

Colour F and 9 others	Relation of colorimetric coordinates in colour triangle of hue $h^*=const$ Formula are based on given data of chromaticness c^* and blackness n^*					
(c^*, n^*)=(0.3, 0.35)	blackness n^*	chromatic-ness c^*	whiteness $w^* = 1 - n^* - c^*$	deepness $d^* = 1 - w^* = n^* + c^*$	brilliantness $i^* = 1 - n^*$	triangle lightness $t^* = 1 - n^* - 0.5 c^*$
Colour N	1	0	0	1	0	0
Colour M	0	1	0	1	1	0.5
Colour W	0	0	1	0	1	1
Colour 1	0	c^*	$1 - c^*$	c^*	1	$1 - 0.5c^*$
Colour 2=S	0	$c^*/(1 - n^*)$	$1 - c^*/(1 - n^*)$	$c^*/(1 - n^*)$	1	$1 - 0.5c^*/(1 - n^*)$
Colour 3	0	$n^* + c^*$	$1 - n^* - c^*$	$n^* + c^*$	1	$1 - 0.5(n^* + c^*)$
Colour 4	n^*	$1 - n^*$	0	1	$1 - n^*$	$0.5(1 - n^*)$
Colour 5=Q	$n^*/(n^* + c^*)$	$c^*/(n^* + c^*)$	0	1	$c^*/(n^* + c^*)$	$0.5c^*/(n^* + c^*)$
Colour 6	$1 - c^*$	c^*	0	1	c^*	$0.5c^*$
Colour 7	$1 - n^*$	0	n^*	$1 - n^*$	n^*	n^*
Colour 8	$1 - n^* - 0.5c^*$	0	$n^* + 0.5c^*$	$1 - n^* - 0.5c^*$	$n^* + 0.5c^*$	$n^* + 0.5c^*$
Colour 9	$1 - n^* - c^*$	0	$n^* + c^*$	$1 - n^* - c^*$	$n^* + c^*$	$n^* + c^*$

LE540-3, colorimetric relationship of colour triangle points N, W, M and others

Colour F and 9 others	Relation of colorimetric coordinates in colour triangle of hue $h^*=const$ Formula are based on given data of chromaticness c^* and triangle lightness t^*					
(c^*, t^*)=(0.3, 0.5)	blackness $n^* = 1 - t^* - 0.5 c^*$	chromatic-ness c^*	whiteness $w^* = t^* - 0.5 c^*$	deepness $d^* = 1 - t^* + 0.5 c^*$	brilliantness $i^* = t^* + 0.5 c^*$	triangle lightness t^*
Colour N	1	0	0	1	0	0
Colour M	0	1	0	1	1	0.5
Colour W	0	0	1	0	1	1
Colour 1	0	c^*	$1 - c^*$	c^*	1	$1 - 0.5c^*$
Colour 2=S	0	$c^*/(t^* + 0.5c^*)$	$1 - c^*/(t^* + 0.5c^*)$	$c^*/(t^* + 0.5c^*)$	1	$1 - 0.5c^*/(t^* + 0.5c^*)$
Colour 3	0	$1 - t^* + 0.5c^*$	$t^* - 0.5c^*$	$1 - t^* + 0.5c^*$	1	$1 - 0.5(1 - t^* + 0.5c^*)$
Colour 4	$1 - t^* - 0.5c^*$	$t^* + 0.5c^*$	0	1	$t^* + 0.5c^*$	$0.5(t^* + 0.5c^*)$
Colour 5=Q	$1 + c^*/(1 - t^* + 0.5c^*)$	$c^*/(1 - t^* + 0.5c^*)$	0	1	$c^*/(1 - t^* + 0.5c^*)$	$0.5c^*/(1 - t^* + 0.5c^*)$
Colour 6	$1 - c^*$	c^*	0	1	c^*	$0.5c^*$
Colour 7	$t^* + 0.5c^*$	0	$1 - t^* - 0.5c^*$	$t^* + 0.5c^*$	$1 - t^* - 0.5c^*$	$1 - t^* - 0.5c^*$
Colour 8	t^*	0	$1 - t^*$	t^*	$1 - t^*$	$1 - t^*$
Colour 9	$t^* - 0.5c^*$	0	$1 - t^* + 0.5c^*$	$t^* - 0.5c^*$	$1 - t^* + 0.5c^*$	$1 - t^* + 0.5c^*$

