; $rgb-LabCh^*$ tables

input: $rgb/cmyk \rightarrow rgb_{dd}$

output: 3D-linearization to rgb^*_{dd}

TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

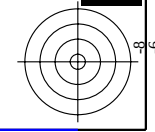
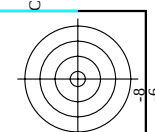
TUB material: code=rha4ta



http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 14/29

TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta



see similar files: <http://130.149.60.45/~farbmetrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

QE410-7N; Page 14/29-F

TUB-test chart QE41; hue code: H*d=Y25Gd
colors and differences, ΔE*

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

n/f		H*Ch*Fid	rgb_Fid	hsl_Fid	rgb_Fid	LabCh*Fid	LabCh*Fid	rgb_Fid	DP**Fid hAnx,did	rgbbd	LabCh*Mid	LabCh*Mid
0/648	R00Y_100_100dd	1.0	0.0	1.0	0.0	50.4	76.9	1.0	0.0	0.0	50.4	76.9
1/657	R13Y_100_100dd	0.125	0.0	1.0	0.116	51.4	74.2	0.999	0.117	0.0	51.4	74.2
2/666	R25Y_100_100dd	0.25	0.0	1.0	0.233	53.7	67.6	0.999	0.234	0.0	53.7	67.6
3/675	R38Y_100_100dd	0.375	0.0	1.0	0.366	57.9	56.2	0.999	0.368	0.0	57.9	56.2
4/684	R50Y_100_100dd	0.5	0.0	1.0	0.5	63.6	41.3	1.0	0.501	0.0	63.6	41.3
5/693	R63Y_100_100dd	0.625	0.0	1.0	0.633	70.5	24.7	1.0	0.631	0.0	70.5	24.7
6/702	R75Y_100_100dd	0.75	0.0	1.0	0.766	80.6	8.1	1.0	0.765	0.0	80.6	8.1
7/711	R88Y_100_100dd	1.0	0.0	1.0	0.883	85.8	-6.7	1.0	0.882	0.0	85.8	-6.7
8/720	Y00C_100_100dd	1.0	1.0	0.0	0.0	92.6	-20.7	1.0	1.0	0.0	92.6	-20.7
9/639	Y13C_100_100dd	0.875	1.0	0.0	0.883	90.5	-32.2	0.999	0.882	1.0	90.5	-32.2
10/558	Y25C_100_100dd	0.75	1.0	0.0	0.766	88.7	-43.3	0.999	0.765	0.999	88.7	-43.3
11/477	Y38C_100_100dd	0.625	1.0	0.0	0.633	87.0	-55.2	0.999	0.631	0.999	87.0	-55.2
12/396	Y50C_100_100dd	0.5	1.0	0.0	0.5	85.7	-65.2	1.0	0.501	0.0	85.7	-65.2
13/315	Y63C_100_100dd	0.375	1.0	0.0	0.366	84.7	-73.1	1.0	0.368	0.999	84.7	-73.1
14/234	Y75C_100_100dd	0.25	1.0	0.0	0.233	84.0	-78.7	1.0	0.234	0.999	84.0	-78.7
15/153	Y88C_100_100dd	0.125	1.0	0.0	0.116	83.7	-81.5	1.0	0.117	0.999	83.7	-81.5
16/72	G00C_100_100dd	0.0	1.0	0.0	0.0	83.6	-82.7	0.999	0.0	0.999	83.6	-82.7
17/73	G13C_100_100dd	0.0	0.875	1.0	0.116	83.6	-82.7	0.999	0.0	0.999	83.6	-82.7
18/74	G25C_100_100dd	0.0	0.75	1.0	0.233	83.7	-80.8	0.999	0.0	0.999	83.7	-80.8
19/75	G38C_100_100dd	0.0	0.625	1.0	0.366	84.0	-77.9	0.999	0.0	0.999	84.0	-77.9
20/76	G50C_100_100dd	0.0	0.5	1.0	0.5	84.3	-73.7	1.0	0.501	0.0	84.3	-73.7
21/77	G63C_100_100dd	0.0	0.375	1.0	0.633	84.8	-68.1	1.0	0.632	0.0	84.8	-68.1
22/78	G75C_100_100dd	0.0	0.25	1.0	0.766	85.4	-61.2	1.0	0.765	0.0	85.4	-61.2
23/79	G88C_100_100dd	0.0	0.125	1.0	0.883	86.1	-54.1	1.0	0.882	0.0	86.1	-54.1
24/80	C00B_100_100dd	0.0	1.0	0.0	0.0	86.8	-46.1	1.0	1.0	0.0	86.8	-46.1
25/81	C13B_100_100dd	0.0	0.875	1.0	0.116	86.8	-46.1	1.0	0.883	1.0	86.8	-46.1
26/62	C25B_100_100dd	0.0	0.75	1.0	0.233	87.5	-33.4	1.0	0.766	1.0	87.5	-33.4
27/63	C38B_100_100dd	0.0	0.625	1.0	0.366	90.1	-19.5	1.0	0.633	1.0	90.1	-19.5
28/44	C50B_100_100dd	0.0	0.5	1.0	0.5	91.7	-8.3	1.0	0.501	0.999	91.7	-8.3
29/35	C63B_100_100dd	0.0	0.375	1.0	0.633	93.4	18.7	1.0	0.632	0.0	93.4	18.7
30/26	C75B_100_100dd	0.0	0.25	1.0	0.766	95.6	57.6	1.0	0.765	0.0	95.6	57.6
31/17	C88B_100_100dd	0.0	0.125	1.0	0.883	100.3	122.3	1.0	0.882	0.0	100.3	122.3
32/8	B00M_100_100dd	0.0	1.0	0.0	0.0	100.3	122.3	0.0	0.0	0.0	100.3	122.3
33/89	B13M_100_100dd	0.125	0.0	1.0	0.116	100.3	122.3	0.0	0.117	0.0	100.3	122.3
34/170	B25M_100_100dd	0.25	0.0	1.0	0.233	100.3	122.3	0.0	0.234	0.0	100.3	122.3
35/251	B38M_100_100dd	0.375	0.0	1.0	0.366	100.3	122.3	0.0	0.368	0.0	100.3	122.3
36/332	B50M_100_100dd	0.5	0.0	1.0	0.5	100.3	122.3	0.0	0.501	0.0	100.3	122.3
37/413	B63M_100_100dd	0.625	0.0	1.0	0.633	100.3	122.3	0.0	0.632	0.0	100.3	122.3
38/494	B75M_100_100dd	0.75	0.0	1.0	0.766	100.3	122.3	0.0	0.765	0.0	100.3	122.3
39/575	B88M_100_100dd	0.875	0.0	1.0	0.883	100.3	122.3	0.0	0.882	0.0	100.3	122.3
40/656	M00R_100_100dd	1.0	0.0	1.0	0.0	57.2	94.3	1.0	0.0	1.0	57.2	94.3
41/655	M13R_100_100dd	1.0	0.0	0.875	0.116	57.2	94.3	1.0	0.0	0.883	57.2	94.3
42/654	M25R_100_100dd	1.0	0.0	0.75	0.233	57.2	94.3	1.0	0.0	0.766	57.2	94.3
43/653	M38R_100_100dd	1.0	0.0	0.625	0.366	57.9	86.8	1.0	0.0	0.633	57.9	86.8
44/652	M50R_100_100dd	1.0	0.0	0.5	0.5	52.0	81.1	1.0	0.0	0.5	52.0	81.1
45/651	M63R_100_100dd	1.0	0.0	0.375	0.633	51.3	79.3	1.0	0.0	0.366	51.3	79.3
46/650	M75R_100_100dd	1.0	0.0	0.25	0.766	50.8	77.8	1.0	0.0	0.234	50.8	77.8
47/649	M88R_100_100dd	1.0	0.0	0.125	0.883	50.5	77.2	1.0	0.0	0.117	50.5	77.2
48/648	R00Y_100_100dd	1.0	0.0	0.0	0.0	50.4	76.9	1.0	0.0	0.0	50.4	76.9
49/0	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_013dd	0.125	0.0	0.0	0.125	0.0	0.0	0.0	0.129	0.132	0.132	11.9
51/182	NW_025dd	0.25	0.0	0.0	0.25	0.0	0.0	0.0	0.232	0.236	0.237	23.7
52/273	NW_038dd	0.375	0.0	0.0	0.375	0.0	0.0	0.0	0.345	0.35	0.357	-0.4
53/364	NW_050dd	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.466	0.47	0.471	-0.3
54/455	NW_063dd	0.625	0.0	0.0	0.625	0.0	0.0	0.0	0.59	0.593	0.594	59.4
55/546	NW_075dd	0.75	0.0	0.0	0.75	0.0	0.0	0.0	0.721	0.724	0.724	71.3
56/637	NW_088dd	0.875	0.0	0.0	0.875	0.0	0.0	0.0	0.858	0.86	0.863	83.3
57/728	NW_100dd	1.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4

