

Visual and other characteristics of colour difference data sets

Short Name, number of pairs	Number of observers and replications	light source and/or background chromaticity near	Material properties	Scaling and comparison method
WI_S0418 RD_S0312 LE_S0307 BF_S2776 SS_S0446	10–14 50 12–15 Mean>20 9 x 27	D65 CCT 6100 K D65 D65 D65	Gloss Paint Gloss Paint Matt Paint (textile) Print	Own grey scale Anchor pair grey scale ³⁾ Grey scale Own grey scale
WA_T0100 1S_T0890 2M_T0399 2S_T0446 2G_T0379	21 x 26 16 x 3 23 x 3 23 x 3 23 x 3	D65 D65 D65 D65 D65	Gloss Paint Gloss Paint Gloss Paint Gloss Paint Gloss Paint	fixed Yes/No ⁴⁾ fixed Yes/No ⁴⁾ fixed Pass/Fail ⁴⁾ fixed Pass/Fail ⁴⁾ fixed Pass/Fail ⁴⁾
RI_V0330 KI_V0392 AV_V0106	7 x 3 31 4 x 3	D65 (258 pairs) ¹⁾ D65 CCT 4000 K ²⁾	light colours photo paper light colours	slider Yes/No ⁵⁾ slider Yes/No ⁵⁾ slider Yes/No ⁵⁾

Remarks:

¹⁾ 72 pairs are seen in a surround with a correlated colour temperature near the CCT 4000K.

²⁾ large range $0,1 < Y < 200$; all pairs are seen in surround chromaticity near the CCT 4000K.

³⁾ grey scale and anchor pair.

⁴⁾ Pass/Fail decision of colour difference.

⁵⁾ Yes/No detection of colour difference at visual threshold.