

## **W1.1 Image Quality of Printers**

INCITS W1.1 2003 – 031

Gloss and Gloss Uniformity

Yee S. Ng, May 30, 2003

### **Gloss/gloss uniformity ad hoc Teleconference Meeting Notes**

(5/27/2003 teleconference)

Present: Yee Ng (Chair, NexPress), Chung H. Kuo (NexPress), Eric Zeise (NexPress), Dale Mashtare (Xerox)

Absent members:

Pashant Mehta (ImageExpert), John Kessler (Paxar), Dan Hann (RIT), Mike Pointer (National Physical Lab, UK), Jeff Wang (NexPress), Eric Maggard (HP), Peter Morris (HP)

Next Teleconference: Tuesday June 10, 2003 @ 1:30 PM EST

#### **Agenda**

1. Review/modify agenda
2. Review discussions at the PICS2003 meeting
3. Continue discussion on Gloss Uniformity test chart and micro-gloss measurements.
4. Schedule next teleconference

The Gloss/gloss uniformity ad hoc met on 5/27/2003. The ad hoc team approved the agenda. YN informed the team that Peter Morris (HP, San Diego) is interested to participate in the gloss uniformity discussion. The team welcomes Peter for his participation. The team reviewed the discussion at PICS2003. The team's paper "Standardization of Perceptual based Gloss and Gloss Uniformity for Printing Systems (INCITS W1.1)", published in IS&T's 2003 PICS Conference Proceeding, p.88-p.93 was well received by the PICS participants. The face-to-face meeting at PICS (with gloss artifact samples and Within-Page Gloss Uniformity samples) also generates the following action items:

- (1) Send the annotated pages (with colorant coverage) of the Within-Page Gloss Uniformity test charts to the team. That request has been completed by email before this teleconference started. The five annotated pages are included at the end of this Meeting Minute as a reference. The actual pages for printing were included in INCITS W1.1 2003-021.
- (2) After reviewing the Within-Page Gloss Uniformity test charts at the PICS meeting, it was decided to measure gloss at five locations (instead of three locations) on each gloss strip. Only one reading per location is needed at the present time. The test charts will be tested with three different types of substrate (similar to that in the previous Round-robin experiment done in the ad hoc team relating to gloss

measurements between labs) for Within-Page Gloss Uniformity measurements. It was also observed that similar test chart printed on the back of the page (in addition to the front of the page) can be used for Page-to-Page Gloss Uniformity measurement between gloss charts printed on the front of the next page, next to the back of the previous page.

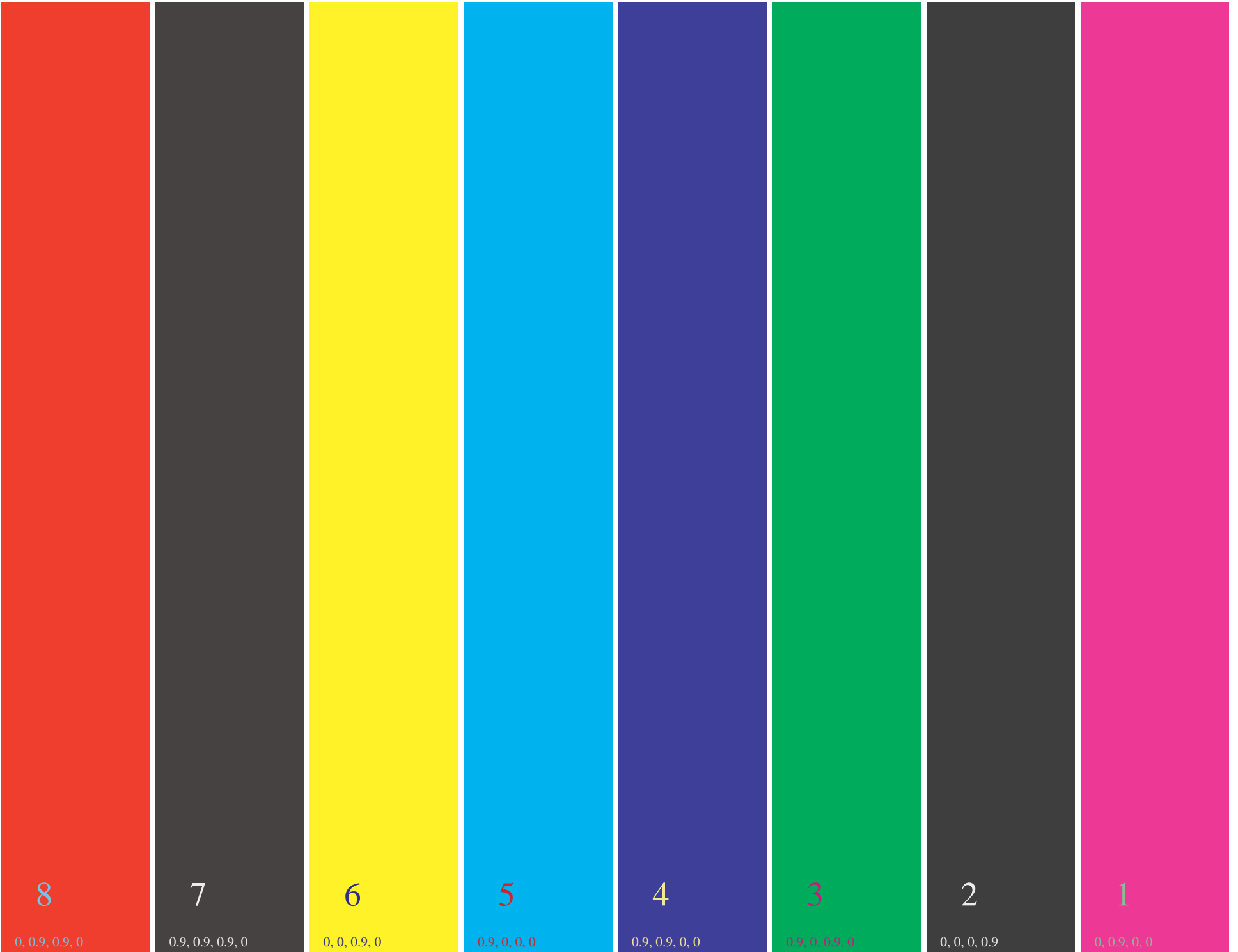
- (3) After reviewing the gloss artifact samples (provided Eric Maggard of HP and Yee Ng of NexPress) at the PICS meeting, it is concluded that we now have some samples that show Gloss Grain, Gloss Steak, Gloss Band and Gloss Mottle/Cloud. We have not found samples that have Gloss Spot and Gloss Moire yet. CK and DM will continue to look into available print samples for those gloss artifacts. In the mean time, EM will send samples to PM for initial objective gloss artifact measurements.