Mean color difference of this page:
delta E** = 0.1



http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 15/29

TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta



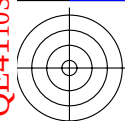
TUB-test chart QE41; hue code: H*d=Y25Gd
colors and differences, ΔE*

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

n/f	HfC*Fdd	rgb_Fdd	lch_Fdd	hsl_Fdd	rgb*Fdd	LabCH*Fdd	LabCH*Fdd	DF*Fdd	hsl*Fdd	rgb*Fdd	LabCH*Fdd	LabCH*Fdd
0/648	R00Y_100_050dd	1.0	0.0	0.0	1.0	0.0	50.4	0.0	0.0	0.0	50.4	76.9
1/648	R25Y_100_050dd	0.25	0.0	0.0	1.0	0.233	53.7	0.233	0.0	0.0	53.7	67.6
2/648	R50Y_100_050dd	0.5	0.0	0.0	1.0	0.466	57.0	0.466	0.0	0.0	57.0	81.5
3/648	R75Y_100_050dd	0.75	0.0	0.0	1.0	0.693	60.3	0.693	0.0	0.0	60.3	95.4
4/648	Y00C_100_050dd	1.0	0.0	0.0	1.0	0.0	92.6	0.0	0.0	0.0	92.6	109.3
5/648	Y25C_100_050dd	0.75	0.0	0.0	1.0	0.0	88.7	0.0	0.0	0.0	88.7	96.5
6/648	Y50C_100_050dd	0.5	0.0	0.0	1.0	0.0	85.7	0.0	0.0	0.0	85.7	83.3
7/648	Y75C_100_050dd	0.25	0.0	0.0	1.0	0.0	82.6	0.0	0.0	0.0	82.6	70.2
8/72	G00B_100_050dd	0.0	1.0	0.0	0.0	1.0	83.6	0.0	0.0	0.0	83.6	57.1
9/72	G25B_100_050dd	0.0	1.0	0.0	0.0	1.0	83.6	0.0	0.0	0.0	83.6	43.9
10/72	G50B_100_050dd	0.0	1.0	0.0	0.0	1.0	83.6	0.0	0.0	0.0	83.6	30.7
11/80	G75B_100_050dd	0.0	1.0	0.0	0.0	1.0	83.6	0.0	0.0	0.0	83.6	17.5
12/44	G90B_100_050dd	0.0	1.0	0.0	0.0	1.0	83.6	0.0	0.0	0.0	83.6	4.3
13/32	B00M_100_050dd	0.0	0.0	1.0	0.0	0.0	30.3	0.0	0.0	0.0	30.3	76.9
14/332	B25R_100_050dd	0.5	0.0	1.0	0.0	0.0	38.5	0.0	0.0	0.0	38.5	63.7
15/656	B50R_100_050dd	1.0	0.0	1.0	0.0	0.0	57.2	0.0	0.0	0.0	57.2	40.5
16/652	B75R_100_050dd	1.0	0.0	1.0	0.0	0.0	57.2	0.0	0.0	0.0	57.2	27.3
17/648	R00Y_100_050dd	1.0	0.0	0.0	1.0	0.0	50.4	0.0	0.0	0.0	50.4	76.9
18/688	R00Y_100_050dd	1.0	0.5	0.5	1.0	0.5	72.9	0.5	0.5	0.5	72.9	38.4
19/706	R50Y_100_050dd	0.75	0.5	0.5	1.0	0.75	79.5	0.75	0.75	0.75	79.5	20.6
20/724	Y00C_100_050dd	1.0	0.5	0.5	1.0	0.5	94.0	0.5	0.5	0.5	94.0	11.3
21/400	G00B_100_050dd	0.75	1.0	0.5	0.0	0.75	80.5	0.75	0.75	0.75	80.5	2.1
22/400	G25B_100_050dd	0.5	1.0	0.5	0.0	0.5	83.5	0.5	0.5	0.5	83.5	11.3
23/400	G50B_100_050dd	0.25	1.0	0.25	0.0	0.25	86.1	0.25	0.25	0.25	86.1	20.6
24/400	G75B_100_050dd	0.0	1.0	0.0	0.0	0.0	88.7	0.0	0.0	0.0	88.7	29.9
25/692	B50R_100_050dd	1.0	0.5	0.5	1.0	0.5	76.3	0.5	0.5	0.5	76.3	47.1
26/688	R00Y_100_050dd	1.0	0.5	0.5	1.0	0.5	72.9	0.5	0.5	0.5	72.9	38.4
27/506	R00Y_075_050dd	0.75	0.25	0.25	0.75	0.25	49.0	0.25	0.25	0.25	49.0	38.4
28/524	R50Y_075_050dd	0.5	0.25	0.25	0.5	0.25	55.6	0.25	0.25	0.25	55.6	20.6
29/542	Y00C_075_050dd	0.75	0.25	0.25	0.75	0.25	70.1	0.25	0.25	0.25	70.1	10.3
30/380	Y50C_075_050dd	0.5	0.25	0.25	0.5	0.25	66.7	0.25	0.25	0.25	66.7	41.3
31/218	G00B_075_050dd	0.25	0.75	0.25	0.25	0.75	65.6	0.25	0.75	0.25	65.6	39.9
32/222	G25B_075_050dd	0.25	0.75	0.25	0.25	0.75	67.2	0.25	0.75	0.25	67.2	23.0
33/186	B00R_075_050dd	0.25	0.25	0.75	0.25	0.25	39.0	0.25	0.25	0.75	39.0	38.0
34/510	B50R_075_050dd	0.75	0.25	0.75	0.75	0.25	52.5	0.75	0.25	0.75	52.5	47.1
35/506	R00Y_075_050dd	0.75	0.25	0.25	0.75	0.25	49.0	0.25	0.25	0.25	49.0	38.4
36/324	R00Y_050_050dd	0.5	0.0	0.5	0.5	0.25	25.2	0.0	0.0	0.0	25.2	50.2
37/342	R50Y_050_050dd	0.5	0.25	0.25	0.5	0.25	31.8	0.25	0.25	0.25	31.8	20.6
38/360	Y00C_050_050dd	0.5	0.5	0.25	0.5	0.25	46.3	0.25	0.5	0.25	46.3	10.3
39/198	Y50C_050_050dd	0.25	0.5	0.25	0.25	0.25	42.8	0.25	0.5	0.25	42.8	41.3
40/36	G00B_050_050dd	0.0	0.5	0.25	0.0	0.5	41.8	0.0	0.5	0.25	41.8	39.9
41/40	G25B_050_050dd	0.0	0.5	0.25	0.0	0.5	43.4	0.0	0.5	0.25	43.4	23.0
42/4	B00R_050_050dd	0.0	0.5	0.25	0.0	0.5	15.1	0.0	0.5	0.25	15.1	38.0
43/328	B50R_050_050dd	0.5	0.0	0.5	0.5	0.25	28.6	0.5	0.0	0.5	28.6	47.1
44/324	R00Y_050_050dd	0.5	0.0	0.5	0.5	0.25	25.2	0.5	0.0	0.5	25.2	38.4
45/0	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/91	NW_015dd	0.125	0.125	0.125	0.125	0.125	11.9	0.0	0.0	0.0	11.9	0.0
47/182	NW_025dd	0.25	0.25	0.25	0.25	0.25	23.8	0.0	0.0	0.0	23.8	0.0
48/273	NW_035dd	0.375	0.375	0.375	0.375	0.375	35.7	0.0	0.0	0.0	35.7	0.0
49/364	NW_050dd	0.625	0.625	0.625	0.625	0.625	59.6	0.0	0.0	0.0	59.6	0.0
50/456	NW_075dd	0.875	0.875	0.875	0.875	0.875	71.5	0.0	0.0	0.0	71.5	0.0
51/636	NW_100dd	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	95.4	0.0
53/728	NW_100dd	1.0	1.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	95.4	0.0

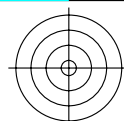
Mean color difference of this page: delta E* = 0.8

see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



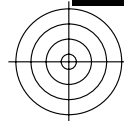
V L O Y M
http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 16/29

