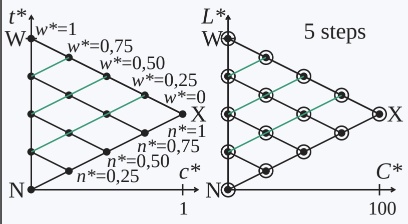
See original or copy: http://web.me.com/klaus.richter/IE99/IE99L0FP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Colorimetric transformation *i*=0

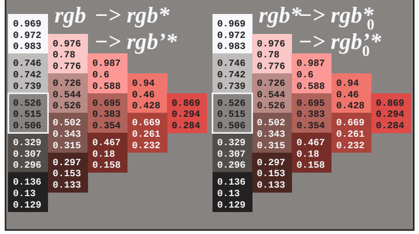
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



IE990−1N, 1

Colorimetric transformation *i*=0

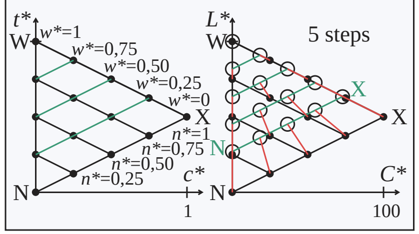
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



IE990−2N, 11

Colorimetric transformation *i*=4

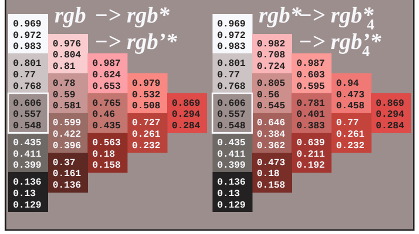
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



IE991−1N, 5

Colorimetric transformation *i*=4

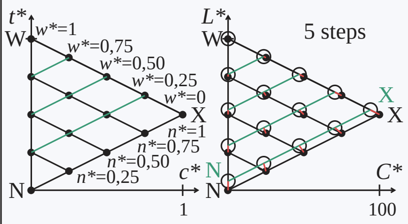
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



IE991−2N, 51

Colorimetric transformation *i*=1

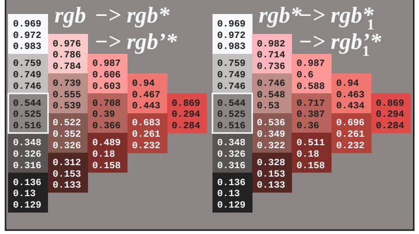
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



IE990−3N, 2

Colorimetric transformation *i*=1

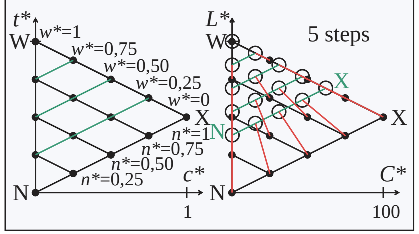
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



IE990−4N, 21

Colorimetric transformation *i*=5

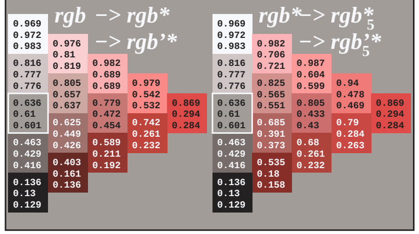
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



IE991−3N, 6

Colorimetric transformation *i*=5

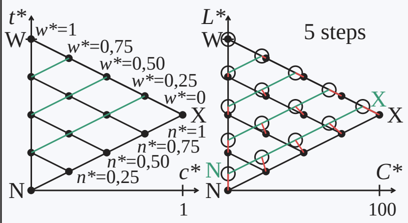
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



IE991−4N, 61

Colorimetric transformation *i*=2

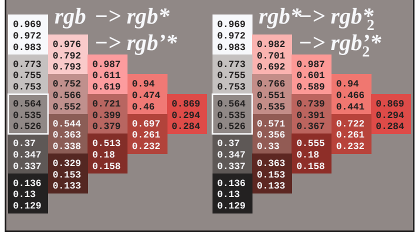
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



IE990−5N, 3

Colorimetric transformation *i*=2

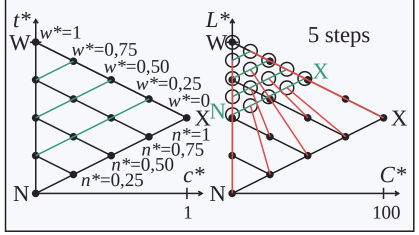
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



IE990−6N, 31

Colorimetric transformation *i*=6

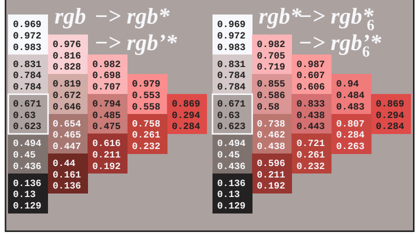
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



IE991−5N, 7

Colorimetric transformation *i*=6

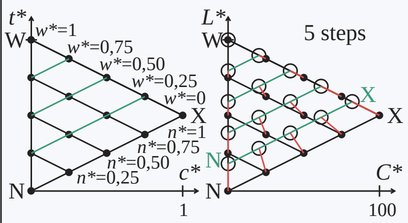
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



IE991−6N, 71

Colorimetric transformation *i*=3

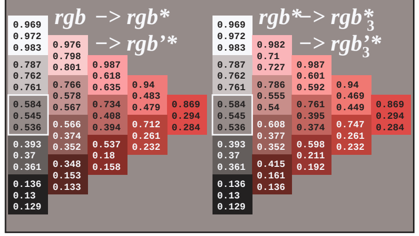
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



IE990−7N, 4

Colorimetric transformation *i*=3

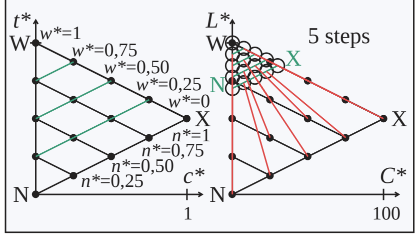
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



IE990−8N, 41

Colorimetric transformation *i*=7

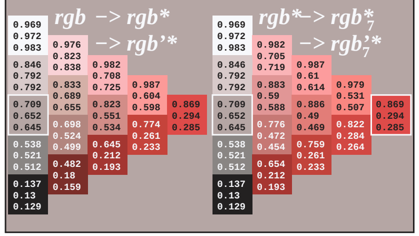
$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70



