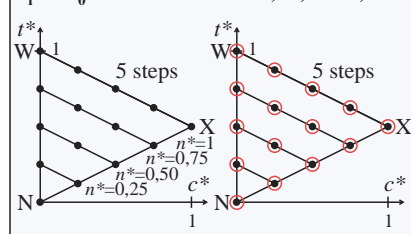
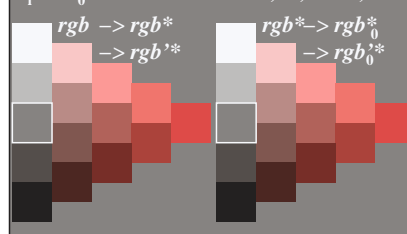


Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



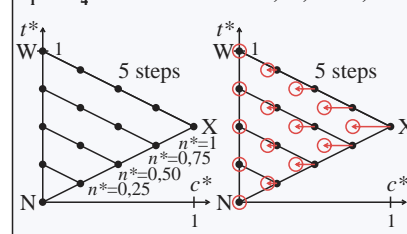
IE900-1N, 1

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



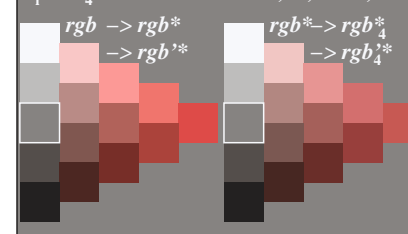
IE900-2N, 11

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



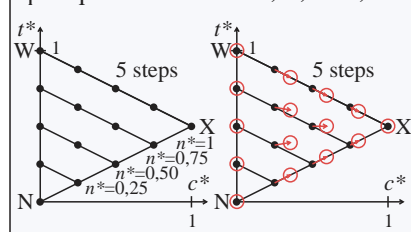
IE901-1N, 5

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



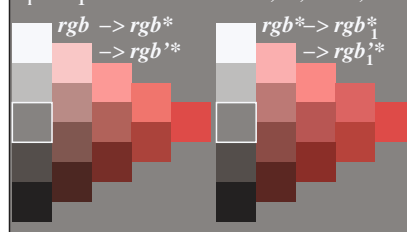
IE901-2N, 51

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



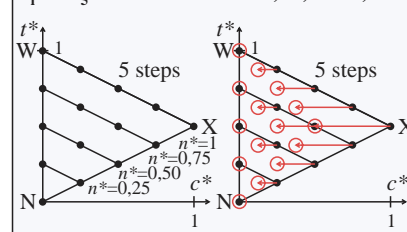
IE900-3N, 2

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



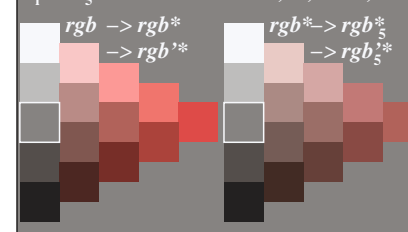
IE900-4N, 21

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



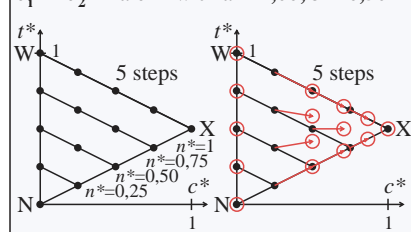
IE901-3N, 6

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



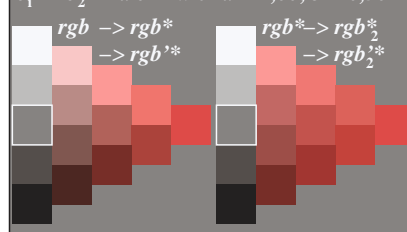
IE901-4N, 61

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



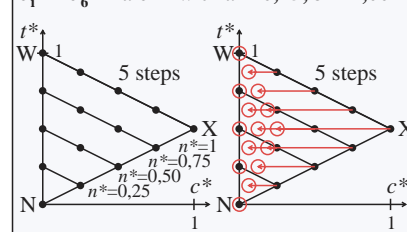
IE900-5N, 3

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



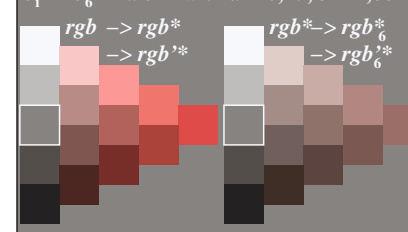
IE900-6N, 31

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



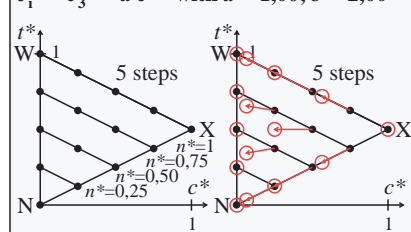
IE901-5N, 7

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



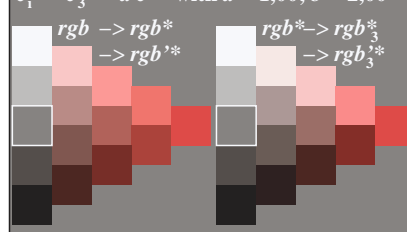
IE901-6N, 71

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



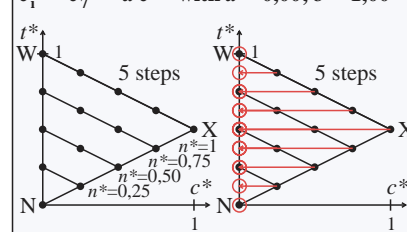
IE900-7N, 4

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



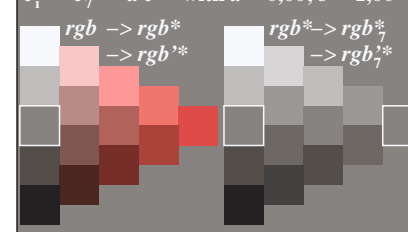
IE900-8N, 41

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-7N, 8

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$

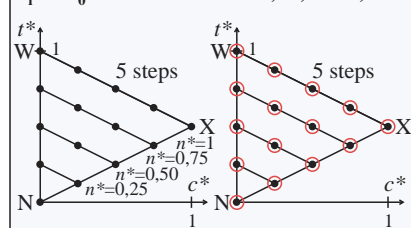


IE901-8N, 81

TUB-test chart IE90; Relative colour reproduction, Colour  $O$   
Colorimetric transformation of relative chroma  $c^*$  by  $a, b$

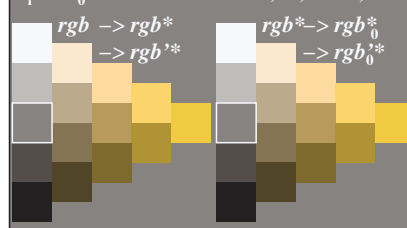
input:  $rgb \rightarrow rgb^*$  setrgbcolor  
output:  $rgb^* \rightarrow rgb'$  setrgbcolor

