

CIE TC1-63: Experimental mark of relative blackness n^* and whiteness w^* of the 16 offset RECS colour samples compared to Black N and White W

Please copy this form for experimental results of many observers; recommended illuminant: north sky, approximately ID65 according to CIE 184

Please send the filled out form and questions to: Klaus Richter, Walterhoeferstr. 44, 14165 Berlin, Germany, klaus.richter@mac.com

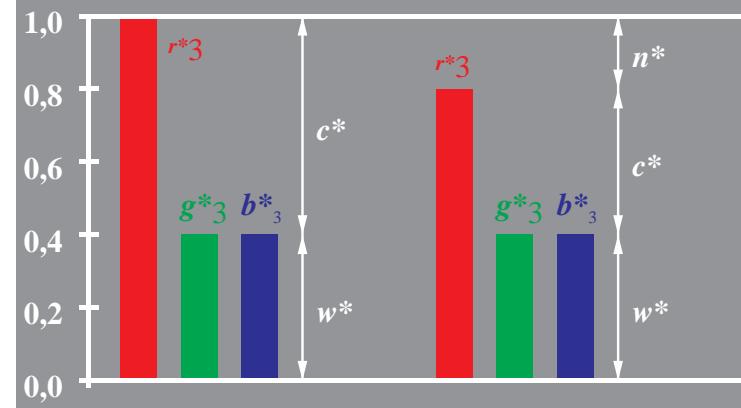
Evaluation of (mark only one of three possibilities):

- relative blackness n^* and relative whiteness w^*
- relative blackness n^* and relative chroma c^*
- relative whiteness w^* and relative chroma c^*

example mark

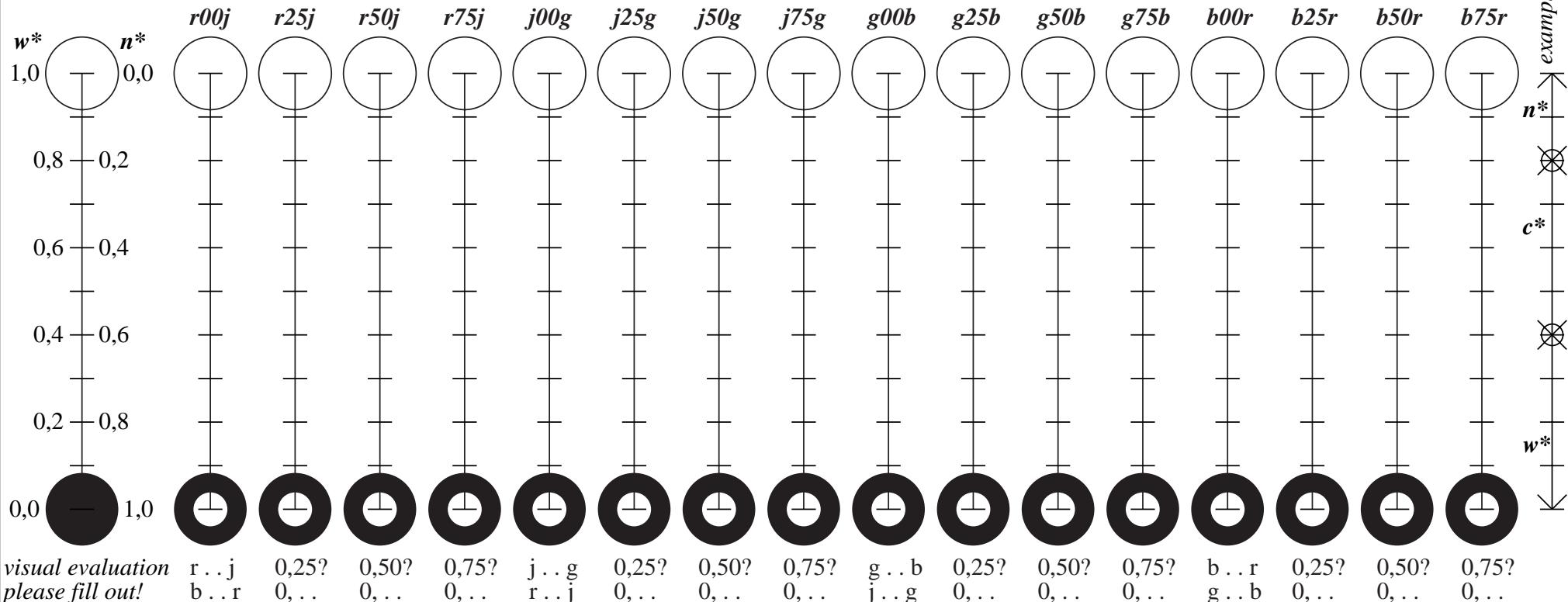
$$\text{Ostwald equation: } n^* + w^* + c^* = 1$$

Elementary hue Red R: linear
relation $lab^*rgb^* - lab^*ncw^*$



$$n^* = 1 - \max(rgb^*); \quad c^* = \max(rgb^*) - \min(rgb^*)$$

Elementary and intermediate hue text u^*
according to CIE R1-47:2009



IE290-7X_1, It is recommended to place the mask IE270-7X.PDF with 16 holes on top of the 16 colour samples of the RECS hue circle and to use the form IE290-7X.PDF for the visual evaluation

Observer name (optional):...

Normal Colour Vision (Yes/No)? Male O, Female O (mark), Age:... Country and Date:... Illumination ID65 (Yes/No)?, other ...