IE991−7N, 8

Colorimetric transformation *i*=7

$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70

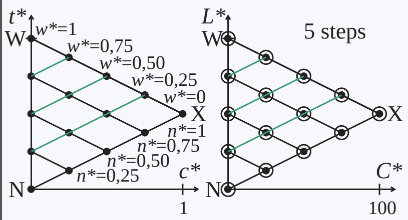


IE991−8N, 81

TUB registration: 20090901-IE99/IE99L0FP.PDF /.PS
application for measurement of printer or monitor systems, Yr=2.5, XYZ
TUB material: code=rha4ta

Colorimetric transformation *i*=0

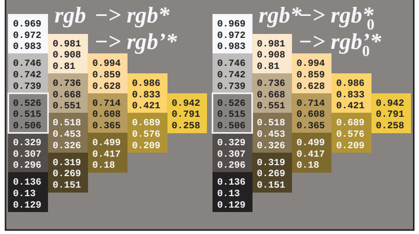
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



IE990−1N, 1

Colorimetric transformation *i*=0

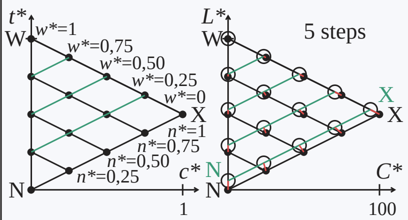
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



IE990−2N, 12

Colorimetric transformation *i*=1

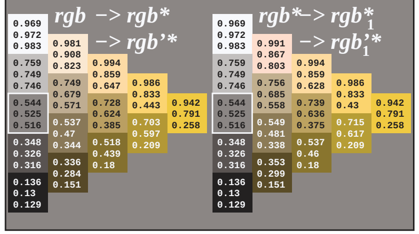
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



IE990−3N, 2

Colorimetric transformation *i*=1

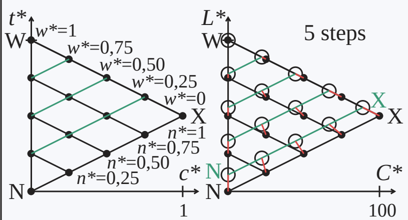
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



IE990−4N, 22

Colorimetric transformation *i*=2

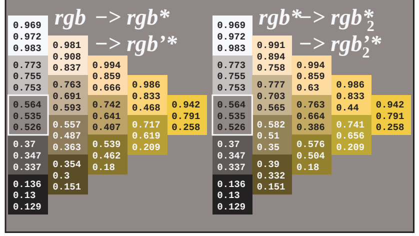
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



IE990−5N, 3

Colorimetric transformation *i*=2

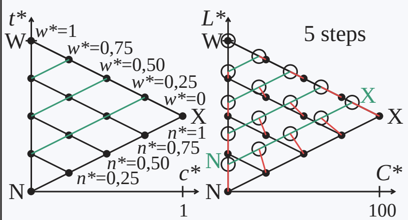
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



IE990−6N, 32

Colorimetric transformation *i*=3

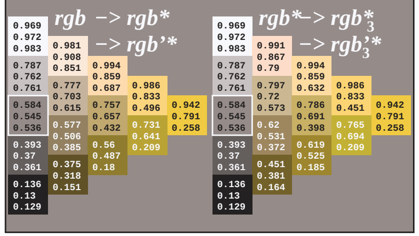
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



IE990−7N, 4

Colorimetric transformation *i*=3

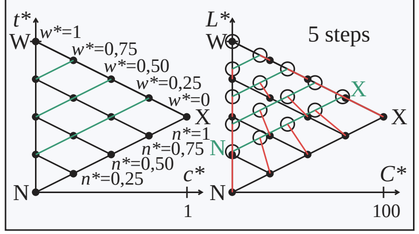
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



IE990−8N, 42

Colorimetric transformation *i*=4

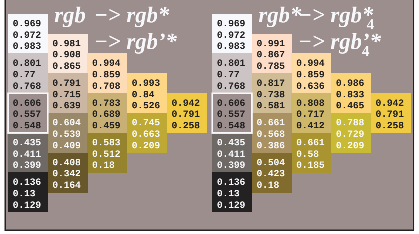
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



IE991−1N, 5

Colorimetric transformation *i*=4

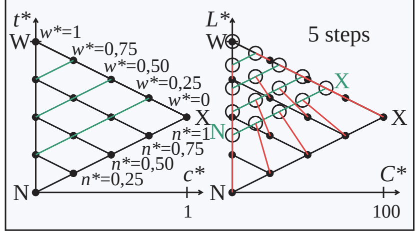
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



IE991−2N, 52

Colorimetric transformation *i*=5

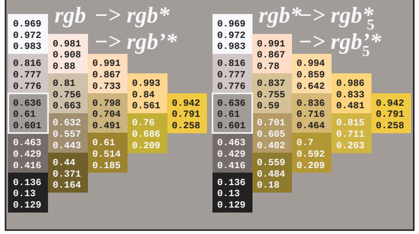
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



IE991−3N, 6

Colorimetric transformation *i*=5

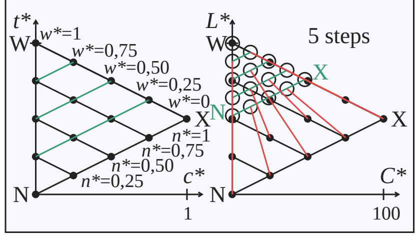
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



IE991−4N, 62

Colorimetric transformation *i*=6

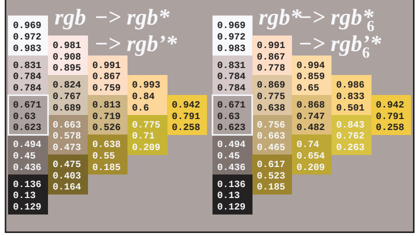
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



IE991−5N, 7

Colorimetric transformation *i*=6

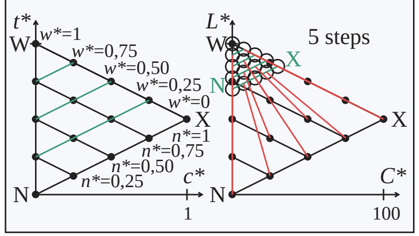
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



IE991−6N, 72

Colorimetric transformation *i*=7

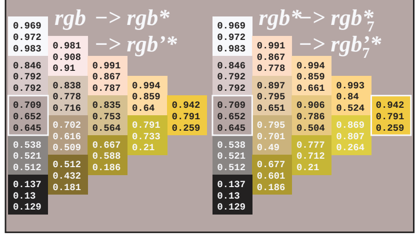
$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70