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



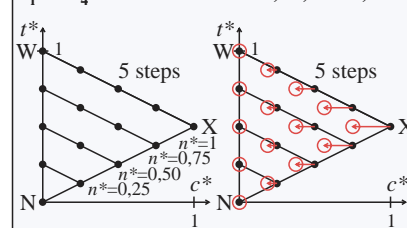
IE900-1N, 1

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



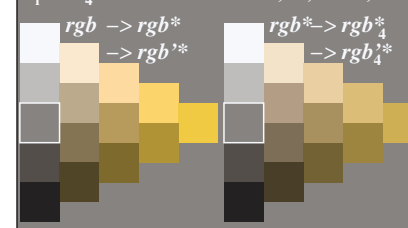
IE900-2N, 12

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



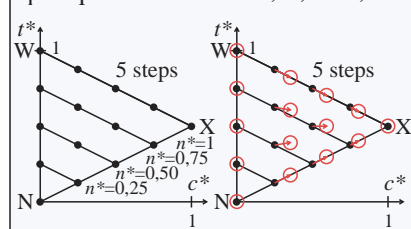
IE901-1N, 5

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



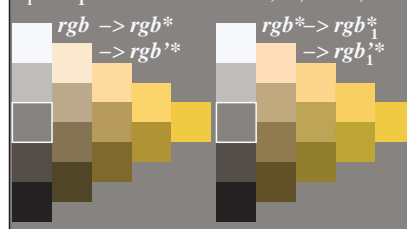
IE901-2N, 52

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



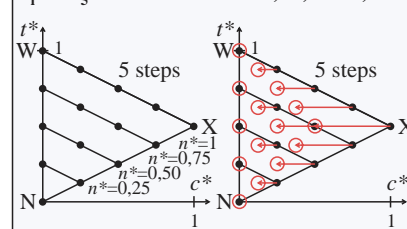
IE900-3N, 2

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



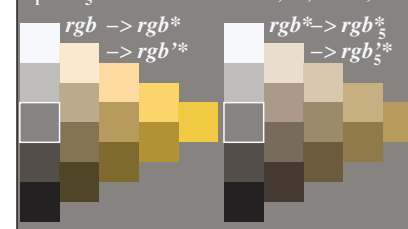
IE900-4N, 22

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



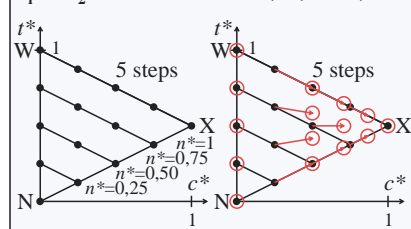
IE901-3N, 6

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



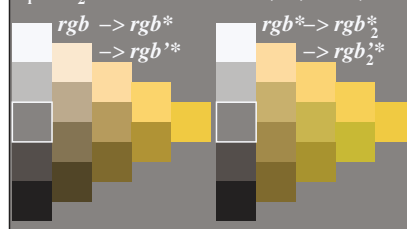
IE901-4N, 62

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



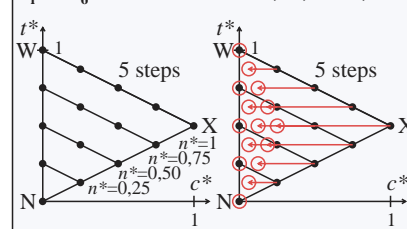
IE900-5N, 3

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



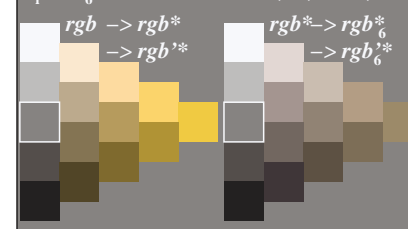
IE900-6N, 32

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



