

## Farbmétrische Transformation $i = 3$

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

A grayscale heatmap illustrating the conversion from RGB to CMYK color space. The x-axis represents the Red (R) component, and the y-axis represents the Green (G) component, both ranging from 0.0 to 1.0. The color scale indicates the Black (K) component, with white representing 0.0 and black representing 1.0. The plot shows that as both R and G increase, the K value decreases, eventually reaching 0.0 at (1.0, 1.0). A small gray box highlights the region where R and G are between 0.5 and 0.75.

		стун*		
		стун*		3
1.0	1.0	1.0	1.0	1.0
1.0	1.0	1.0	1.0	1.0
0.938	0.938	1.0	1.0	1.0
0.75	0.938	0.75	0.75	0.75
0.75	0.688	0.75	1.0	1.0
0.75	0.625	0.75	0.438	0.438
0.5	0.625	0.625	0.438	1.0
0.5	0.375	0.375	0.438	0.0
0.5	0.375	0.375	0.563	0.0
0.25	0.313	0.25	0.0	0.0
0.25	0.313	0.25	0.0	0.0
0.25	0.063	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

# Farbmétrische Transformation $i = 3$

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

$rgb \rightarrow cmyn^*$

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	0.938	1.0	1.0	1.0
0.75	0.75	1.0	1.0	1.0	0.75	1.0	1.0	1.0
0.75	0.75	0.5	1.0	1.0	0.688	0.75	1.0	1.0
0.75	0.75	1.0	1.0	1.0	0.688	0.625	1.0	1.0
0.5	0.5	0.75	0.25	1.0	0.5	0.625	0.438	1.0
0.5	0.5	0.75	1.0	1.0	0.5	0.625	0.625	1.0
0.5	0.5	0.25	0.75	0.0	0.5	0.375	0.375	0.563
		0.5	0.75		0.5	0.375	0.563	0.0
0.25	0.25	0.5	0.0		0.25	0.313	0.25	0.0
0.25	0.25	0.5			0.25		0.25	
0.25	0.25	0.0			0.25	0.063	0.0	
	0.25					0.063		
0.0	0.0				0.0	0.0		
0.0					0.0			
0.0					0.0			

$cmyn^* \rightarrow cmyn^*_3$

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	0.938	1.0	1.0	1.0	0.688	0.75	1.0	1.0
0.75	0.75	1.0	1.0	1.0	0.688	0.625	0.438	1.0
0.75	0.688	0.75	1.0	1.0	0.688	0.625	0.625	1.0
0.5	0.625	0.625	1.0	1.0	0.5	0.375	0.375	0.563
0.5	0.625	0.625	1.0	1.0	0.5	0.375	0.563	0.0
0.5	0.563	0.563	0.0		0.5	0.375	0.563	0.0
0.25	0.313	0.25	0.0		0.25	0.25	0.25	0.0
0.25	0.25	0.25			0.25	0.25	0.25	
0.25	0.063	0.0			0.25	0.063	0.0	
	0.063	0.0				0.063		
0.0	0.0				0.0	0.0		
0.0					0.0			
0.0					0.0			

# Farbmétrische Transformation $i = 3$

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

$rgb \rightarrow cmyn^*$

1.0	1.0	1.0	0.75	0.5	0.25	0.0	0.0	0.0
0.75	0.75	0.75	0.5	0.25	0.0	0.0	0.0	0.0
0.75	0.75	0.75	1.0	0.25	0.0	0.0	0.0	0.0
0.75	0.75	0.75	0.5	0.25	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.25	0.25	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.75	1.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.25	0.25	0.0	0.0	0.0	0.0
0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
0.25	0.25	0.25	0.5	0.0	0.0	0.0	0.0	0.0
0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.25	0.0	0.0	0.0	0.063	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

$cmyn^* \rightarrow cmyn_3^*$

1.0	1.0	1.0	0.938	0.938	0.75	1.0	0.438	1.0	0.0
0.75	0.75	0.75	0.938	0.938	0.75	0.75	0.625	0.75	0.438
0.75	0.75	0.75	0.625	0.625	0.625	0.625	0.625	0.625	0.0
0.75	0.75	0.75	0.688	0.688	0.375	0.375	0.438	1.0	0.0
0.5	0.5	0.5	0.5	0.625	0.375	0.375	0.438	0.438	0.0
0.5	0.5	0.5	0.5	0.5	0.625	0.625	0.625	0.625	1.0
0.5	0.5	0.5	0.5	0.5	0.375	0.375	0.0	0.0	0.0
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.563
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0
0.25	0.25	0.25	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	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

## **Farbmetrische Transformation $i = 3$**

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

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

стун*		стун*	
1.0	1.0	1.0	3
1.0	0.938	1.0	
0.75	1.0	0.75	
0.75	1.0	1.0	
0.75	0.625	1.0	0.438
	0.688		1.0
0.5	0.688	0.375	1.0
0.5	0.625	1.0	1.0
0.5	0.313	0.625	0.0
	0.375		1.0
0.25	0.375	0.0	0.563
0.25		0.25	0.563
0.25	0.0	0.25	
	0.063		
0.0	0.063		
0.0			
0.0			

# Farbmétrische Transformation $i = 3$

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

$rgb \rightarrow cmyn^*$

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

$cmyn^* \rightarrow cmyn_3^*$

1.0									
1.0									
1.0	0.938								
0.75	0.938								
0.75	1.0	0.75							
0.75	0.75								
0.75	0.625	1.0	0.438						
0.625	0.625	0.438	0.438						
0.5	0.688	0.375	1.0	0.0					
0.5	0.5	0.375	1.0	0.0					
0.5	0.313	0.625	0.0	1.0					
0.313	0.313	0.0	0.0	0.0					
0.25	0.375	0.0	0.563						
0.25	0.25	0.0							
0.25	0.0	0.25							
0.0	0.0								
0.0	0.063								
0.0	0.0								
0.0	0.0								

# Farbmétrische Transformation $i = 3$

$c_i^* = c_3^* = a \cdot c^{*b}$  mit  $a = 1,00$ ;  $b = 2,00$

$rgb \rightarrow cmyn^*$

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

$cmyn^* \rightarrow cmyn^*_3$

1.0												
1.0												
1.0	1.0											
0.75	0.938											
0.75	1.0	1.0										
0.75	0.75											
0.75	0.688	0.688	1.0									
0.5	0.625	0.625	1.0	1.0								
0.5	0.688	0.688	0.625	1.0	1.0							
0.5	0.375	0.375	0.375	0.375	1.0	1.0						
0.5	0.375	0.625	0.563	0.563	1.0	1.0						
0.25	0.313	0.313	0.313	0.313	0.313	0.0						
0.25	0.375	0.375	0.25	0.25	0.563	0.563						
0.25	0.25	0.25	0.0	0.0	0.0	0.0						
0.25	0.063	0.063	0.25	0.25	0.0	0.0						
0.0	0.0											
0.0	0.063											
0.0												
0.0												