IE991−7N, 8

Colorimetric transformation *i*=7

$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70



IE991−8N, 82

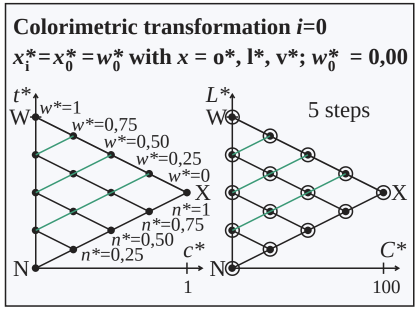
See original or copy: http://web.me.com/klaus.richter/IE99/IE99L0FP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20090901-IE99/IE99L0FP.PDF /.PS
application for measurement of printer or monitor systems, Yr=2.5, XYZ

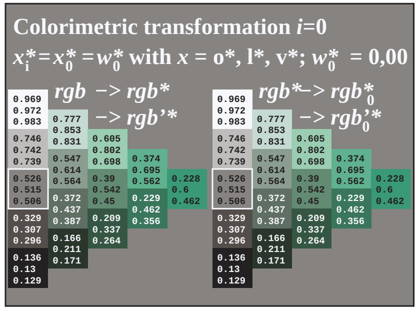
TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/IE99/IE99L0FP.PDF /.PS; linearized output
F: Output Linearization (OL) data IE99/IE99LE00FP.DAT in File (F)

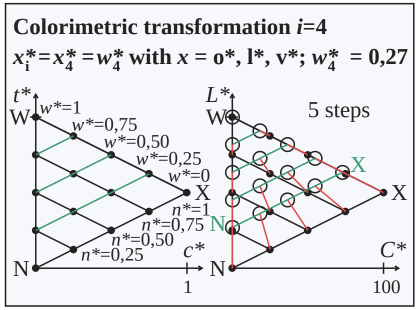
See original or copy: http://web.me.com/klaus.richter/IE99/IE99L0FP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik