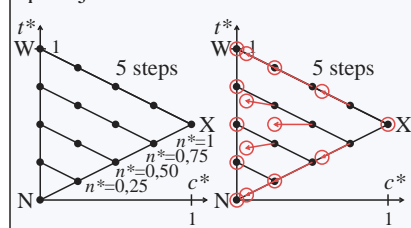
IE901-5N, 7

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



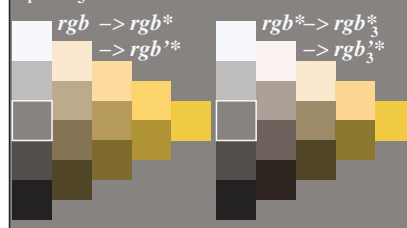
IE901-6N, 72

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



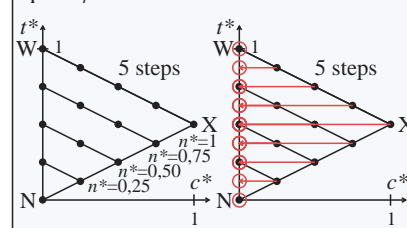
IE900-7N, 4

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



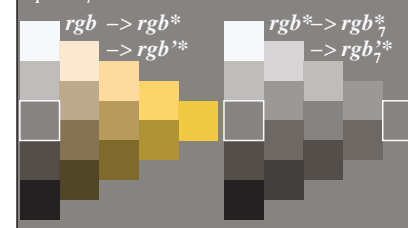
IE900-8N, 42

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-7N, 8

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$

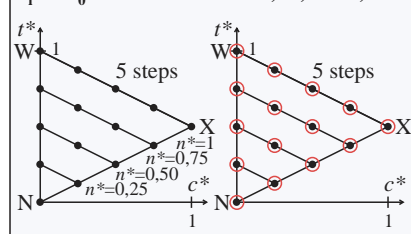


IE901-8N, 82

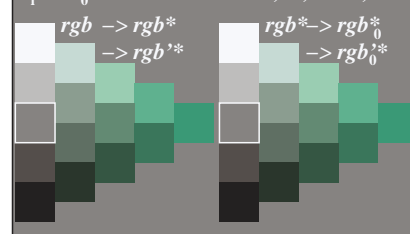
TUB-test chart IE90; Relative colour reproduction, Colour Y  
Colorimetric transformation of relative chroma  $c^*$  by  $a, b$

input:  $rgb \rightarrow rgb^*$  setrgbcolor  
output:  $rgb^* \rightarrow rgb'$  setrgbcolor

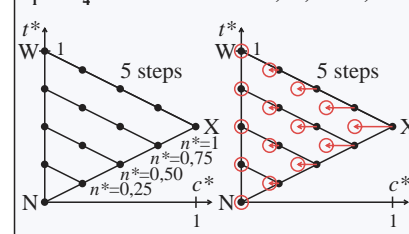
Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



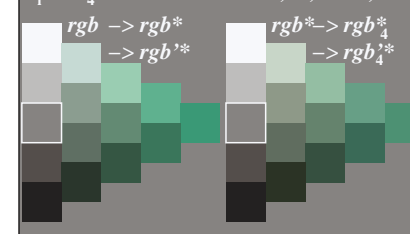
Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



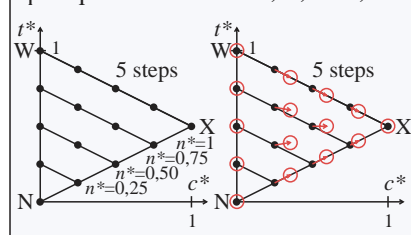
Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