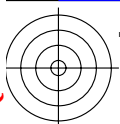
[illegible] $\Delta E^* = 0.5$

TUB-test chart QE41; hue code: H*d=Y25Gd

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

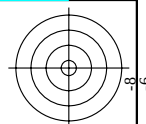
see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

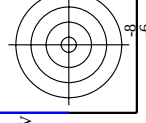


http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 18/29

[illegible] $\Delta E^* = 0.6$ TUB-test chart QE41; hue code: H_d^{*}=Y25G_d

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

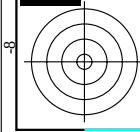
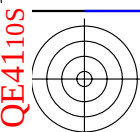
-see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





TUB registration: 20130201-QE41/QE41L0FA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta



see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT> /PS; 3D-linearization
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

F: 3D-linearization QE41/QE41L0FA.DAT in file (F), page 19/29									
n	HVC-Fid	rgb-Fid	ic-Fid	hsa-Fid	rgb*Fid	LabCH*Fid	LabCH*Fid	DP*Fid	rgb*Fid
243	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	390	0.366 0.091 0.032	18.5	29.8	39.9	38.9
244	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	391	0.362 0.092 0.032	18.8	30.7	24.9	38.9
245	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	392	0.358 0.098 0.032	19.1	31.7	10.6	32.5
246	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	393	0.354 0.107 0.032	19.4	32.9	-8.0	33.9
247	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	394	0.350 0.116 0.032	19.7	34.0	-22.5	34.6
248	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	395	0.346 0.125 0.032	20.0	35.1	-37.7	35.0
249	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	396	0.342 0.134 0.032	20.3	36.2	-52.5	34.8
250	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	397	0.338 0.143 0.032	20.6	37.3	-67.6	34.6
251	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	398	0.334 0.152 0.032	20.9	38.4	-82.0	34.4
252	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	399	0.330 0.161 0.032	21.2	39.5	-96.5	34.2
253	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	400	0.326 0.170 0.032	21.5	40.6	-110.5	34.0
254	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	401	0.322 0.179 0.032	21.8	41.7	-124.5	33.8
255	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	402	0.318 0.188 0.032	22.1	42.8	-138.5	33.6
256	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	403	0.314 0.197 0.032	22.4	43.9	-152.5	33.4
257	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	404	0.310 0.206 0.032	22.7	45.0	-166.5	33.2
258	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	405	0.306 0.215 0.032	23.0	46.1	-180.5	33.0
259	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	406	0.302 0.224 0.032	23.3	47.2	-194.5	32.8
260	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	407	0.298 0.233 0.032	23.6	48.3	-208.5	32.6
261	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	408	0.294 0.242 0.032	23.9	49.4	-222.5	32.4
262	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	409	0.290 0.251 0.032	24.2	50.5	-236.5	32.2
263	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	410	0.286 0.260 0.032	24.5	51.6	-250.5	32.0
264	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	411	0.282 0.269 0.032	24.8	52.7	-264.5	31.8
265	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	412	0.278 0.278 0.032	25.1	53.8	-278.5	31.6
266	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	413	0.274 0.287 0.032	25.4	54.9	-292.5	31.4
267	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	414	0.270 0.296 0.032	25.7	56.0	-306.5	31.2
268	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	415	0.266 0.305 0.032	26.0	57.1	-320.5	31.0
269	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	416	0.262 0.314 0.032	26.3	58.2	-334.5	30.8
270	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	417	0.258 0.323 0.032	26.6	59.3	-348.5	30.6
271	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	418	0.254 0.332 0.032	26.9	60.4	-362.5	30.4
272	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	419	0.250 0.341 0.032	27.2	61.5	-376.5	30.2
273	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	420	0.246 0.350 0.032	27.5	62.6	-390.5	30.0
274	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	421	0.242 0.359 0.032	27.8	63.7	-404.5	29.8
275	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	422	0.238 0.368 0.032	28.1	64.8	-418.5	29.6
276	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	423	0.234 0.377 0.032	28.4	65.9	-432.5	29.4
277	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	424	0.230 0.386 0.032	28.7	67.0	-446.5	29.2
278	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	425	0.226 0.395 0.032	29.0	68.1	-460.5	29.0
279	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	426	0.222 0.404 0.032	29.3	69.2	-474.5	28.8
280	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	427	0.218 0.413 0.032	29.6	70.3	-488.5	28.6
281	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	428	0.214 0.422 0.032	29.9	71.4	-502.5	28.4
282	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	429	0.210 0.431 0.032	30.2	72.5	-516.5	28.2
283	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	430	0.206 0.440 0.032	30.5	73.6	-530.5	28.0
284	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	431	0.202 0.449 0.032	30.8	74.7	-544.5	27.8
285	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	432	0.198 0.458 0.032	31.1	75.8	-558.5	27.6
286	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	433	0.194 0.467 0.032	31.4	76.9	-572.5	27.4
287	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	434	0.190 0.476 0.032	31.7	78.0	-586.5	27.2
288	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	435	0.186 0.485 0.032	32.0	79.1	-600.5	27.0
289	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	436	0.182 0.494 0.032	32.3	80.2	-614.5	26.8
290	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	437	0.178 0.503 0.032	32.6	81.3	-628.5	26.6
291	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	438	0.174 0.512 0.032	32.9	82.4	-642.5	26.4
292	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	439	0.170 0.521 0.032	33.2	83.5	-656.5	26.2
293	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	440	0.166 0.530 0.032	33.5	84.6	-670.5	26.0
294	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	441	0.162 0.539 0.032	33.8	85.7	-684.5	25.8
295	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	442	0.158 0.548 0.032	34.1	86.8	-698.5	25.6
296	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	443	0.154 0.557 0.032	34.4	87.9	-712.5	25.4
297	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	444	0.150 0.566 0.032	34.7	89.0	-726.5	25.2
298	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	445	0.146 0.575 0.032	35.0	90.1	-740.5	25.0
299	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	446	0.142 0.584 0.032	35.3	91.2	-754.5	24.8
300	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	447	0.138 0.593 0.032	35.6	92.3	-768.5	24.6
301	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	448	0.134 0.602 0.032	35.9	93.4	-782.5	24.4
302	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	449	0.130 0.611 0.032	36.2	94.5	-796.5	24.2
303	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	450	0.126 0.620 0.032	36.5	95.6	-810.5	24.0
304	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	451	0.122 0.629 0.032	36.8	96.7	-824.5	23.8
305	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	452	0.118 0.638 0.032	37.1	97.8	-838.5	23.6
306	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	453	0.114 0.647 0.032	37.4	98.9	-852.5	23.4
307	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	454	0.110 0.656 0.032	37.7	100.0	-866.5	23.2
308	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	455	0.106 0.665 0.032	38.0	101.1	-880.5	23.0
309	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	456	0.102 0.674 0.032	38.3	102.2	-894.5	22.8
310	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	457	0.098 0.683 0.032	38.6	103.3	-908.5	22.6
311	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	458	0.094 0.692 0.032	38.9	104.4	-922.5	22.4
312	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	459	0.090 0.701 0.032	39.2	105.5	-936.5	22.2
313	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	460	0.086 0.710 0.032	39.5	106.6	-950.5	22.0
314	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	461	0.082 0.719 0.032	39.8	107.7	-964.5	21.8
315	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	462	0.078 0.728 0.032	40.1	108.8	-978.5	21.6
316	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	463	0.074 0.737 0.032	40.4	109.9	-992.5	21.4
317	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	464	0.070 0.746 0.032	40.7	111.0	-1006.5	21.2
318	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	465	0.066 0.755 0.032	41.0	112.1	-1020.5	21.0
319	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	466	0.062 0.764 0.032	41.3	113.2	-1034.5	20.8
320	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	467	0.058 0.773 0.032	41.6	114.3	-1048.5	20.6
321	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	468	0.054 0.782 0.032	41.9	115.4	-1062.5	20.4
322	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	469	0.050 0.791 0.032	42.2	116.5	-1076.5	20.2
323	ROY0_037_037ad	0.375 0.0 0.125	0.375 0.375 0.187	470	0.046 0.800 0.032	42.5	117.6	-1090.5	20.0