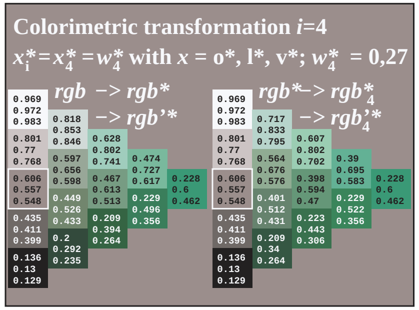
IE990−1N, 1



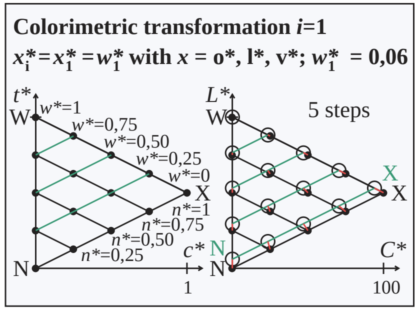
IE990−2N, 13



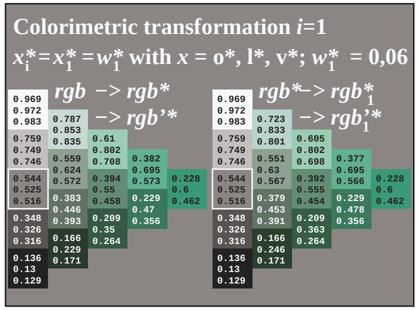
IE991−1N, 5



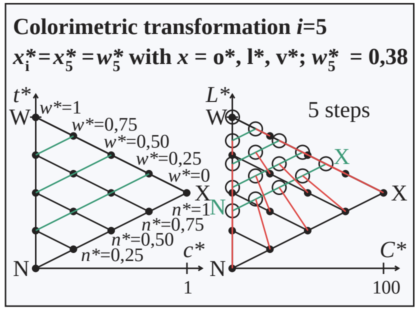
IE991−2N, 53



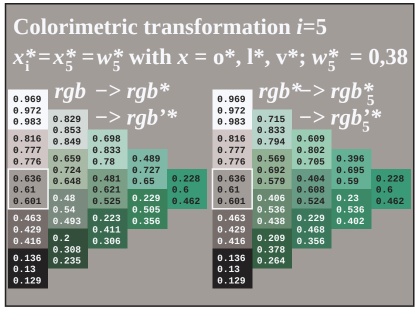
IE990−3N, 2



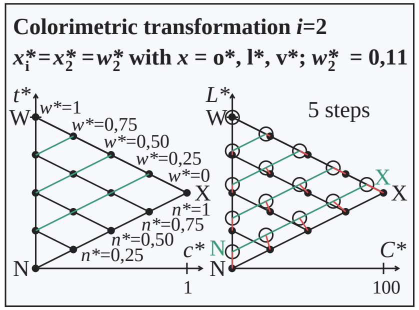
IE990−4N, 23



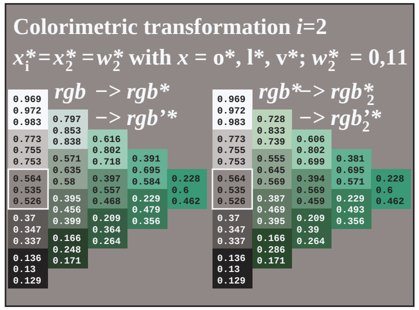
IE991−3N, 6



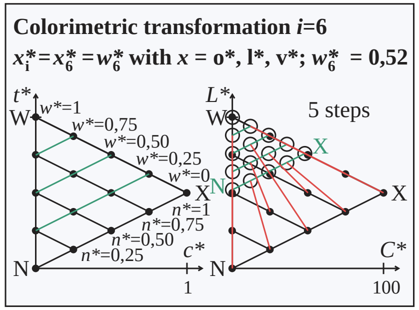
IE991−4N, 63



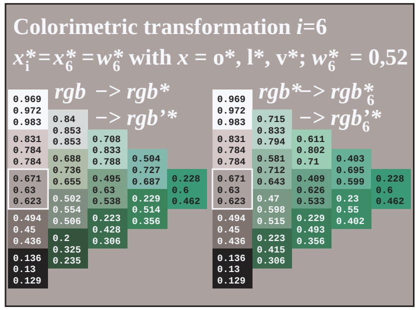
IE990−5N, 3



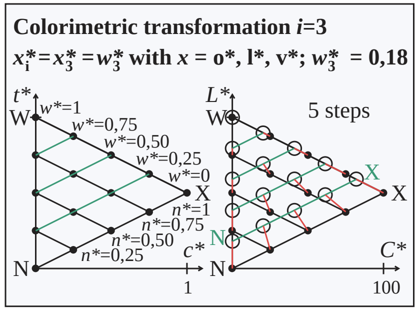
IE990−6N, 33



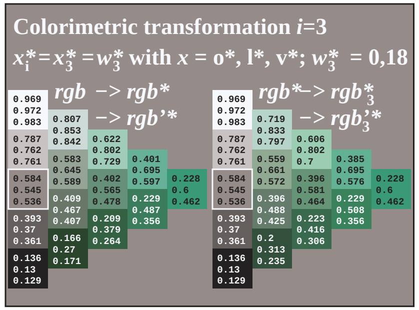
IE991−5N, 7



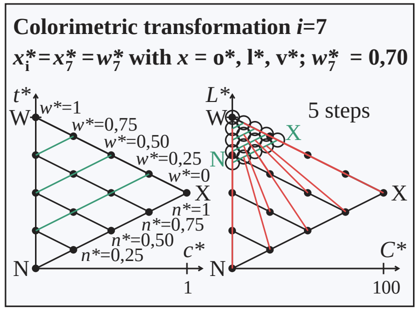
IE991−6N, 73



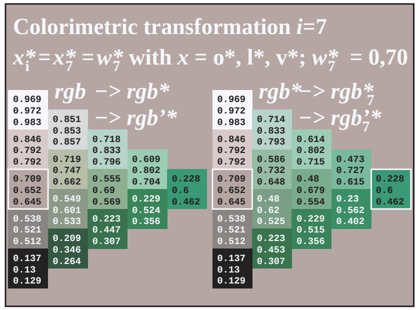
IE990−7N, 4



IE990−8N, 43



IE991−7N, 8



IE991−8N, 83

TUB registration: 20090901-IE99/IE99L0FP.PDF /.PS
application for measurement of printer or monitor systems, Yr=2.5, XYZ
TUB material: code=rha4ta

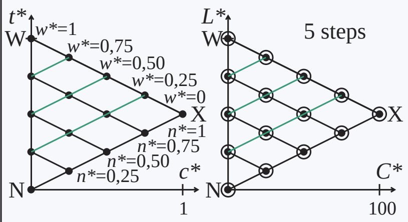
TUB-test chart IE99; Relative colour reproduction, Colour *L*
Colorimetric transformation of data *x* = *olv** by *n*

input: *rgb −> rgb* setrgbcolor*
output: *rgb'* setrgbcolor*

See original or copy: http://web.me.com/klaus.richter/IE99/IE99L0FP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

Colorimetric transformation *i*=0

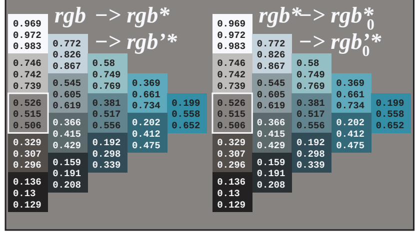
$x_i^* = x_0^* = w_0^*$ with x = o*, l*, v*; $w_0^* = 0{,}00$



IE990−1N, 1

Colorimetric transformation *i*=0

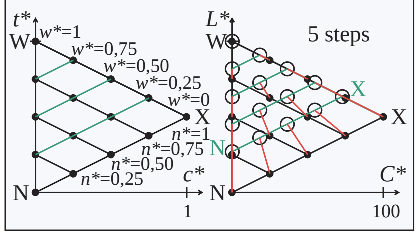
$x_i^* = x_0^* = w_0^*$ with x = o*, l*, v*; $w_0^* = 0{,}00$



IE990−2N, 14

Colorimetric transformation *i*=4

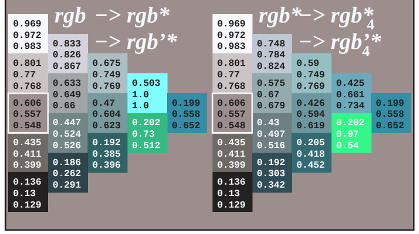
$x_i^* = x_4^* = w_4^*$ with x = o*, l*, v*; $w_4^* = 0{,}27$



IE991−1N, 5

Colorimetric transformation *i*=4

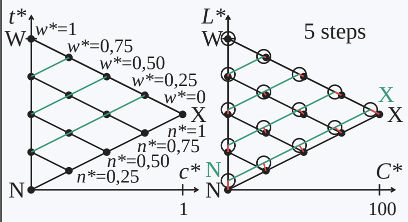
$x_i^* = x_4^* = w_4^*$ with x = o*, l*, v*; $w_4^* = 0{,}27$



IE991−2N, 54

Colorimetric transformation *i*=1

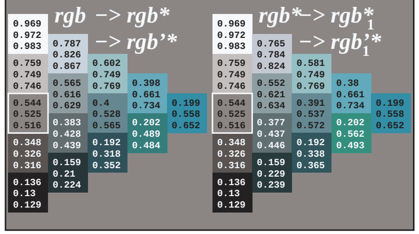
$x_i^* = x_1^* = w_1^*$ with x = o*, l*, v*; $w_1^* = 0{,}06$



IE990−3N, 2

Colorimetric transformation *i*=1

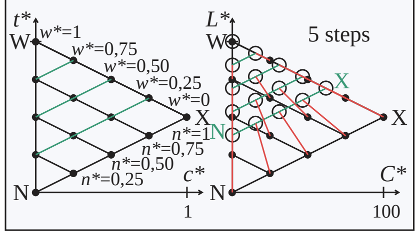
$x_i^* = x_1^* = w_1^*$ with x = o*, l*, v*; $w_1^* = 0{,}06$



IE990−4N, 24

Colorimetric transformation *i*=5

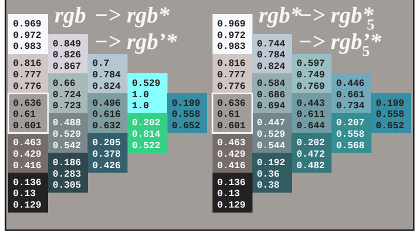
$x_i^* = x_5^* = w_5^*$ with x = o*, l*, v*; $w_5^* = 0{,}38$