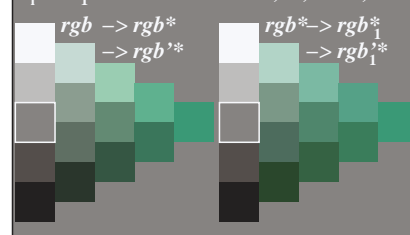
Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



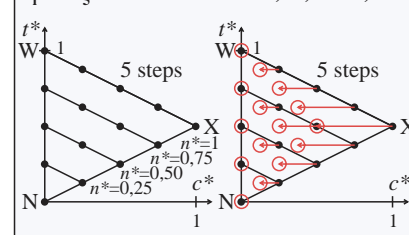
Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



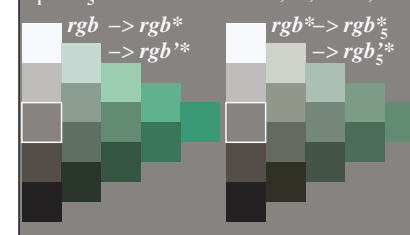
Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



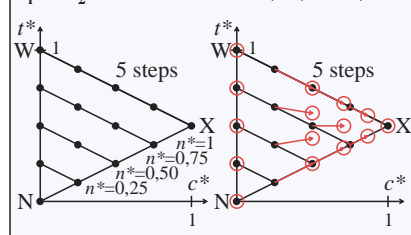
Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



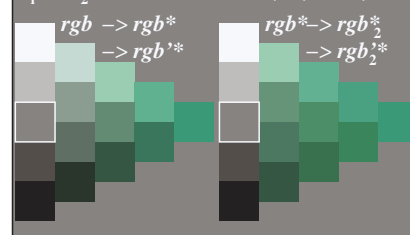
Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



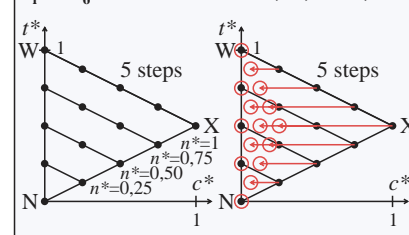
Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



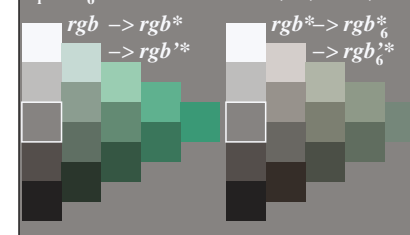
Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



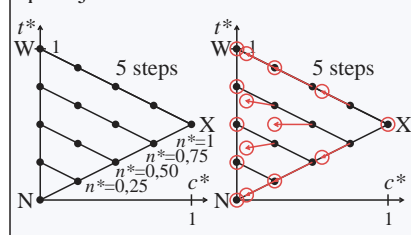
Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



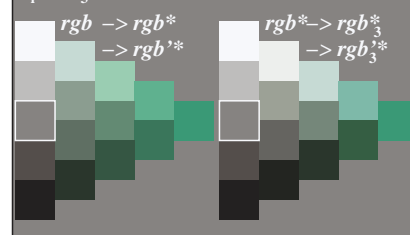
Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



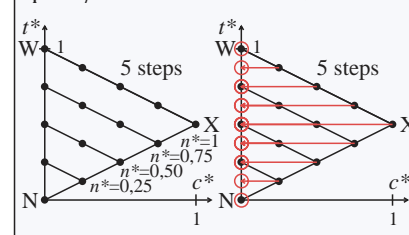
Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



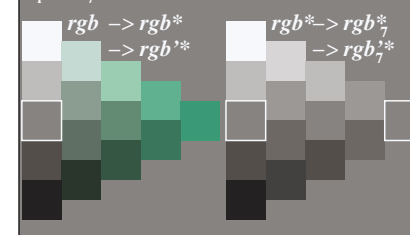
Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



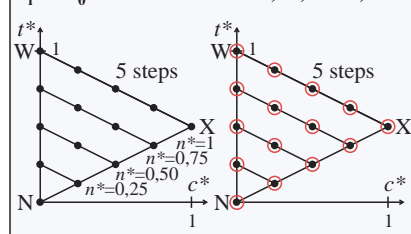
Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



TUB-test chart IE90; Relative colour reproduction, Colour L  
Colorimetric transformation of relative chroma  $c^*$  by  $a$ ,  $b$

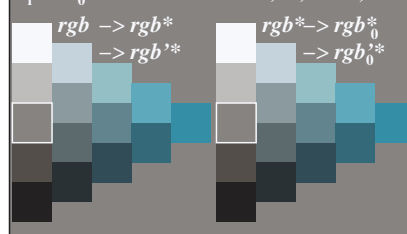
input:  $rgb \rightarrow rgb^*$  setrgbcolor  
output:  $rgb^* \rightarrow rgb$  setrgbcolor

