Equations: colorimetric data transfer from $rgb_{ m d}$ to $nce*_{ m d}$ data and $LCH*_{ m a,d}$ data		
Given: $rgb_d$ device colour data of any colour $rgb_d = lab*rgb_d$ and of 48 step colour circle $j=0$ to 47		
$rgb_{\mathrm{Md,j}}$ and adapted CIELAB data $L^*_{\mathrm{Md,j}}$ , $C^*_{\mathrm{ab,a,Md,j}}$ , $h_{\mathrm{ab,a,Md,j}} = LCH^*_{\mathrm{a,Md,j}}$		
Aim: calculate $nce*_d$ with $(0 <= n*_d, c*_d, e*_d <= 1)$ (similar to NCS data) and $LCH*_{a,d}$ data of the device colour		
Data of a given device (d) colour		
relative chroma of the device colour	$c*_{d} = max [rgb_{d}] - min [rgb_{d}]$	(1)
relative blackness of the device colour	$n*_{\mathbf{d}} = 1 - max [ rgb_{\mathbf{d}} ]$	(2)
relative triangle lightness of the device colour	$t*_{\mathbf{d}} = 1 - n*_{\mathbf{d}} - 0.5 c*_{\mathbf{d}}$	(3)
relative red-green chroma in 6x60 degree system s	$a*_{rs,d} = r_d \cos(30) + g_d \cos(150)$	(4)
relative yellow-blue chroma in 6x60 degree system s	$b*_{rs,d} = r_d \sin(30) + g_d \sin(150) + b_d \sin(270)$	(5)
hue angle in 6x60 degree system s	$h_{ab,s,d} = arctan[b*_{rs,d}/a*_{rs,d}]$ (0<= $h_{ab,s,d}$ <=360)	(6)
hue number in 6x60 degree system s	$e_{d}^{*} = h_{ab,s,d}/360$ (0<= $e_{d}^{*}$ <=1)	(7)
CIELAB hue angle in device system	$h_{ab,a,d}$ = function $[h_{ab,s,d}]$ (with table/equations)	(8)
adapted CIELAB $LCH^*_{a,d}$ data of maximum colour $M_d$	$L*_{Md}$ = function $[h_{ab,a,d}]$ (with table/equations)	(9)
	$C_{ab,a,Md}^* = \text{function } [h_{ab,a,d}] \text{ (with table/equations)}$	(10)
	$h_{ab,a,Md} = h_{ab,a,d}$	(11)
relative lightness of maximum colour $M_d$	$l*_{Md} = [L*_{Md} - L*_{Nd}] / [L*_{Wd} - L*_{Nd}]$	(12)
relative lightness of the device colour	$l*_{d} = t*_{d} + l*_{Md} c*_{d} + 0,5 c*_{d}$	(13)
adapted CIELAB LCH* <sub>a,d</sub> data of the device colour	$L_{d}^{*} = l_{d}^{*} [L_{Wd} - L_{Nd}^{*}] + L_{Nd}^{*}$	(14)
	$C^*_{ab,a,d} = c^*_{d} C^*_{ab,a,Md}$	(15)
	SI870-7N	1