IE991−3N, 6

Colorimetric transformation *i*=5

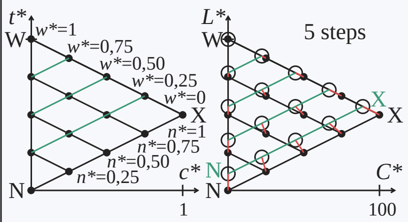
$x_i^* = x_5^* = w_5^*$ with x = o*, l*, v*; $w_5^* = 0{,}38$



IE991−4N, 64

Colorimetric transformation *i*=2

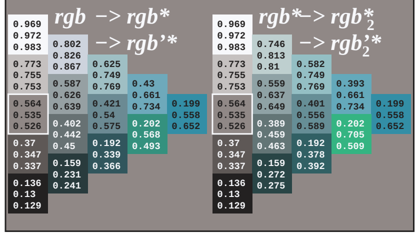
$x_i^* = x_2^* = w_2^*$ with x = o*, l*, v*; $w_2^* = 0{,}11$



IE990−5N, 3

Colorimetric transformation *i*=2

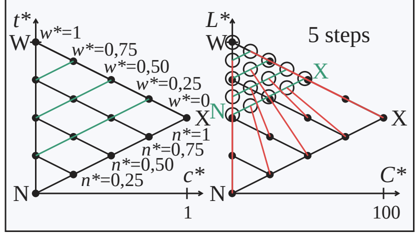
$x_i^* = x_2^* = w_2^*$ with x = o*, l*, v*; $w_2^* = 0{,}11$



IE990−6N, 34

Colorimetric transformation *i*=6

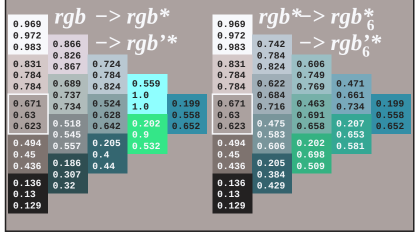
$x_i^* = x_6^* = w_6^*$ with x = o*, l*, v*; $w_6^* = 0{,}52$



IE991−5N, 7

Colorimetric transformation *i*=6

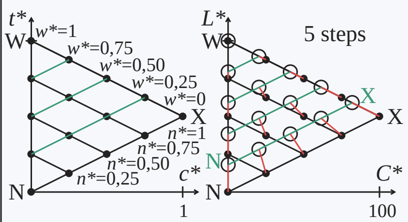
$x_i^* = x_6^* = w_6^*$ with x = o*, l*, v*; $w_6^* = 0{,}52$



IE991−6N, 74

Colorimetric transformation *i*=3

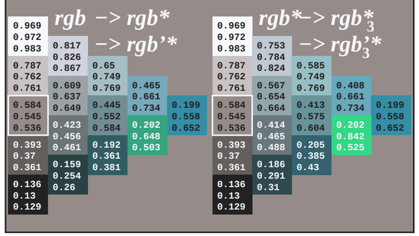
$x_i^* = x_3^* = w_3^*$ with x = o*, l*, v*; $w_3^* = 0{,}18$



IE990−7N, 4

Colorimetric transformation *i*=3

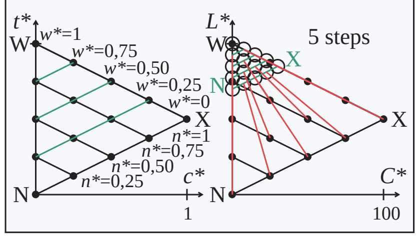
$x_i^* = x_3^* = w_3^*$ with x = o*, l*, v*; $w_3^* = 0{,}18$



IE990−8N, 44

Colorimetric transformation *i*=7

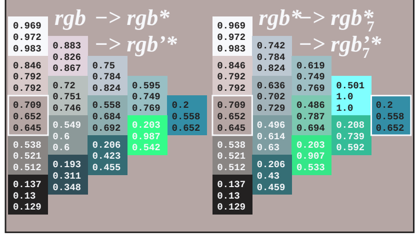
$x_i^* = x_7^* = w_7^*$ with x = o*, l*, v*; $w_7^* = 0{,}70$



IE991−7N, 8

Colorimetric transformation *i*=7

$x_i^* = x_7^* = w_7^*$ with x = o*, l*, v*; $w_7^* = 0{,}70$

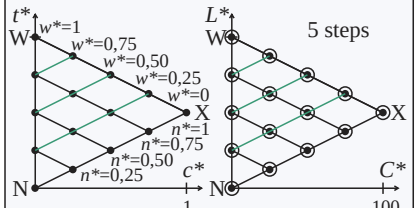


IE991−8N, 84

TUB registration: 20090901-IE99/IE99L0FP.PDF /.PS
application for measurement of printer or monitor systems, Yr=2.5, XYZ
TUB material: code=rha4ta

Colorimetric transformation *i*=0

$x_i^*=x_0^*=w_0^*$ with x = o*, l*, v*; w_0^* = 0,00



IE990−1N, 1

Colorimetric transformation *i*=0

$x_i^*=x_0^*=w_0^*$ with x = o*, l*, v*; w_0^* = 0,00

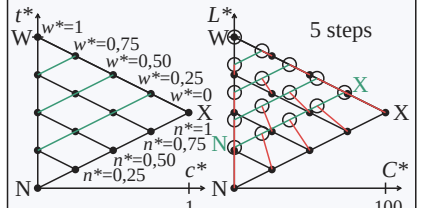
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_0^*$ −> *rgb'*$_0^*$

0.969	0.788			0.969	0.788																		
0.972	0.776			0.972	0.776																		
0.983	0.851			0.983	0.851																		
0.746	0.624			0.746	0.624																		
0.742	0.617			0.742	0.617																		
0.739	0.747	0.49		0.739	0.747	0.49																	
0.567	0.559	0.478		0.567	0.559	0.478																	
0.526	0.609	0.419	0.679	0.301	0.526	0.609	0.419	0.679	0.301														
0.515	0.412	0.527	0.249	0.295	0.515	0.412	0.527	0.249	0.295														
0.506	0.384	0.237	0.411	0.58	0.506	0.384	0.237	0.411	0.58														
0.377	0.428	0.201		0.329	0.377	0.428	0.201																
0.307	0.196	0.304		0.307	0.196	0.304																	
0.296	0.164			0.296	0.164																		
0.136	0.149			0.136	0.149																		
0.13	0.196			0.13	0.196																		
0.129				0.129																			

