

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

LE550-3, colorimetric relationship of colour triangle points N, W, M and others

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

LE551-3, colorimetric relationship of colour triangle points N, W, M and others

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

LE550-7, colorimetric relationship of colour triangle points N, W, M and others

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

LE551-7, colorimetric relationship of colour triangle points N, W, M and others

BAM-LE55: Colorimetric coordinates in colour triangle for $h^*=const$
 Defined relative chromaticness c^* and whiteness w^* or deepness d^*

input: w^* setgray + olv^*
 output: w^* setgray + olv^*