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



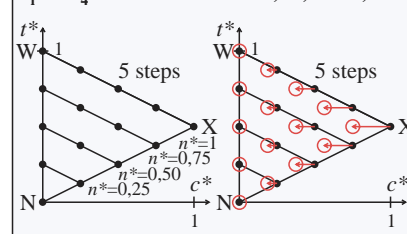
IE900-1N, 1

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



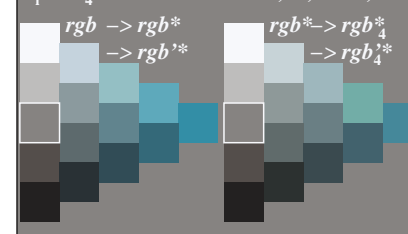
IE900-2N, 14

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



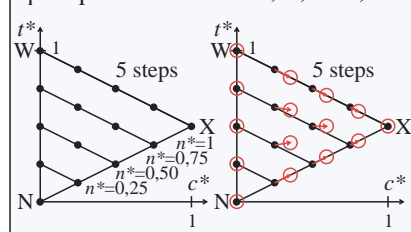
IE901-1N, 5

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



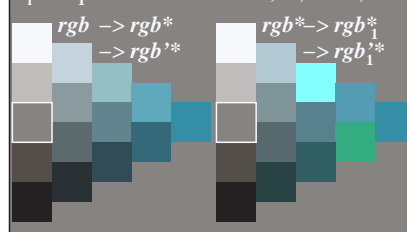
IE901-2N, 54

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



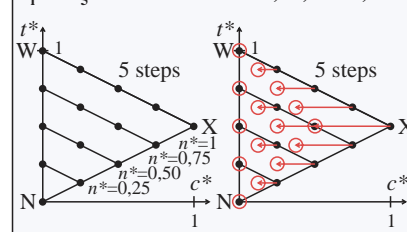
IE900-3N, 2

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



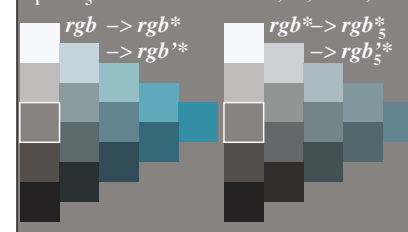
IE900-4N, 24

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



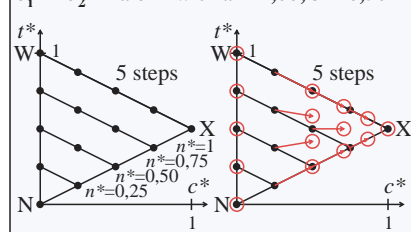
IE901-3N, 6

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



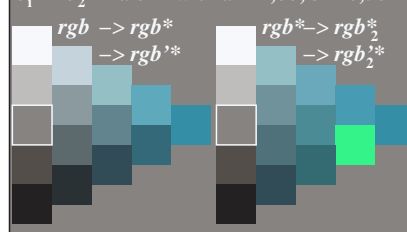
IE901-4N, 64

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



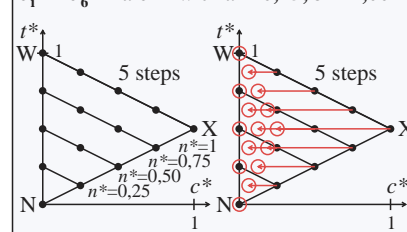
IE900-5N, 3

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



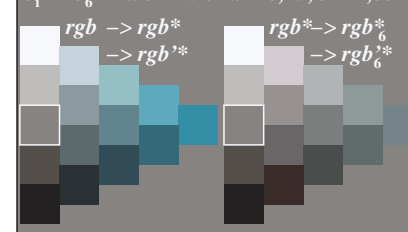
IE900-6N, 34

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



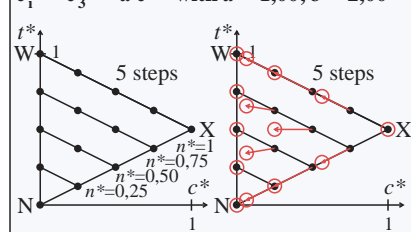
IE901-5N, 7

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



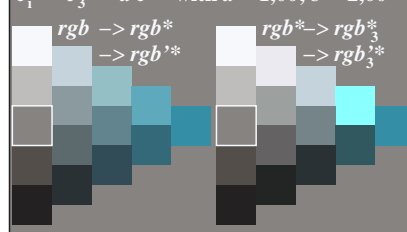
IE901-6N, 74

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



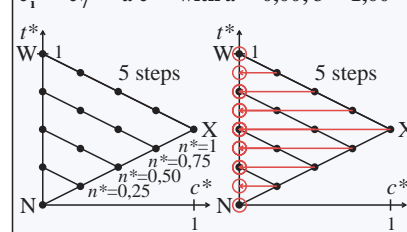
IE900-7N, 4

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



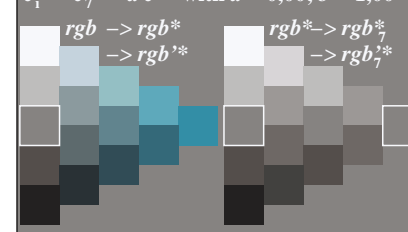
IE900-8N, 44

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-7N, 8

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$

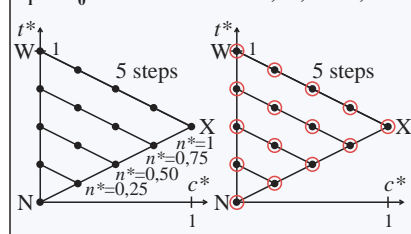


IE901-8N, 84

TUB-test chart IE90; Relative colour reproduction, Colour C  
Colorimetric transformation of relative chroma  $c^*$  by  $a$ ,  $b$

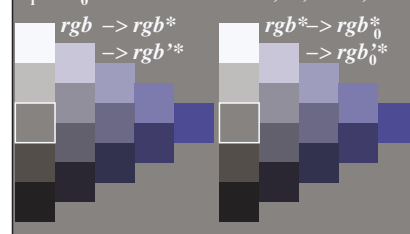
input:  $rgb \rightarrow rgb^*$  setrgbcolor  
output:  $rgb'^*$  setrgbcolor

