

**Colour data in file, user choice and output needs:**

**Test: Equally spaced device or elementary hue output?**

Colour data file with  
input data *rgb* as  
*undefined* colour data  
*rgb* ( $\rightarrow$  *rgb*)  
*no special*  
*device colours*

**User choice no. 1**  
of colour data for output:  
Output interpretation  
as *device* data  
and output transformation  
*rgb* to *rgb'*<sub>1</sub> for device 1

**Device 1 uses the data *rgb'*<sub>1</sub> for output.**  
1 Is the device output  
equally spaced  
for any of the six  
device hues *OYLCVM*?

**User choice no. 2**  
of colour data for output:  
Output interpretation  
as *device* data  
and output transformation  
*rgb* to *rgb'*<sub>2</sub> for device 2

**Device 2 uses the data *rgb'*<sub>2</sub> for output.**  
2 Is the device output  
equally spaced  
for any of the six  
device hues *OYLCVM*?

**User choice no. 3**  
of colour data for output:  
Output interpretation  
as *elementary* data  
and output transformation  
*rgb* to *rgb''*<sub>1</sub> for device 1

**Device 1 uses the data *rgb''*<sub>1</sub> for output.**  
3 Is the device output  
equally spaced  
for any of the four  
elementary hues *RJGB*?

*Remark:*  
*For output linearisation*  
*see ISO/IEC TR 19797*