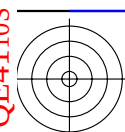
input: rgb/cmyk -> rgbd
output: 3D-linearization to rgb*dd

hue code: H*d=Y25Gd
colors and differences, ΔE*

QE410-7N; Page 19/29-F

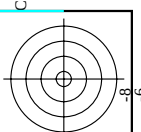
1-1031830-F0

1-1031830-F0



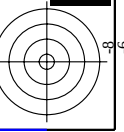
TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta

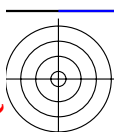
[illegible] $\Delta E^* = 0.5$

TUB-test chart QE41; hue code: $H^*_d=Y25G_d$

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

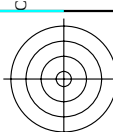


see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



pp. 101-102

output: 3D-mesh

V

Differences, ΔE

Colors and di-

∞

http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT /PS; 3D-linearization F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 21/29

[illegible]

Mean color difference of this page: $\Delta E^* = 0.4$

TUB-test chart QE41; hue code: H^{*}_d=Y25G_d

```
input: rgb/cmyk -> rgbdd
```

$$pqbr < -$$

input: *rgb/cmyk* -

iii

code: $H_d^* = Y25G$

hart QE41; hue c

TUB-test c



see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
- application for measurement of display output, no separation

TUB material: code=rha4ta



<http://130.149.60.45/~farbmatrik/QE41/QE41L0FA.TXT> /PS; 3D-linearization
QE41/QE41LE30FA.DAT in file (F), page 22/29

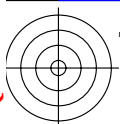
[illegible] $\Delta E^* = 0.4$

TUB-test chart QE41; hue code: H_d^{*}=Y25G_d^{*}
colors and differences, ΔE^*

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

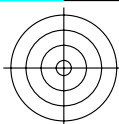
-see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>





TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta



C

1

[illegible]

11

11

[illegible]

