

# Colorimetric transformation $i = 5$

$c_i^* = c_5^* = a \cdot c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$

$rgb \rightarrow cmyn^*$

1.0	1.0	1.0	1.0	1.0
1.0	0.75	0.75	0.75	0.75
1.0	0.75	0.5	0.5	0.5
0.75	0.75	0.5	0.25	0.25
0.75	0.75	0.5	0.25	0.25
0.75	0.5	0.25	0.0	0.0
0.5	0.5	0.25	0.75	0.75
0.5	0.5	0.25	0.0	0.0
0.5	0.5	0.25	0.0	0.0
0.25	0.25	0.5	0.0	0.0
0.25	0.25	0.0	0.0	0.0
0.25	0.25	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

$cmyn^* \rightarrow cmyn_5^*$

1.0	1.0	0.938	0.813	0.875
1.0	0.75	0.813	0.625	0.625
0.75	0.75	0.688	0.563	0.813
0.75	0.5	0.563	0.625	0.438
0.5	0.5	0.563	0.438	0.75
0.5	0.25	0.375	0.438	0.25
0.5	0.25	0.375	0.563	0.25
0.25	0.25	0.313	0.188	0.188
0.25	0.5	0.313	0.375	0.188
0.25	0.0	0.25	0.125	0.125
0.25	0.25	0.188	0.063	0.063
0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0

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$rgb \rightarrow cmyn^*$

1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.75	0.75	1.0	1.0	1.0	1.0	0.75	0.813	0.875
0.75	0.75	1.0	1.0	1.0	1.0	0.75	0.813	0.875
0.75	0.75	0.5	1.0	1.0	1.0	0.75	0.688	0.625
0.75	0.75	1.0	1.0	1.0	1.0	0.75	0.688	0.625
0.5	0.5	0.75	0.25	1.0	1.0	0.5	0.563	0.625
0.5	0.5	0.75	1.0	1.0	1.0	0.5	0.625	0.438
0.5	0.5	0.25	0.75	0.0	0.0	0.5	0.438	0.375
		0.5	0.75	0.75	0.0		0.438	0.563
0.25	0.25	0.5	0.0	0.0	0.0	0.25	0.313	0.375
0.25	0.25	0.5	0.0	0.0	0.0	0.25	0.375	0.188
0.25	0.25	0.0	0.0	0.0	0.0	0.25	0.188	0.125
	0.25						0.188	
0.0	0.0					0.0	0.063	
0.0						0.0		
0.0						0.0		

$cmyn^* \rightarrow cmyn_5^*$

1.0	1.0	0.938	0.938	0.875	0.875	0.813	0.813	0.75
1.0	1.0	0.938	0.938	0.875	0.875	0.813	0.813	0.75
1.0	1.0	0.938	0.938	0.875	0.875	0.813	0.813	0.75
0.75	0.813	0.875	0.875	0.813	0.813	0.438	0.438	0.25
0.75	0.813	0.875	0.875	0.813	0.813	0.438	0.438	0.25
0.75	0.688	0.625	0.625	0.563	0.625	0.438	0.438	0.25
0.75	0.688	0.625	0.625	0.563	0.625	0.438	0.438	0.25
0.5	0.563	0.625	0.625	0.438	0.438	0.375	0.563	0.25
0.5	0.563	0.625	0.625	0.438	0.438	0.375	0.563	0.25
0.5	0.438	0.375	0.375	0.25	0.375	0.188	0.188	0.125
0.5	0.438	0.375	0.375	0.25	0.375	0.188	0.188	0.125
0.25	0.313	0.375	0.375	0.25	0.375	0.188	0.188	0.125
0.25	0.313	0.375	0.375	0.25	0.375	0.188	0.188	0.125
0.25	0.313	0.375	0.375	0.25	0.375	0.188	0.188	0.125
0.0	0.063	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.063	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.063	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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$c_i^* = c_5^* = a \cdot c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$

