

Colour F and 9 others	Relation of colorimetric coordinates in colour triangle of hue h*=const Formulae are based on given data of chromaticness c* and blackness n*					
(c*,a*)=(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*	n*	n*	1-n*	n*	n*
Colour 8	1-n*-0.5c*	n*+0.5c*	n*+0.5c*	1-n*-0.5c*	n*+0.5c*	n*+0.5c*
Colour 9	1-n*-c*	n*+c*	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 Formulae are based on given data of chromaticness c* and triangle lightness t*					
(c*,a*)=(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 Formulae are based on given data of chromaticness c* and blackness n*					
(c*,a*)=(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*	n*	n*	1-n*	n*	n*
Colour 8	1-n*-0.5c*	n*+0.5c*	n*+0.5c*	1-n*-0.5c*	n*+0.5c*	n*+0.5c*
Colour 9	1-n*-c*	n*+c*	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 Formulae are based on given data of chromaticness c* and triangle lightness t*					
(c*,a*)=(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 input: w* setgray + olv*
Defined relative chromaticness c* and blackness n* or triangle lightness t* output: w* setgray + olv*