IE990−2N, 15

Colorimetric transformation *i*=4

$x_i^*=x_4^*=w_4^*$ with x = o*, l*, v*; w_4^* = 0,27



IE991−1N, 5

Colorimetric transformation *i*=4

$x_i^*=x_4^*=w_4^*$ with x = o*, l*, v*; w_4^* = 0,27

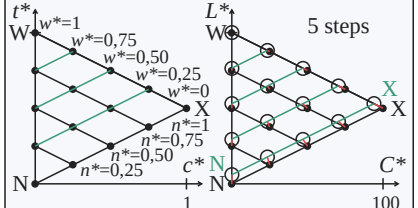
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_4^*$ −> *rgb'*$_4^*$

0.969	0.81			0.969	0.751																		
0.972	0.787			0.972	0.72																		
0.983	0.851			0.983	0.816																		
0.801	0.663			0.801	0.628																		
0.77	0.634			0.77	0.619																		
0.768	0.747	0.565		0.768	0.747	0.507																	
0.599	0.578	0.551		0.578	0.566	0.482																	
0.606	0.65	0.51	0.718	0.301	0.606	0.67	0.438	0.679	0.301														
0.557	0.501	0.609	0.249	0.295	0.557	0.548	0.419	0.592	0.249	0.295													
0.548	0.451	0.237	0.445	0.58	0.548	0.422	0.398	0.498	0.237	0.58													
0.434	0.519	0.201		0.435	0.22	0.471																	
0.411	0.196	0.348		0.411	0.216	0.393																	
0.399	0.188			0.399	0.201																		
0.136	0.179			0.136	0.196																		
0.13	0.255			0.13	0.307																		
0.129				0.129																			

IE991−2N, 55

Colorimetric transformation *i*=1

$x_i^*=x_1^*=w_1^*$ with x = o*, l*, v*; w_1^* = 0,06



IE990−3N, 2

Colorimetric transformation *i*=1

$x_i^*=x_1^*=w_1^*$ with x = o*, l*, v*; w_1^* = 0,06

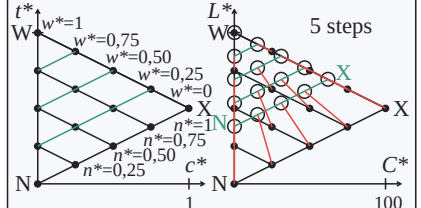
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_1^*$ −> *rgb'*$_1^*$

0.969	0.793			0.969	0.759																		
0.972	0.779			0.972	0.723																		
0.983	0.851			0.983	0.816																		
0.759	0.633			0.759	0.624																		
0.749	0.621			0.749	0.617																		
0.746	0.747	0.499		0.746	0.747	0.493																	
0.574	0.563	0.48		0.569	0.56	0.479																	
0.544	0.619	0.427	0.679	0.301	0.544	0.624	0.423	0.679	0.301														
0.525	0.415	0.537	0.249	0.295	0.525	0.413	0.544	0.249	0.295														
0.516	0.381	0.237	0.419	0.58	0.516	0.389	0.379	0.442	0.237	0.58													
0.437	0.201			0.348	0.379	0.201																	
0.326	0.196	0.314		0.326	0.196	0.324																	
0.316	0.164			0.316	0.164																		
0.136	0.149			0.136	0.149																		
0.13	0.208			0.13	0.221																		
0.129				0.129																			

IE990−4N, 25

Colorimetric transformation *i*=5

$x_i^*=x_5^*=w_5^*$ with x = o*, l*, v*; w_5^* = 0,38



IE991−3N, 6

Colorimetric transformation *i*=5

$x_i^*=x_5^*=w_5^*$ with x = o*, l*, v*; w_5^* = 0,38

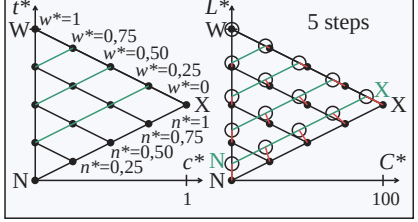
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_5^*$ −> *rgb'*$_5^*$

0.969	0.816			0.969	0.749																		
0.972	0.79			0.972	0.719																		
0.983	0.851			0.983	0.816																		
0.816	0.729			0.816	0.631																		
0.777	0.712			0.777	0.62																		
0.776	0.816	0.628		0.776	0.747	0.514																	
0.655	0.641	0.555		0.582	0.568	0.483																	
0.636	0.716	0.52	0.718	0.301	0.636	0.685	0.48	0.679	0.301														
0.61	0.506	0.617	0.249	0.295	0.61	0.601	0.455	0.607	0.266	0.295													
0.601	0.488	0.237	0.454	0.58	0.601	0.429	0.402	0.521	0.249	0.58													
0.482	0.22			0.463	0.257	0.49																	
0.535	0.216	0.363		0.463	0.429	0.416																	
0.416	0.188			0.201	0.237	0.417																	
0.136	0.179			0.136	0.196																		
0.13	0.272			0.13	0.335																		
0.129				0.129																			

IE991−4N, 65

Colorimetric transformation *i*=2

$x_i^*=x_2^*=w_2^*$ with x = o*, l*, v*; w_2^* = 0,11



IE990−5N, 3

Colorimetric transformation *i*=2

$x_i^*=x_2^*=w_2^*$ with x = o*, l*, v*; w_2^* = 0,11

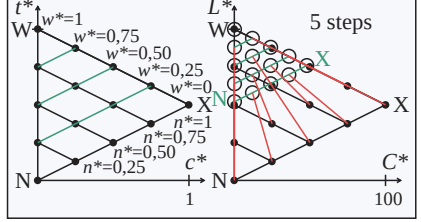
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_2^*$ −> *rgb'*$_2^*$

0.969	0.799			0.969	0.722																		
0.972	0.781			0.972	0.7																		
0.983	0.851			0.983	0.816																		
0.773	0.642			0.773	0.625																		
0.755	0.625			0.755	0.617																		
0.753	0.747	0.508		0.753	0.747	0.497																	
0.582	0.568	0.482		0.572	0.562	0.48																	
0.564	0.629	0.436	0.679	0.301	0.564	0.639	0.428	0.679	0.301														
0.535	0.418	0.546	0.249	0.295	0.535	0.415	0.56	0.249	0.295														
0.526	0.399	0.237	0.428	0.58	0.526	0.394	0.382	0.457	0.237	0.58													
0.385	0.201			0.37	0.457	0.201																	
0.347	0.196	0.325		0.347	0.196	0.345																	
0.337	0.164			0.337	0.164																		
0.136	0.149			0.136	0.149																		
0.13	0.222			0.13	0.249																		
0.129				0.129																			