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



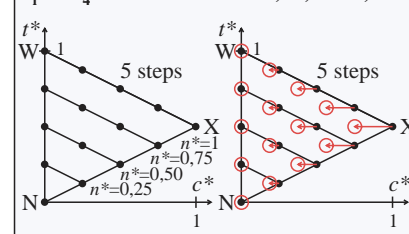
IE900-1N, 1

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



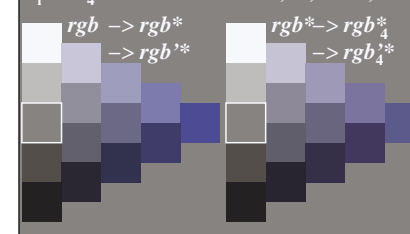
IE900-2N, 15

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



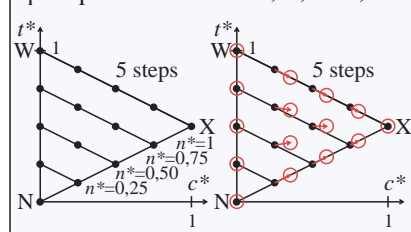
IE901-1N, 5

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



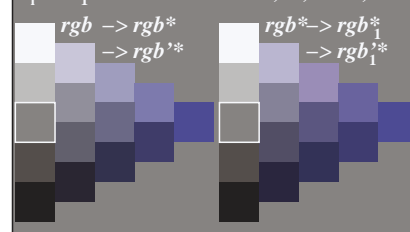
IE901-2N, 55

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



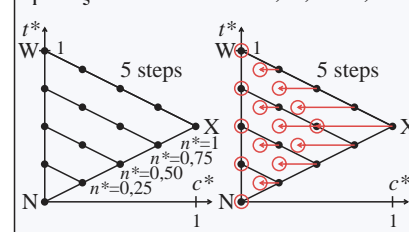
IE900-3N, 2

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



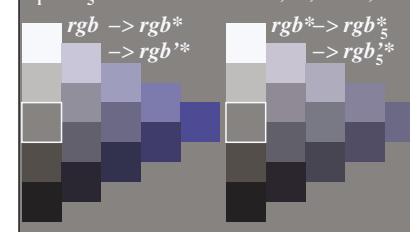
IE900-4N, 25

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



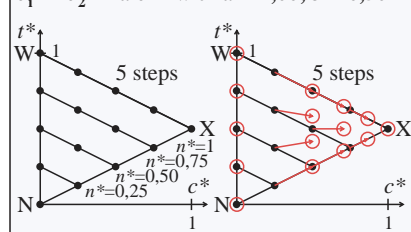
IE901-3N, 6

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



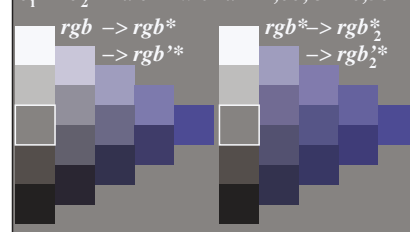
IE901-4N, 65

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



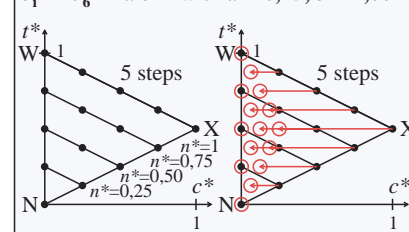
IE900-5N, 3

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



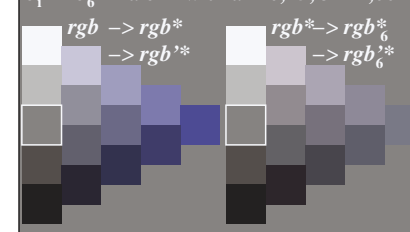
IE900-6N, 35

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



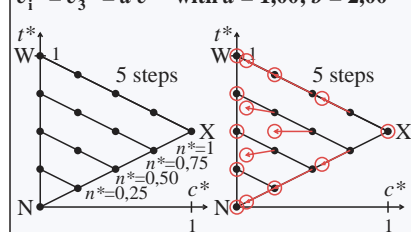
IE901-5N, 7

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



