ISO 24505:2016-04 (E)

Ergonomics - Accessible design - Method for creating colour combinations taking account of age- related changes in human colour vision

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Factors affecting conspicuity of colour combinations 2
4.1 General 2
4.2 Luminance level 2
4.3 Ageing effect 2
4.4 Viewing mode and condition 3

5 Colour combinations using fundamental colours and their conspicuity 3
5.1 Fundamental colours and their combinations 3
5.2 Classification of the conspicuity of colour combinations 4
5.3 Tables of two-colour combinations of fundamental colours and their conspicuity 5
5.4 Span 1 of fundamental colours 7

6 Procedures to create a colour combination 8

Annex A (normative) Spans of fundamental colours (Span 2) 14

Annex B (informative) Colouring example: A train network 22

Annex C (informative) Guidance for transformation of Munsell colour system to CIE XYZ system and to sRGB system in monitor displays 24

Bibliography 25