LE541-3, colorimetric relationship of colour triangle points N, W, M and others

Colour F and 9 others	Relation of colorimetric coordinates in colour triangle of hue $h^*=const$ Formula are based on given data of chromaticness c^* and blackness n^*					
(c^*, n^*)=(0.3, 0.35)	blackness n^*	chromatic-ness c^*	whiteness $w^* = 1 - n^* - c^*$	deepness $d^* = 1 - w^* = n^* + c^*$	brilliantness $i^* = 1 - n^*$	triangle lightness $t^* = 1 - n^* - 0.5 c^*$
Colour 1	0	c^*	$1 - c^*$	c^*	1	$1 - 0.5c^*$
Colour 2=S	0	$c^*/(1 - n^*)$	$1 - c^*/(1 - n^*)$	$c^*/(1 - n^*)$	1	$1 - 0.5c^*/(1 - n^*)$
Colour 3	0	$n^* + c^*$	$1 - n^* - c^*$	$n^* + c^*$	1	$1 - 0.5(n^* + c^*)$
Colour 4	n^*	$1 - n^*$	0	1	$1 - n^*$	$0.5(1 - n^*)$
Colour 5=Q	$n^*/(n^* + c^*)$	$c^*/(n^* + c^*)$	0	1	$c^*/(n^* + c^*)$	$0.5c^*/(n^* + c^*)$
Colour 6	$1 - c^*$	c^*	0	1	c^*	$0.5c^*$
Colour 7	$1 - n^*$	0	n^*	$1 - n^*$	n^*	n^*
Colour 8	$1 - n^* - 0.5c^*$	0	$n^* + 0.5c^*$	$1 - n^* - 0.5c^*$	$n^* + 0.5c^*$	$n^* + 0.5c^*$
Colour 9	$1 - n^* - c^*$	0	$n^* + c^*$	$1 - n^* - c^*$	$n^* + c^*$	$n^* + c^*$

LE540-7, colorimetric relationship of colour triangle points N, W, M and others

Colour F and 9 others	Relation of colorimetric coordinates in colour triangle of hue $h^*=const$ Formula are based on given data of chromaticness c^* and triangle lightness t^*					
(c^*, t^*)=(0.3, 0.5)	blackness $n^* = 1 - t^* - 0.5 c^*$	chromatic-ness c^*	whiteness $w^* = t^* - 0.5 c^*$	deepness $d^* = 1 - t^* + 0.5 c^*$	brilliantness $i^* = t^* + 0.5 c^*$	triangle lightness t^*
Colour 1	0	c^*	$1 - c^*$	c^*	1	$1 - 0.5c^*$
Colour 2=S	0	$c^*/(t^* + 0.5c^*)$	$1 - c^*/(t^* + 0.5c^*)$	$c^*/(t^* + 0.5c^*)$	1	$1 - 0.5c^*/(t^* + 0.5c^*)$
Colour 3	0	$1 - t^* + 0.5c^*$	$t^* - 0.5c^*$	$1 - t^* + 0.5c^*$	1	$1 - 0.5(1 - t^* + 0.5c^*)$
Colour 4	$1 - t^* - 0.5c^*$	$t^* + 0.5c^*$	0	1	$t^* + 0.5c^*$	$0.5(t^* + 0.5c^*)$
Colour 5=Q	$1 + c^*/(1 - t^* + 0.5c^*)$	$c^*/(1 - t^* + 0.5c^*)$	0	1	$c^*/(1 - t^* + 0.5c^*)$	$0.5c^*/(1 - t^* + 0.5c^*)$
Colour 6	$1 - c^*$	c^*	0	1	c^*	$0.5c^*$
Colour 7	$t^* + 0.5c^*$	0	$1 - t^* - 0.5c^*$	$t^* + 0.5c^*$	$1 - t^* - 0.5c^*$	$1 - t^* - 0.5c^*$
Colour 8	t^*	0	$1 - t^*$	t^*	$1 - t^*$	$1 - t^*$
Colour 9	$t^* - 0.5c^*$	0	$1 - t^* + 0.5c^*$	$t^* - 0.5c^*$	$1 - t^* + 0.5c^*$	$1 - t^* + 0.5c^*$

LE541-7, colorimetric relationship of colour triangle points N, W, M and others

BAM-LE54: Colorimetric coordinates in colour triangle for $h^*=const$

Defined relative chromaticness c^* and blackness n^* or triangle lightness t^*

input: w^* setgray + olv*

output: w^* setgray + olv*