11

see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

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

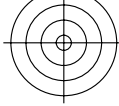
QE410-7N, Page 23/29-F



http://130.149.60.45/~farbmertik/QE41/QE41LOFA.TXT /PS; 3D-linearization

F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 23/29

n	HIC* _{Mid}	rgb_mid	lct_mid	hls_mid	rgb* _{Mid}	LabCH* _{Mid}	rgb* _{Mid}	LabCH* _{Mid}	DE* _{Mid}	rgb* _{Mid}	LabCH* _{Mid}	rgb* _{Mid}	LabCH* _{Mid}	DE* _{Mid}	rgb* _{Mid}	LabCH* _{Mid}	rgb* _{Mid}	LabCH* _{Mid}	DE* _{Mid}
567	R00Y_087_087Mid	0.875 0.0	0.875 0.0	390	0.875 0.0	44.1 67.3	56.4 87.8	40.0	0.864 0.055 0.017	43.9 67.7	56.4 88.1	39.7 0.4	389	0.4	0.0	0.0	50.4 76.9	64.5 100.4	40.0
568	R36Y_087_087Mid	0.875 0.0	0.875 0.0	382	0.875 0.0	44.2 67.7	47.1 82.5	34.8	0.864 0.054 0.124	44.1 68.1	46.9 82.7	34.5 0.5	382	0.5	0.0	0.133	50.6 77.3	53.9 94.3	34.8
569	R23Y_087_087Mid	0.875 0.0	0.875 0.0	374	0.875 0.0	44.2 68.5	37.2 75.7	25.1	0.864 0.052 0.235	44.3 68.9	32.0 76.0	24.8 0.5	375	1.0	0.0	0.266	50.9 78.3	36.8 86.6	25.1
570	R08Y_087_087Mid	0.875 0.0	0.875 0.0	365	0.875 0.0	46.1 70.2	13.8 71.6	11.1	0.865 0.049 0.366	44.9 70.6	13.4 71.9	10.7 0.6	365	1.0	0.0	0.416	51.5 80.3	15.8 81.8	11.1
571	B70R_087_087Mid	0.875 0.0	0.875 0.0	351	0.875 0.0	46.1 72.8	6.0 73.0	35.2	0.864 0.052 0.594	45.9 73.2	6.0 73.5	35.4 0.8	354	1.0	0.0	0.583	52.7 83.2	-6.9 83.5	35.2
572	B63R_087_087Mid	0.875 0.0	0.875 0.0	346	0.875 0.0	47.2 75.6	-23.1 79.1	342.9	0.863 0.059 0.631	47.0 76.0	-23.2 79.5	344.9 0.4	344	1.0	0.0	0.733	54.0 86.5	-26.4 90.4	342.9
573	B56R_087_087Mid	0.875 0.0	0.875 0.0	338	0.875 0.0	48.6 78.6	87.3 78.3	334.5	0.862 0.064 0.614	48.4 79.2	87.3 78.7	334.9 0.4	337	1.0	0.0	0.866	55.5 90.1	-42.8 99.8	334.5
574	B41R_087_087Mid	0.875 0.0	0.875 0.0	323	0.883 0.1	50.1 82.5	-51.1 81.1	323.6	0.862 0.1 0.7	50.1 82.5	-51.1 81.5	323.6 0.4	323	1.0	0.0	1.0	57.2 94.3	-58.4 110.9	323.2
575	B34R_087_087Mid	0.875 0.0	0.875 0.0	309	0.883 0.1	52.5 85.8	-56.9 85.8	309.0	0.862 0.1 0.9	52.5 85.8	-56.9 86.3	309.0 0.4	309	1.0	0.0	1.0	60.3 98.0	-63.3 110.9	309.0
576	B27R_087_087Mid	0.875 0.0	0.875 0.0	300	0.883 0.1	54.8 87.4	-61.8 87.4	297.7	0.861 0.1 0.9	54.8 87.4	-61.8 87.9	297.7 0.4	297	1.0	0.0	1.0	63.0 100.4	-66.0 110.9	297.7
577	R25Y_087_087Mid	0.875 0.0	0.875 0.0	300	0.875 0.0	49.2 77.4	69.5 77.4	300.0	0.868 0.264 0.135	49.2 77.4	69.5 77.4	300.0 0.2	300	1.0	0.0	0.0	50.4 76.9	51.7 93.3	300.0
578	R25Y_087_087Mid	0.875 0.0	0.875 0.0	381	0.875 0.125 0.362	50.2 59.3	63.4 60.6	33.6	0.888 0.264 0.135	49.8 58.2	38.8 70.3	33.6 0.2	381	1.0	0.0	0.15	50.6 77.6	51.7 93.3	33.6
579	R00Y_087_087Mid	0.875 0.125 0.375	0.875 0.125 0.375	360	0.875 0.125 0.375	50.9 60.8	31.3 60.9	2.9	0.884 0.266 0.354	50.1 59.4	22.0 63.3	20.3 0.2	371	1.0	0.0	0.316	51.1 79.1	29.7 84.1	20.3
580	R00Y_087_087Mid	0.875 0.125 0.375	0.875 0.125 0.375	360	0.875 0.125 0.375	50.9 60.8	31.3 60.9	2.9	0.884 0.266 0.354	50.1 59.4	22.0 63.3	20.3 0.2	371	1.0	0.0	0.316	51.1 79.1	29.7 84.1	20.3
