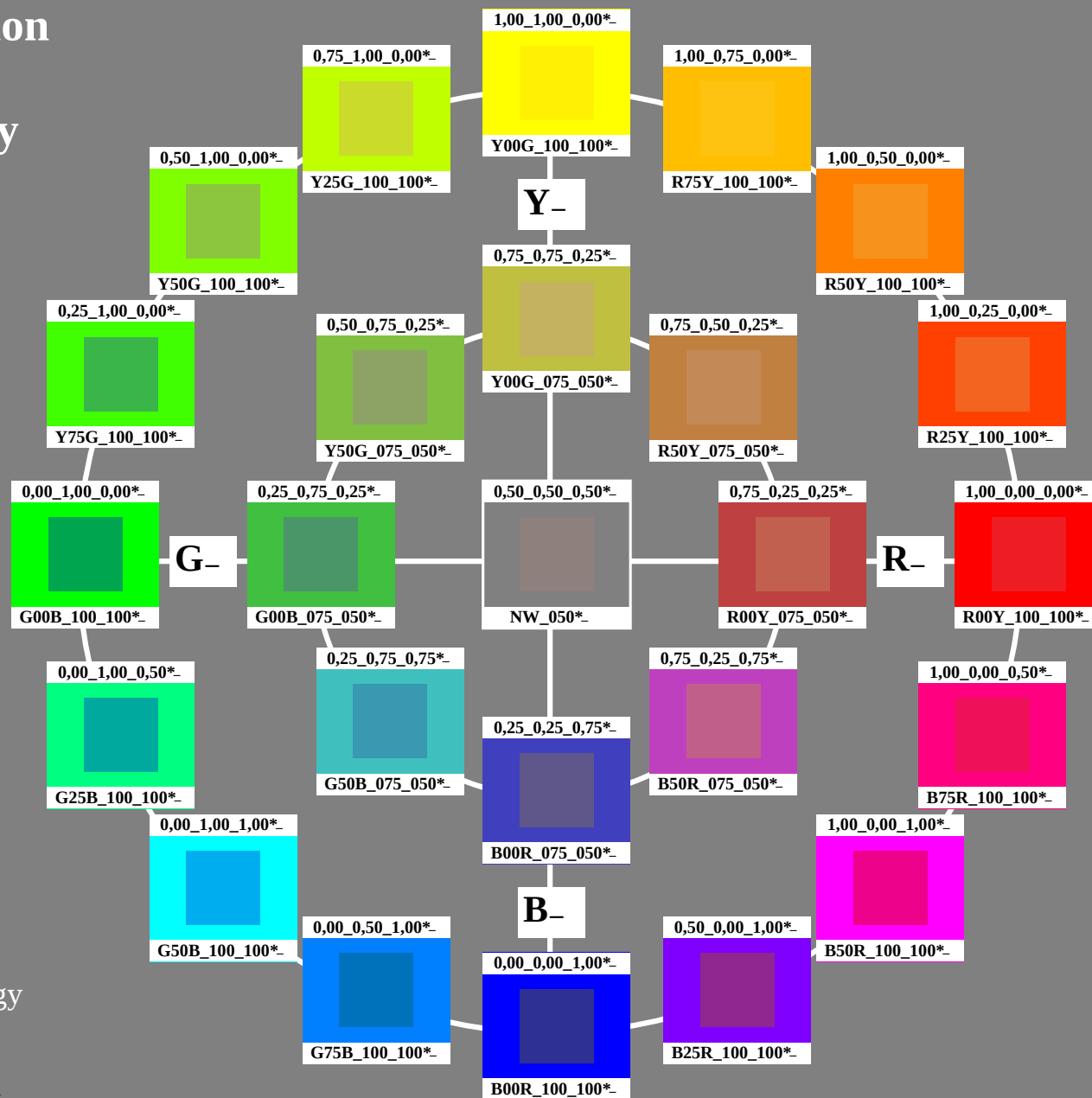


# Colour and Colour Vision Elementary Colours in Information Technology

Author: Prof. Dr. Klaus Richter

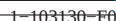
25 standard colours for D65  
hue circle with 16 and 8 steps  
standard display sRGB  
rgb data:  $rgb \cdot e$  (top)  
elementary hue  $H^*$ , brilliance  $I^*$ ,  
chroma  $C^*$ :  $HIC \cdot e$  (bottom)

Special print for the exhibition  
**Colour and Colour Vision**  
Section Lighting Technology  
of the Berlin University of Technology  
Einsteinufer 19, D-10587 Berlin  
see: <http://www.li.tu-berlin.de>  
and <http://130.149.60.45/~farbmetrik>  
and <http://130.149.60.45/~farbmetrik>



and <http://nirxhe.li.ty-berlin.de> PE730-72

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmyk^*_{dd}$



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25 standard colours for D65  
hue circle with 16 and 8 steps  
standard display sRGB  
rgb data:  $rgb^*e$  (top)  
elementary hue  $H^*$ , brilliance  $I^*$ ,  
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TUB-test chart PE73; hue circle; 16 and 8 steps  
25 standard colours for D65

input:  $rgb/cmyk \rightarrow rgb/cmyk$   
output: no change