Next call-in teleconference: Tuesday, June 10, 2003 @ 1:30 PM EST

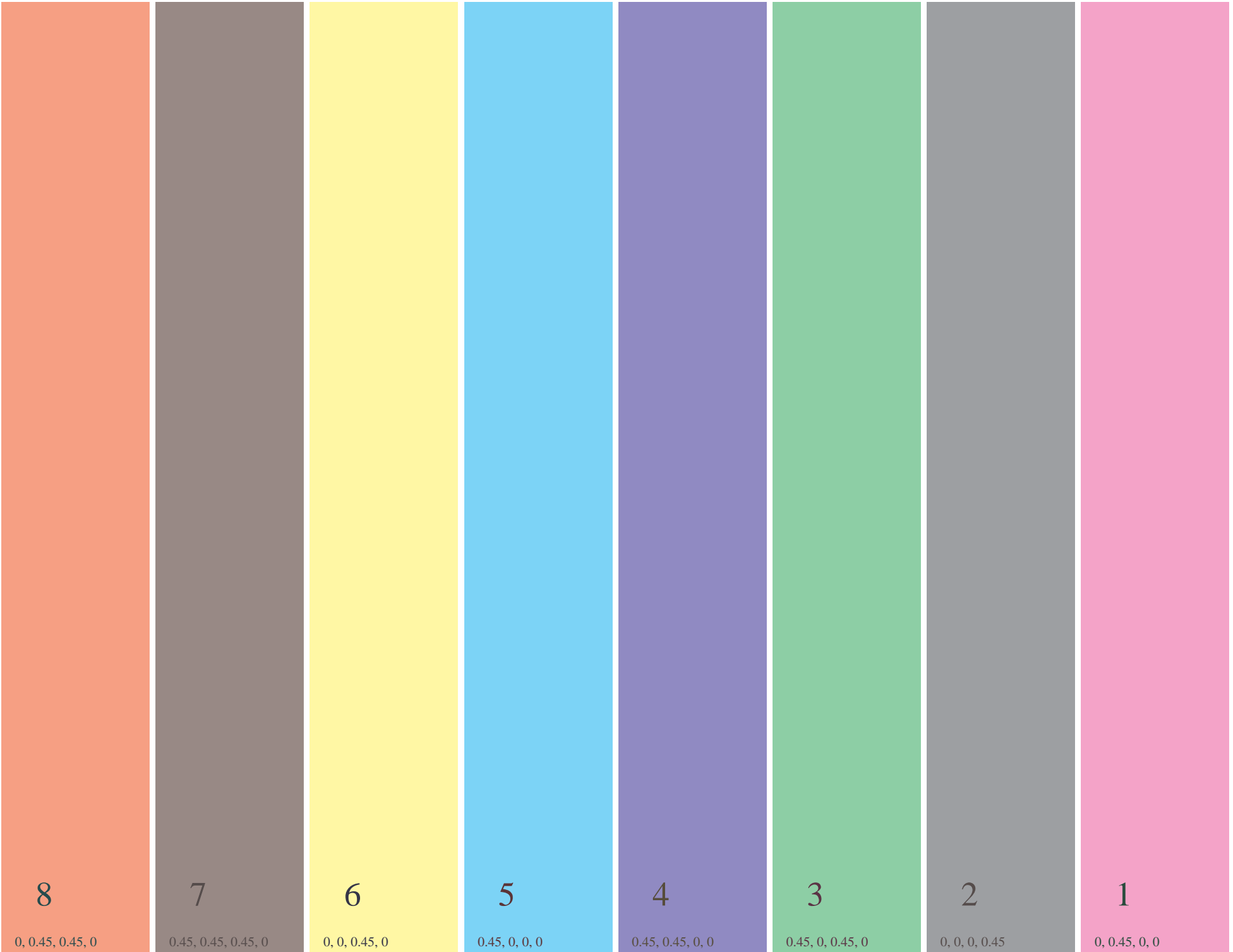
#### Proposed agenda for June 10, 2003

1. Review/modify agenda