581	B65R_087_075Mid	0.875 0.125 0.625	0.875 0.125 0.625	521	0.875 0.125 0.625	64.1 64.1	-14.9 65.8	346.8	0.876 0.275 0.626	51.9 64.5	-14.9 65.9	346.9 0.1	348	1.0	0.0	0.683	53.5 85.4	-19.7 87.7	346.8
582	B57R_087_075Mid	0.875 0.125 0.625	0.875 0.125 0.625	533	0.875 0.125 0.625	67.3 60.3	73.9 335.5	73.9	0.874 0.281 0.75	53.3 67.2	-70.6 74.1	335.6 0.2	337	1.0	0.0	0.85	53.5 85.4	-19.7 87.7	335.5
583	B48R_087_075Mid	0.875 0.125 0.625	0.875 0.125 0.625	549	0.875 0.125 0.625	70.7 49.8	83.2 328.2	328.2	0.872 0.288 0.862	54.7 71.0	-58.9 83.1	328.2 0.3	330	1.0	0.0	0.85	53.5 85.4	-19.7 87.7	328.2
584	B43R_100_087Mid	0.875 0.125 1.0	0.875 0.125 1.0	322	0.883 0.125 1.0	57.3 78.4	50.0 98.1	45.5	0.895 0.279 1.0	57.1 78.5	-44.0 98.1	45.5 0.1	322	1.0	0.0	0.866	50.0 78.4	-44.0 98.1	45.5
585	R15Y_087_075Mid	0.875 0.25 0.125	0.875 0.25 0.125	39	0.875 0.237 0.125	50.9 54.3	48.0 73.1	41.9	0.867 0.243 0.02	47.7 57.0	58.1 81.4	45.5 0.1	44	1.0	0.266	0.0	54.6 65.1	65.2 97.4	41.9
586	R15Y_087_075Mid	0.875 0.25 0.125	0.875 0.25 0.125	39	0.875 0.237 0.125	50.9 54.3	48.0 73.1	41.9	0.867 0.243 0.02	47.7 57.0	58.1 81.4	45.5 0.1	44	1.0	0.266	0.0	54.6 65.1	65.2 97.4	41.9
587	R00Y_087_062Mid	0.875 0.25 0.375	0.875 0.25 0.375	390	0.875 0.25 0.375	55.5 48.7	20.3 62.7	31.3	0.903 0.386 0.271	55.3 48.0	40.3 62.6	40.0 0.1	389	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
588	R31Y_087_062Mid	0.875 0.25 0.375	0.875 0.25 0.375	379	0.875 0.25 0.375	55.5 48.7	20.3 62.7	31.3	0.903 0.386 0.271	55.3 48.0	40.3 62.6	40.0 0.1	389	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
589	R11Y_087_062Mid	0.875 0.25 0.625	0.875 0.25 0.625	367	0.875 0.25 0.625	56.9 52.2	12.8 51.3	14.4	0.893 0.391 0.476	55.9 52.1	12.7 51.1	14.1 0.3	367	1.0	0.0	0.183	50.7 79.9	47.5 91.2	14.4
590	B69R_087_062Mid	0.875 0.25 0.625	0.875 0.25 0.625	353	0.875 0.25 0.625	56.9 52.2	12.8 51.3	14.4	0.893 0.391 0.476	55.9 52.1	12.7 51.1	14.1 0.3	367	1.0	0.0	0.183	50.7 79.9	47.5 91.2	14.4
591	B59R_087_062Mid	0.875 0.25 0.75	0.875 0.25 0.75	341	0.875 0.25 0.75	58.2 55.5	62.7 58.2	60.1	0.882 0.402 0.864	58.1 55.5	62.7 58.2	60.1 0.3	339	1.0	0.0	0.016	50.8 78.9	-36.6 96.2	337.6
592	B59R_087_062Mid	0.875 0.25 0.75	0.875 0.25 0.75	341	0.875 0.25 0.75	58.2 55.5	62.7 58.2	60.1	0.882 0.402 0.864	58.1 55.5	62.7 58.2	60.1 0.3	339	1.0	0.0	0.016	50.8 78.9	-36.6 96.2	337.6
593	B42R_100_075Mid	0.875 0.25 1.0	0.875 0.25 1.0	322	0.887 0.25 1.0	62.2 66.8	51.1 84.3	322.4	0.908 0.41 0.1	62.1 66.6	50.9 83.9	322.6 0.4	322	1.0	0.0	0.85	50.0 78.9	-68.1 112.4	322.4
594	R41Y_087_087Mid	0.875 0.375 0.0	0.875 0.375 0.0	55	0.875 0.364 0.0	52.5 44.4	60.6 75.1	53.7	0.863 0.368 0.021	52.5 44.3	60.6 75.2	53.9 0.1	54	1.0	0.416	0.0	60.0 50.7	69.3 85.9	53.7
595	R11Y_087_075Mid	0.875 0.375 0.125	0.875 0.375 0.125	541	0.875 0.362 0.125	54.1 45.5	50.9 67.9	47.9	0.885 0.382 0.171	54.1 45.3	50.9 68.1	48.2 0.1	48	1.0	0.316	0.0	56.2 60.6	67.2 90.5	47.9
596	R18Y_087_062Mid	0.875 0.375 0.25	0.875 0.375 0.25	41	0.875 0.364 0.25	56.8 44.0	40.9 60.1	42.8	0.904 0.416 0.278	56.6 44.1	40.9 60.1	42.8 0.1	39	1.0	0.183	0.0	52.7 70.5	65.5 96.2	42.8