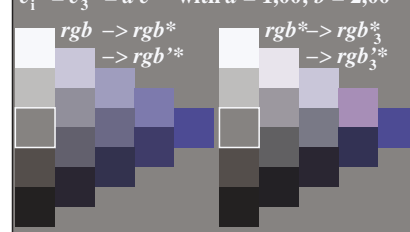
IE901-6N, 75

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



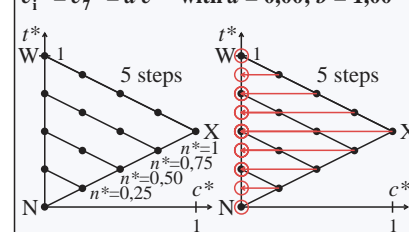
IE900-7N, 4

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



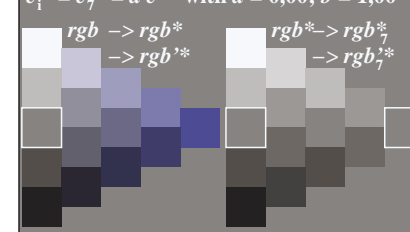
IE900-8N, 45

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-7N, 8

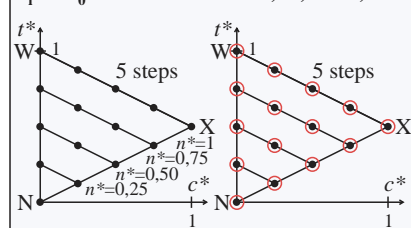
Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-8N, 85

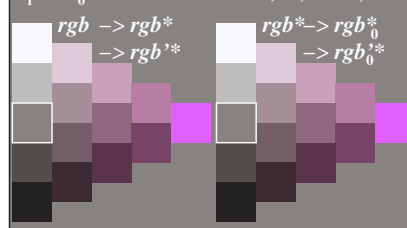


Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



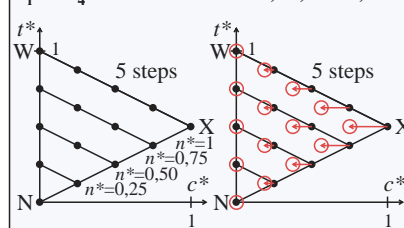
IE900-1N, 1

Colorimetric transformation  $i = 0$   
 $c_i^* = c_0^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 1,00$



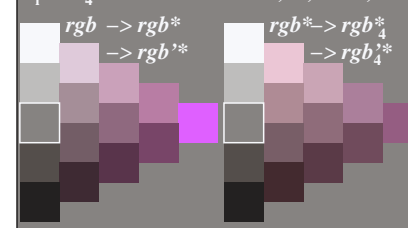
IE900-2N, 16

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



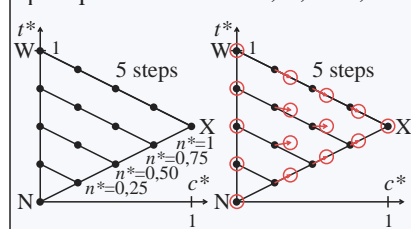
IE901-1N, 5

Colorimetric transformation  $i = 4$   
 $c_i^* = c_4^* = a c^{*b}$  with  $a = 0,75$ ;  $b = 1,00$



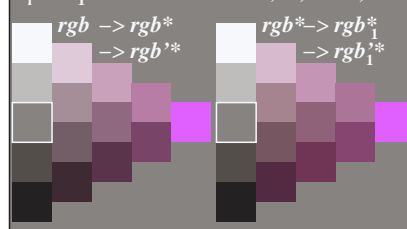
IE901-2N, 56

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



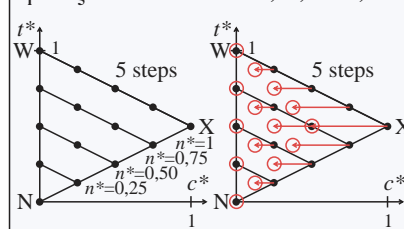
IE900-3N, 2

Colorimetric transformation  $i = 1$   
 $c_i^* = c_1^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,75$