IE990−6N, 35

Colorimetric transformation *i*=6

$x_i^*=x_6^*=w_6^*$ with x = o*, l*, v*; w_6^* = 0,52



IE991−5N, 7

Colorimetric transformation *i*=6

$x_i^*=x_6^*=w_6^*$ with x = o*, l*, v*; w_6^* = 0,52

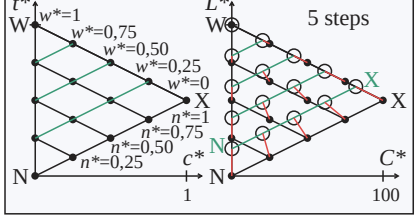
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_6^*$ −> *rgb'*$_6^*$

0.969	0.822			0.969	0.748																		
0.972	0.793			0.972	0.719																		
0.983	0.851			0.983	0.816																		
0.831	0.74			0.831	0.635																		
0.784	0.716			0.784	0.622																		
0.784	0.816	0.699		0.784	0.747	0.521																	
0.669	0.648	0.558		0.616	0.602	0.485																	
0.671	0.727	0.532	0.718	0.301	0.671	0.696	0.489	0.679	0.301														
0.63	0.512	0.624	0.249	0.295	0.63	0.623	0.457	0.622	0.266	0.295													
0.502	0.491	0.237	0.463	0.58	0.502	0.502	0.596	0.249	0.58														
0.551	0.22			0.494	0.237	0.442																	
0.45	0.216	0.379		0.45	0.436	0.509																	
0.436	0.188			0.22	0.266																		
0.136	0.179			0.136	0.216																		
0.13	0.29			0.13	0.367																		
0.129				0.129																			

IE991−6N, 75

Colorimetric transformation *i*=3

$x_i^*=x_3^*=w_3^*$ with x = o*, l*, v*; w_3^* = 0,18



IE990−7N, 4

Colorimetric transformation *i*=3

$x_i^*=x_3^*=w_3^*$ with x = o*, l*, v*; w_3^* = 0,18

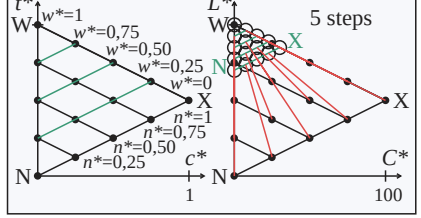
rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_3^*$ −> *rgb'*$_3^*$

0.969	0.804			0.969	0.753																		
0.972	0.784			0.972	0.721																		
0.983	0.851			0.983	0.816																		
0.787	0.652			0.787	0.626																		
0.762	0.629			0.762	0.618																		
0.761	0.747	0.519		0.761	0.747	0.502																	
0.591	0.573	0.485		0.575	0.564	0.481																	
0.584	0.639	0.446	0.679	0.301	0.584	0.655	0.433	0.679	0.301														
0.545	0.422	0.556	0.249	0.295	0.545	0.417	0.577	0.249	0.295														
0.536	0.407	0.237	0.436	0.58	0.536	0.415	0.395	0.475	0.237	0.58													
0.389	0.201			0.393	0.22	0.457																	
0.37	0.196	0.336		0.37	0.216	0.368																	
0.361	0.164			0.361	0.188																		
0.136	0.149			0.136	0.179																		
0.13	0.238			0.13	0.277																		
0.129				0.129																			

IE990−8N, 45

Colorimetric transformation *i*=7

$x_i^*=x_7^*=w_7^*$ with x = o*, l*, v*; w_7^* = 0,70



IE991−7N, 8

Colorimetric transformation *i*=7

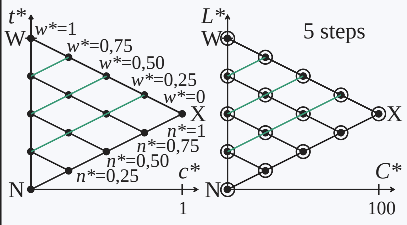
$x_i^*=x_7^*=w_7^*$ with x = o*, l*, v*; w_7^* = 0,70

rgb −> *rgb** −> *rgb'** | *rgb** −> *rgb*$_7^*$ −> *rgb'*$_7^*$

0.969	0.828			0.969	0.748																		
0.972	0.796			0.972	0.719																		
0.983	0.851			0.983	0.816																		
0.846	0.752			0.846	0.64																		
0.792	0.72			0.792	0.624																		
0.792	0.816	0.63		0.792	0.747	0.561																	
0.684	0.654	0.62		0.622	0.604	0.551																	
0.709	0.572	0.562	0.747	0.301	0.709	0.707	0.535	0.718	0.301														
0.652	0.738	0.553	0.249	0.295	0.652	0.52	0.523	0.671	0.266	0.295													
0.645	0.562	0.535	0.683	0.237	0.58	0.645	0.506	0.615	0.249	0.257	0.58												
0.538	0.595	0.221		0.538	0.237	0.527																	
0.521	0.216	0.397		0.521	0.464																		
0.512	0.202	0.196		0.512	0.221																		
0.137	0.311			0.137	0.216																		
0.13				0.13	0.402																		
0.129				0.129																			

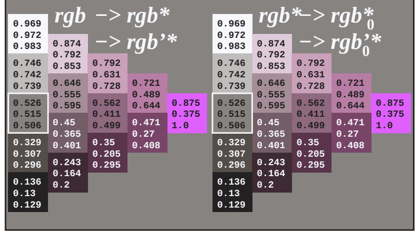
IE991−8N, 85

Colorimetric transformation *i*=0
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



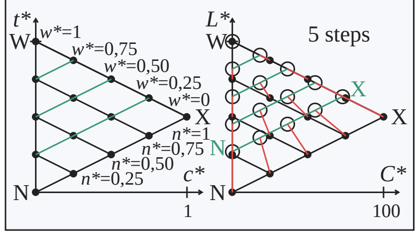
IE990−1N, 1

Colorimetric transformation *i*=0
$x^*_i = x^*_0 = w^*_0$ with x = o*, l*, v*; w^*_0 = 0,00