597	R00Y_087_050Mid	0.875 0.375 0.5	0.875 0.375 0.5	390	0.875 0.375 0.5	61.1 38.4	30.2 50.2	40.1	0.919 0.488 0.385	61.0 38.3	32.1 50.0	39.9 0.1	389	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
598	R26Y_087_050Mid	0.875 0.375 0.5	0.875 0.375 0.5	376	0.875 0.375 0.5	61.1 38.4	30.2 50.2	40.1	0.909 0.491 0.471	61.2 38.8	32.0 43.9	27.7 0.2	377	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
599	R00Y_087_050Mid	0.875 0.375 0.625	0.875 0.375 0.625	344	0.875 0.375 0.625	61.8 40.5	2.9 40.6	2.9	0.894 0.498 0.608	61.8 40.2	2.9 40.3	3.2 0.3	360	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
600	B61R_087_050Mid	0.875 0.375 0.625	0.875 0.375 0.625	344	0.875 0.375 0.625	61.8 40.5	2.9 40.6	2.9	0.894 0.498 0.608	61.8 40.2	2.9 40.3	3.2 0.3	360	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
601	B40R_100_062Mid	0.875 0.375 1.0	0.875 0.375 1.0	330	0.885 0.375 1.0	66.9 55.0	-44.2 70.6	321.2	0.913 0.519 1.0	66.8 54.6	-43.4 69.8	321.5 0.8	320	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
602	B40R_100_062Mid	0.875 0.375 1.0	0.875 0.375 1.0	330	0.885 0.375 1.0	66.9 55.0	-44.2 70.6	321.2	0.913 0.519 1.0	66.8 54.6	-43.4 69.8	321.5 0.8	320	1.0	0.0	0.0	50.4 76.9	64.5 100.4	40.0
603	R30Y_087_075Mid	0.875 0.5 0.0	0.875 0.5 0.0	65	0.875 0.5 0.0	59.4 27.1	64.8 70.2	67.2	0.863 0.508 0.026	59.5 26.8	61.7 70.4	67.5 0.6	65	1.0	0.583	0.0	67.9 31.0	74.0 82.2	67.2
604	R30Y_087_075Mid	0.875 0.5 0.0	0.875 0.5 0.0	65	0.875 0.5 0.0	59.4 27.1	64.8 70.2	67.2	0.863 0.508 0.026	59.5 26.8	61.7 70.4	67.5 0.6	65	1.0	0.583	0.0	67.9 31.0	74.0 82.2	67.2
605	R38Y_087_062Mid	0.875 0.5 0.125	0.875 0.5 0.125	46	0.875 0.489 0.125	60.4 34.0	42.6 54.6	51.3	0.898 0.497 0.297	60.4 33.8	42.7 54.5	51.6 0.2	42	1.0	0.233	0.0	58.5 54.5	68.2 87.3	51.3
606	R38Y_087_062Mid	0.875 0.5 0.125	0.875 0.5 0.125	46	0.875 0.489 0.125	60.4 34.0	42.6 54.6	51.3	0.898 0.497 0.297	60.4 33.8	42.7 54.5	51.6 0.2	42	1.0	0.233	0.0	58.5 54.5	68.2 87.3	51.3
607	R38Y_087_062Mid	0.875 0.5 0.125	0.875 0.5 0.125	46	0.875 0.489 0.125	60.4 34.0	42.6 54.6	51.3	0.898 0.497 0.297	60.4 33.8	42.7 54.5	51.6 0.2	42	1.0	0.233	0.0	58.5 54.5	68.2 87.3	51.3
608	R38Y_087_062Mid	0.875 0.5 0.125	0.875 0.5 0.125	46	0.875 0.489 0.125	60.4 34.0	42.6 54.6	51.3	0.898 0.497 0.297	60.4 33.8	42.7 54.5	51.6 0.2	42	1.0	0.233	0.0	58.5 54.5	68.2 87.3	51.3
609	B65R_087_037Mid	0.875 0.5 0.625	0.875 0.5 0.625	371	0.875 0.5 0.625	68.6 60.6	31.7 69.6	20.6	0.922 0.628 0.999	68.5 60.5	31.7 69.6	20.6 0.1	369	1.0	0.0	0.316	50.4 76.9	64.5 100.4	40.0
610	B65R_087_037Mid	0.875 0.5 0.625	0.875 0.5 0.625	371	0.875 0.5 0.625	68.6 60.6	31.7 69.6	20.6	0.922 0.628 0.999	68.5 60.5	31.7 69.6	20.6 0.1	369	1.0	0.0	0.316	50.4 76.9	64.5 100.4	40.0
611	B38R_100_050Mid	0.875 0.5 0.75	0.875 0.5 0.75	360	0.885 0.5 0.75	69.1 35.3	-21.9 41.6	328.3	0.884 0.506 0.865	69.0 35.4	-22.0 41.7	328.1 0.2	330	1.0	0.0	0.683	53.5 85.4	-19.7 87.7	328.2
612	R38Y_087_050Mid	0.875 0.5 1.0	0.875 0.5 1.0	316	0.883 0.5 1.0	71.6 43.2	-37.0 56.9	319.4	0.914 0.612 1.0	71.4 43.0	-36.2 56.2</								



