

**WCGa colours (9 steps) with  $L^*(Ch)_{AB}$  in  $L^*ABJND$ -colour space**

Tristimulus values of black and white:  $Y_N=0,0$ ,  $Y_W=88,6$

Tristimulus values of black and white:  $Y_{Nn}=2,2$ ,  $Y_{Wn}=79,9$ ,  $Y_{Za}=18$ .

**CIELAB lightness  $L^*$**

**white  $W_n$**

$L^*(Ch)_{AB,Wn}=91, 0, 0$

$rgb^*_{Wn}=1, 1, 1$

9 steps

**black  $N_n$**

$L^*(Ch)_{AB,Nn}=16, 0, 0$

$rgb^*_{Nn}=0, 0, 0$

9 steps

9 steps

$L^*(Ch)_{AB,B}=27, 85, 287$

$L^*(Ch)_{AB,Bn}=31, 74, 287$

$rgb^*_{Bn}=0, 0, 1$

**blue  $B_n$**