*rgb* → *cmyn*\*

		rgb -> cmyn*		
		1.0	1.0	1.0
1.0	1.0	0.75	1.0	0.5
0.75	0.75	0.5	1.0	0.25
0.75	0.5	0.5	0.25	1.0
0.5	0.5	0.25	0.25	0.0
0.5	0.25	0.75	0.0	1.0
0.5	0.25	0.25	0.0	0.0
0.25	0.25	0.5	0.75	0.0
0.25	0.0	0.0	0.0	0.25
0.25	0.0	0.0	0.5	0.0
0.0	0.0	0.25	0.0	0.0
0.0	0.0	0.0	0.0	0.0

*cmyn*\* > *cmyn*\*<sub>5</sub>

		смұн $\rightarrow$ смұн $\frac{1}{5}$		
1.0	1.0	0.813	0.625	0.25
1.0	0.938	0.875	0.438	0.75
0.75	0.813	0.625	0.438	0.25
0.75	0.563	0.625	0.813	0.75
0.75	0.688	0.375	0.188	0.25
0.5	0.563	0.625	0.563	0.75
0.5	0.313	0.375	0.188	0.25
0.5	0.438	0.125	0.188	0.25
0.25	0.313	0.375	0.188	0.75
0.25	0.063	0.125	0.063	0.25
0.25	0.188			
0.0	0.063			
0.0				
0.0				

## Colorimetric transformation $i = 5$

$c_i^* = c_5^* = a \cdot c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$

rgb $\rightarrow$ cmyn*					cmyn* $\rightarrow$ cmyn*				
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.0	0.75				0.813				
	1.0				0.938				
0.75	1.0	0.5			0.75	0.938	0.625		
0.75		1.0			0.75		0.875		
0.75	0.5	1.0	0.25		0.75	0.563	0.875	0.438	
0.5	0.75	0.25	1.0	0.0	0.5	0.688		0.813	0.25
0.5		0.75		1.0	0.5	0.688	0.375	0.813	0.75
0.5	0.25	0.75	0.0	1.0	0.5	0.313	0.625	0.188	0.75
0.25	0.5	0.0	0.75		0.25	0.438		0.563	
0.25		0.5			0.25	0.438	0.125	0.563	
0.25	0.0	0.5			0.25	0.063	0.375		
0.0	0.25					0.188			
0.0					0.0	0.188			
0.0					0.0				

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$c_i^* = c_5^* = a \cdot c^{*b}$  with  $a = 0,50$ ;  $b = 1,00$

*rgb* → *cmyn*\*

		rgb → cmyn*			
		1.0	1.0	1.0	1.0
1.0	1.0	0.75	0.75	0.75	0.75
0.75	1.0	0.75	0.5	0.5	0.25
0.75	0.75	0.5	0.5	0.25	0.25
0.75	0.5	0.5	1.0	0.25	0.25
0.5	0.75	0.25	0.25	1.0	0.0
0.5	0.5	0.25	0.25	0.0	0.0
0.5	0.25	0.75	0.75	0.0	1.0
0.25	0.25	0.25	0.25	0.0	0.0
0.25	0.5	0.0	0.0	0.75	0.0
0.25	0.0	0.0	0.0	0.5	0.0
0.0	0.25	0.0	0.0	0.25	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0

*cmyn*\* > *cmyn*\*<sub>5</sub>

		cmyn > cmyn <sup>5</sup>		
1.0	1.0	0.813	0.625	0.438
1.0	0.813	0.938	0.625	0.438
0.75	0.938	0.563	0.875	0.438
0.75	0.563	0.563	0.375	0.438
0.75	0.563	0.688	0.375	0.25
0.5	0.688	0.313	0.375	0.25
0.5	0.313	0.313	0.625	0.188
0.5	0.313	0.313	0.125	0.75
0.25	0.438	0.063	0.125	0.188
0.25	0.063	0.063	0.375	0.563
0.25	0.063	0.188		
0.0	0.188			
0.0				
0.0				

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