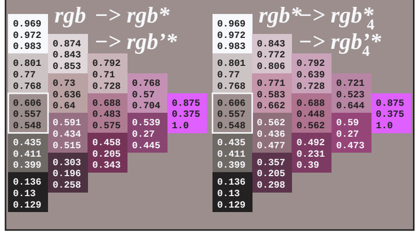
IE990−2N, 16

Colorimetric transformation *i*=4
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



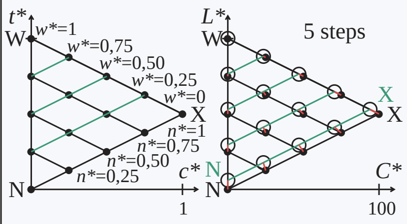
IE991−1N, 5

Colorimetric transformation *i*=4
$x^*_i = x^*_4 = w^*_4$ with x = o*, l*, v*; w^*_4 = 0,27



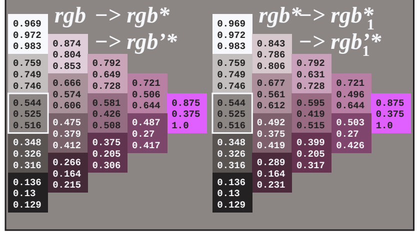
IE991−2N, 56

Colorimetric transformation *i*=1
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



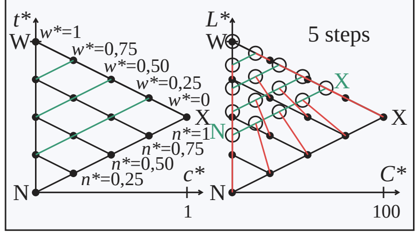
IE990−3N, 2

Colorimetric transformation *i*=1
$x^*_i = x^*_1 = w^*_1$ with x = o*, l*, v*; w^*_1 = 0,06



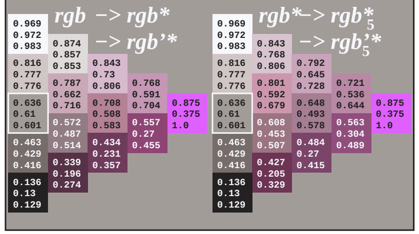
IE990−4N, 26

Colorimetric transformation *i*=5
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



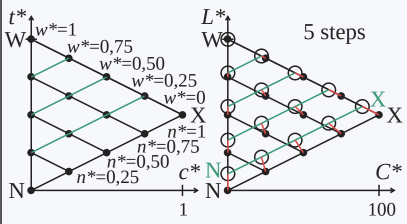
IE991−3N, 6

Colorimetric transformation *i*=5
$x^*_i = x^*_5 = w^*_5$ with x = o*, l*, v*; w^*_5 = 0,38



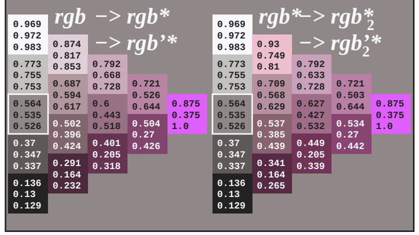
IE991−4N, 66

Colorimetric transformation *i*=2
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



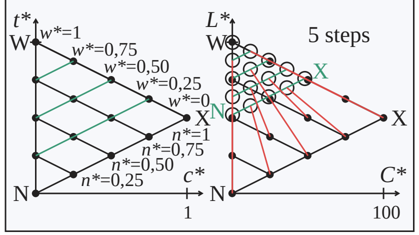
IE990−5N, 3

Colorimetric transformation *i*=2
$x^*_i = x^*_2 = w^*_2$ with x = o*, l*, v*; w^*_2 = 0,11



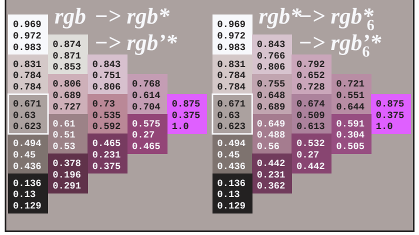
IE990−6N, 36

Colorimetric transformation *i*=6
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



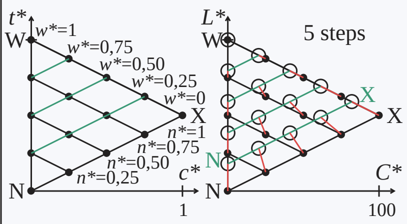
IE991−5N, 7

Colorimetric transformation *i*=6
$x^*_i = x^*_6 = w^*_6$ with x = o*, l*, v*; w^*_6 = 0,52



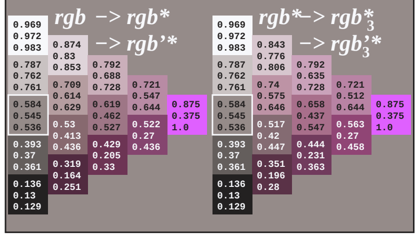
IE991−6N, 76

Colorimetric transformation *i*=3
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



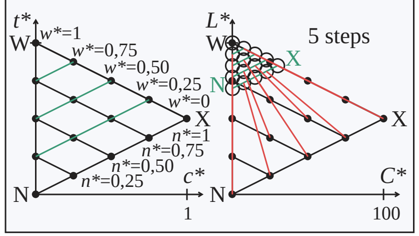
IE990−7N, 4

Colorimetric transformation *i*=3
$x^*_i = x^*_3 = w^*_3$ with x = o*, l*, v*; w^*_3 = 0,18



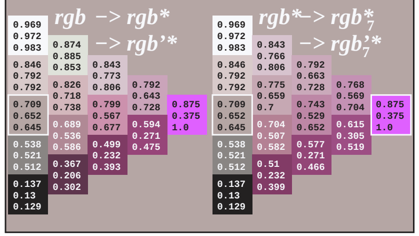
IE990−8N, 46

Colorimetric transformation *i*=7
$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70



IE991−7N, 8

Colorimetric transformation *i*=7
$x^*_i = x^*_7 = w^*_7$ with x = o*, l*, v*; w^*_7 = 0,70



IE991−8N, 86

TUB-test chart IE99; Relative colour reproduction, Colour *M*
Colorimetric transformation of data *x* = *olv** by *n*

input: *rgb −> rgb* setrgbcolor*
output: *rgb'* setrgbcolor*

See original or copy: http://web.me.com/klaus.richter/IE99/IE99L0FP.PDF /.PS
Technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20090901-IE99/IE99L0FP.PDF /.PS
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TUB material: code=rha4ta