| 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 $t^{*}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { blackness } \\ & n^{*}=1 \\ & -t^{*}-0.5 c^{*} \end{aligned}$ | chromaticness $c^{*}$ | $\begin{aligned} & \text { whiteness } \\ & w^{*} \\ & =t^{*}-0.5 c^{*} \end{aligned}$ | deepness $\begin{aligned} & d^{*}=1 \\ & -t+0.5 c^{*} \end{aligned}$ | $\begin{aligned} & \text { brilliantness } \\ & i^{*} \\ & =t^{*}+0.5 c^{*} \end{aligned}$ | triangle <br> lightness $t^{*}$ |
| Colour $N$ <br> Colour M <br> Colour W | $\begin{aligned} & 1 \\ & 0 \\ & 0 \end{aligned}$ | $\left\lvert\, \begin{aligned} & 0 \\ & 1 \\ & 0 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 1 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & 1 \\ & 1 \\ & 0 \end{aligned}\right.$ | $1 \begin{aligned} & 0 \\ & 1 \\ & 1 \end{aligned}$ | $\begin{aligned} & 0 \\ & 0.5 \\ & 1 \end{aligned}$ |
| Colour 1 <br> Colour 2=S <br> Colour 3 | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}\right.$ | $\begin{aligned} & \mathrm{c}^{*} \\ & \mathrm{c}^{*} /\left(\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & 1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*} \end{aligned}$ | $\left\|\begin{array}{l} 1-\mathrm{c}^{*} \\ 1-\mathrm{c}^{*} /\left(\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ \mathrm{t}^{*}-0.5 \mathrm{c} \end{array}\right\|$ | $\begin{aligned} & \mathrm{c}^{*} \\ & \mathrm{c}^{*} /\left(\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & 1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*} \end{aligned}$ | $1 \begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}$ | $\left\|\begin{array}{l} 1-0.5 c^{*} \\ 1-0.5 c^{*} /\left(t^{*}+0.5 c^{*}\right) \\ 1-0.5\left(1-t^{*}+0.5 c^{*}\right) \end{array}\right\|$ |
| Colour 4 <br> Colour 5=Q <br> Colour 6 | $\begin{aligned} & 1-t^{*}-0.5 c^{*} \\ & 1+c^{*} /\left(1-t^{*}+0.5 c^{*}\right) \\ & 1-c^{*} \end{aligned}$ | $\begin{aligned} & \mathrm{t}^{*}+0.5 \mathrm{c}^{*} \\ & \mathrm{c}^{*} /\left(1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & \mathrm{c}^{*} \end{aligned}$ | $\left\lvert\, \begin{aligned} & 0 \\ & 0 \\ & 0 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & 1 \\ & 1 \\ & 1 \end{aligned}\right.$ | $\left\lvert\, \begin{aligned} & \mathrm{t}^{*}+0.5 \mathrm{c}^{*} \\ & \mathrm{c}^{*} /\left(1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & \mathrm{c}^{*} \end{aligned}\right.$ | $\begin{aligned} & 0.5\left(\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & 0.5 \mathrm{c}^{*} /\left(1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*}\right) \\ & 0.5 \mathrm{c}^{*} \end{aligned}$ |
| Colour 7 <br> Colour 8 <br> Colour 9 | $\begin{aligned} & t *+0.5 c^{*} \\ & t^{*} \\ & t^{*}-0.5 c^{*} \end{aligned}$ | $\begin{array}{\|l} 0 \\ 0 \\ 0 \end{array}$ | $\left\lvert\, \begin{aligned} & 1-\mathrm{t}^{*}-0.5 \mathrm{c}^{*} \\ & 1-\mathrm{t}^{*} \\ & 1-\mathrm{t}^{*}+0.5 \mathrm{c}^{*} \end{aligned}\right.$ | $\begin{aligned} & t^{*}+0.5 c^{*} \\ & t^{*} \\ & t^{*}-0.5 c^{*} \end{aligned}$ | $\left\lvert\, \begin{aligned} & 1-t^{*}-0.5 c^{*} \\ & 1-t^{*} \\ & 1-t^{*}+0.5 c^{*} \end{aligned}\right.$ | $\begin{aligned} & 1-t^{*}-0.5 c^{*} \\ & 1-t^{*} \\ & 1-t^{*}+0.5 c^{*} \end{aligned}$ |

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

