

Linear relation rgb^* and relative chroma c_{rgb}^* or chroma a_{rgb}^* , b_{rgb}^*

System: R_LRS18_Z45N_3

Result: $t_{rgb}^* = a_{rgb}^* t_{rgb}^* = t^*$

$$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$$

$$n^* = 1 - \max(rgb^*) = 1 - i^*$$

$$w^* = \min(rgb^*) = 1 - d^*$$

$$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$$

b_{rgb}^*

1,0

$$a_{rgb}^* = c_{rgb}^* \cos h_{ab}$$

$$b_{rgb}^* = c_{rgb}^* \sin h_{ab}$$

relative chroma

a_{rgb}^*

-1,0

-1,0

Linear relation rgb^* and *relative chroma* c_{rgb}^* or chroma a_{rgb}^* , b_{rgb}^*

System: R_LRS16_Z45F_3

Result: $t_{rgb}^* = a_{rgb}^* t_{rgb}^* = t^*$

$$c_{rgb}^* = \max(rgb^*) - \min(rgb^*)$$

$$n^* = 1 - \max(rgb^*) = 1 - i^*$$

$$w^* = \min(rgb^*) = 1 - d^*$$

$$t_{rgb}^* = w^* + 0,5 c_{rgb}^*$$

b_{rgb}^*

1,0

$$a_{rgb}^* = c_{rgb}^* \cos h_{ab}$$

$$b_{rgb}^* = c_{rgb}^* \sin h_{ab}$$

relative chroma

a_{rgb}^*

-1,0

-1,0