

ISO colour file and loop: file \rightarrow print \rightarrow scan \rightarrow file

use the ISO file with 729 (=9x9x9) colours, and with 9 and 16 step grey scales:

http://standards.iso.org/iso/9241/306/ed-2/AE49/AE49F0PX_CY8_1.PDF

**ISO colour file, and
OLM16 method for
device output
linearization**

**ISO file
with rgb^* colour data**

Literature for input and output linearization
Richter, K., Output Linearisation Method
OLM16 for Displays, Offset, and Printers, see
http://color.li.tu-berlin.de/OUTLIN16_01.PDF
similar to CIE R8-09:2016 (for CIE members)

image process
digital \rightarrow analog
hardware
colour display
printer or offset
 $rgb^* \rightarrow LCh^*$

image process
digital \rightarrow digital
software
ICC Look_Up
table or similar
 $rgb \rightarrow rgb^*$

LCh^*

**visual test: equal
relative spacing (Y/N)?
use colours in
column *b* to *j***

image process
analog \rightarrow digital
hardware
colour scanner,
colour camera
 $LCh^* \rightarrow rgb$

**input
linearization**
 $rgb \rightarrow rgb^*$

ISO files with equally spaced color scales:
<http://standards.iso.org/iso/9241/306/ed-2/index.html>
<http://standards.iso.org/iso-iec/15775/ed-2/en>