ONLINE ISSN : 1882-4935
PRINT ISSN : 0914-3319

Journal of Printing Science and Technology
Vol. 42 (2005) , No. 5 pp.300-304

[PDF (586K)] [References]

Proposal of Standard Gray for Quality Control of Color Newspaper Printing

Takehiko OGIHARA[1)], Masaya SHIBATA[2)], Naokazu AOKI[1)] and Hiroyuki KOBAYASHI[1)]

1) Graduate School of Science and Technology, Chiba University
2) Printing Division, The Niigata Nippo

Abstract

Usage of color space in the newspaper increased remarkably in the past 10 years. The quality was also improved by that. Today, we are not satisfied only by the color is just used, but we also demand high quality color reproduction. As the quality improves, similar quality evaluation becomes indispensable in the quality control. Color space is evaluated with human eyes in printing. In this case, a standard of evaluation of color reproduction is gray. An aim of color reproduction is to print gray by gray. Therefore, there is not a standard of color reproduction unless we have standard gray to recognize to be gray. In this paper, the standard gray was proposed by substantial evaluation of gray patches arranged systematically in the CIELAB space. As standard gray of L^*=54, a^*=-1, and b^*=3 was suggested.

[PDF (586K)] [References]

Download Meta of Article[Help]
RIS
BibTeX

To cite this article:
Takehiko OGIHARA, Masaya SHIBATA, Naokazu AOKI and Hiroyuki KOBAYASHI, Journal of Printing Science and Technology, **42**, 300 (2005) .