TUB-test chart QE41; hue code: H_d^{*}=Y25G_d^{*}
colors and differences, ΔE^*

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see similar files: <http://130.149.60.45/~farbmatrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart QE41; hue code: H^{*}_d=Y25G_d
colors and differences. ΔE^*

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

[illegible]



http://130.149.60.45/~farbmetrik/QE41/QE41L0FA.TXT /PS; 3D-linearization
F: 3D-linearization QE41/QE41LE30FA.DAT in file (F), page 29/29

see similar files: <http://130.149.60.45/~farbmetrik/QE41/QE41.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-QE41/QE41L0FA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

n	HC*	rgb*	lcr*	hsl*	LabCH*	rgb*	LabCH*	DF*	rgb*	LabCH*
1053	NW_086dd	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	95.4
1054	NW_093dd	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	95.4
1055	NW_100dd	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	95.4
1056	NW_100dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.4
1057	NW_006dd	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	95.4
1058	NW_013dd	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	95.4
1059	NW_026dd	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	95.4
1060	NW_033dd	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	95.4
1061	NW_040dd	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	95.4
1062	NW_046dd	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	95.4
1063	NW_053dd	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	95.4
1064	NW_060dd	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	95.4
1065	NW_066dd	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	95.4
1066	NW_073dd	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	95.4
1067	NW_080dd	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	95.4
1068	NW_086dd	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	95.4
1069	NW_093dd	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	95.4
1070	NW_100dd	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	95.4
1071	NW_100dd	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.4
1072	ROY_100_100dd	1.0	1.0	1.0	100.4	64.5	100.4	0.0	0.0	95.4
1073	G50B_100_100dd	0.0	1.0	1.0	86.8	-46.1	90.7	0.0	0.0	95.4
1074	Y50B_100_100dd	1.0	1.0	0.0	90.7	13.5	93.0	0.0	0.0	95.4
1075	Y50B_100_100dd	0.0	0.0	1.0	82.6	-20.7	90.7	0.0	0.0	95.4
1076	B50B_100_100dd	0.0	0.0	0.0	30.3	76.0	128.5	0.0	0.0	95.4
1077	B50B_100_100dd	0.0	1.0	0.0	85.6	-92.7	94.3	0.0	0.0	95.4
1078	B50B_100_100dd	0.0	0.0	1.0	57.2	94.3	110.9	0.0	0.0	95.4
1079	B50B_100_100dd	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	95.4

Mean color difference of this page: $\Delta E^* = 0.2$

TUB-test chart QE41; hue code: H*d=Y25Gd
colors and differences, ΔE^*

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