

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

use ISO file with 16 step colour scales: W\_R(O), W\_G(L), W\_B(V), W\_N

<http://standards.iso.org/iso-iec/15775/ed-2/en> see Test\_Chart\_4.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](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 the 16 step colour  
series in Picture D4**

**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>