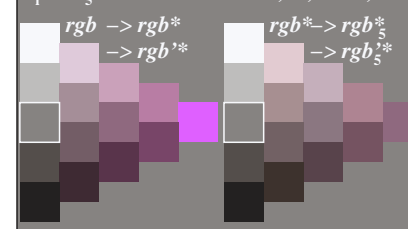
IE900-4N, 26

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



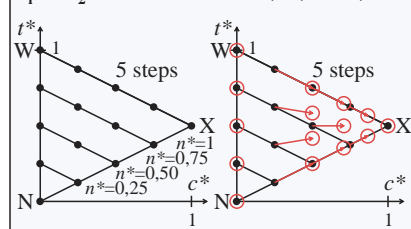
IE901-3N, 6

Colorimetric transformation  $i = 5$   
 $c_i^* = c_5^* = a c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$



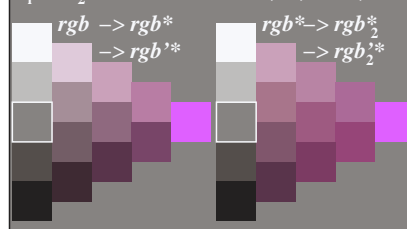
IE901-4N, 66

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



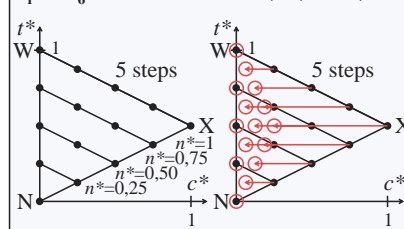
IE900-5N, 3

Colorimetric transformation  $i = 2$   
 $c_i^* = c_2^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 0,50$



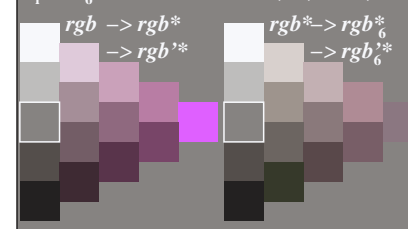
IE900-6N, 36

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



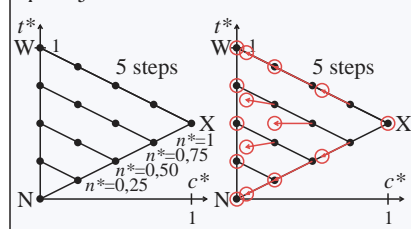
IE901-5N, 7

Colorimetric transformation  $i = 6$   
 $c_i^* = c_6^* = a c^{*b}$  with  $a = 0,25$ ;  $b = 1,00$



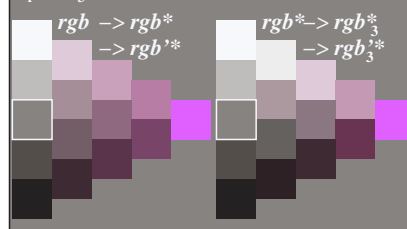
IE901-6N, 76

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



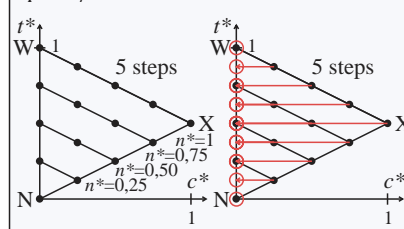
IE900-7N, 4

Colorimetric transformation  $i = 3$   
 $c_i^* = c_3^* = a c^{*b}$  with  $a = 1,00$ ;  $b = 2,00$



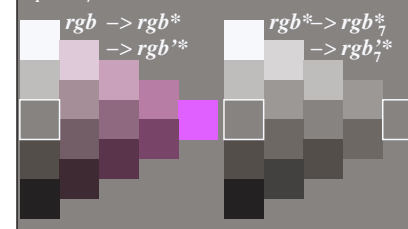
IE900-8N, 46

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-7N, 8

Colorimetric transformation  $i = 7$   
 $c_i^* = c_7^* = a c^{*b}$  with  $a = 0,00$ ;  $b = 1,00$



IE901-8N, 86

TUB-test chart IE90; Relative colour reproduction, Colour  $M$   
Colorimetric transformation of relative chroma  $c^*$  by  $a$ ,  $b$

input:  $rgb \rightarrow rgb^*$  setrgbcolor  
output:  $rgb'^*$  setrgbcolor