http://130.149.60.45/~farbmetrik/TN21/TN21L0NP.PDF/.PS; start output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/1 Conclusion 31/2007 ISO TC159/SG4/WG2 Ergonomics - Visual Display Requirements see similar files: http://130.149.60.45/~farbmetrik/TN21/TN21.HTM technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik ISO TC159/SG4/WG realizes that the colour spaces CIELAB and CIELUV of CIE Division 1 will soon become ISO/CIE standards. In applications we use these CIE colour spaces and device-dependent relative RGB colour spaces. For users of visual display systems a device-independent RGB colour space is useful. This produces via software the elementary hues Red, Green and Blue for the RGB data 100, 010 and 001 and equally spaced output in CIE colour spaces for equally spaced RGB input. We recommend that CIE Division 1 study the colorimetric definition of such a space, which can be used in visual display applications. Remark: We have realized that an example colour space of this type is published in CIE X030:2006, p. 139-144. http://www.iso.org/scit unanimous vote (Finland, Germany, Japan, Korea, Netherlands, Schweden, USA) 20130201-7 TN210-1 At the CIE meeting in Stockholm, June 2008, CIE Division 1 decided to establish the CIE Reportership R1–47 Hue Anles of Elementary Colours by Thorstein Seim (Norway) in response to the request of ISO TC 159 Visual Display Requirements and to present the result at the next CIE meeting in Budapest 2009 The report CIE R1-47:2009 Hue Angles of Elementary Colours ΓN21/TN21L0NP.PDF /.PS lists in chapter 3.6 the average CIELAB hue angles 26, 92, 166, and 270 of Miescher, NCS, and the CIE. rgb*display output CIE R1-47 recommends to use the CIELAB hue angles 25, 92, 162 and 271 of the CIE test colours no. 9 to 12 according to CIE 13.3 for the four elementary colours R_{e} , Y_{e} , G_{e} , and B_{e} . rgb*RGB*For free download of CIE R1-47 see the CIE Division 1 web site http://cie.co.at under MINUTES & REPORTS TN210-3 5-000030-L0 TN211-3N Resolution Busan 18/2009 of ISO/IEC JTC1/SC28 "Office Equipment" SC28 Review of the AWG recommendation on jn28n1280 (DIN 33872-1 to 6) The German proposal included the concept of a human visual RGB. SC28 recognizes the importance of correct understanding of the human visual system and the potential importance and application of this understanding to office equipment and office systems. SC28 welcomes the German plan to continue development of the human visual RGB within CIE Division 1 and Division 8. In addition SC28 welcomes a new proposal from Germany in the future based on this CIE human visual RGB work, potentially in relation to AWG/PWG5 NWI-9 TUB material: code=rha4ta (Office colour space). unanimous vote (Austria, China, Germany, Japan, Korea, USA) At the CIE meeting in South Africa, June 2011, CIE Division 1 decided to establish the Reportership CIE R1-57 Border between Luminous and Blackish Colours by Thorstein Seim (Norway) in response to the resolution 18/2009 of ISO/IEC JTC1/SC28. In addition CIE Division 8 decided to establish the Reportership CIE R8-09 Output Linearization Methods for Displays and Printers by Klaus Richter (Germany) in response to the same resolution 18/2009 of ISO/IEC JTC1/SC28. Both reports CIE R1-57 and CIE R8-09 have relations and may appear during 2013 at the CIE web site. Possible Result: Definition of a device-independent visual RGB*e system as response to the request of SC28. All surface colours define a hue circle of maximum chroma located within the CIE (x,y) chromaticity diagram. CIELAB chroma C^*_{ab} and lightness L^* of this circle as function of hue h_{ab} serves as reference points of a device-independent visual RGB_{e}^{*} system (compare the reference C_{ab}^{*} , L^{*} hue circle of the NCS system). TN211-7N input: w/rgb/cmyk -> w/rgb/cmyk_ TUB-test chart TN21; ISO resolutions and CIE reports Methods for output linearization of colour devices output: no change compared