2. Continue discussion on Gloss Uniformity test chart and micro-gloss measurements
3. Schedule next teleconference

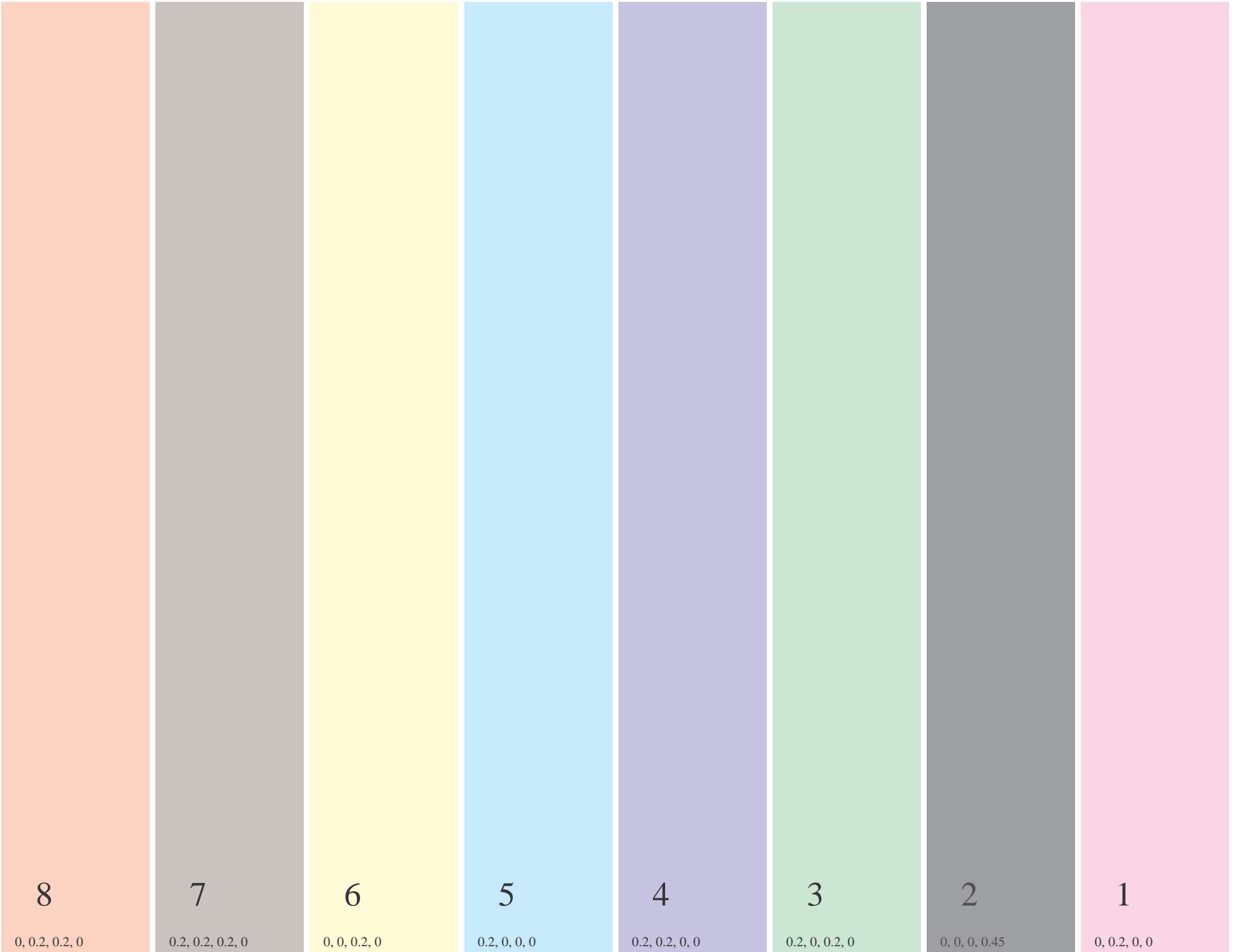
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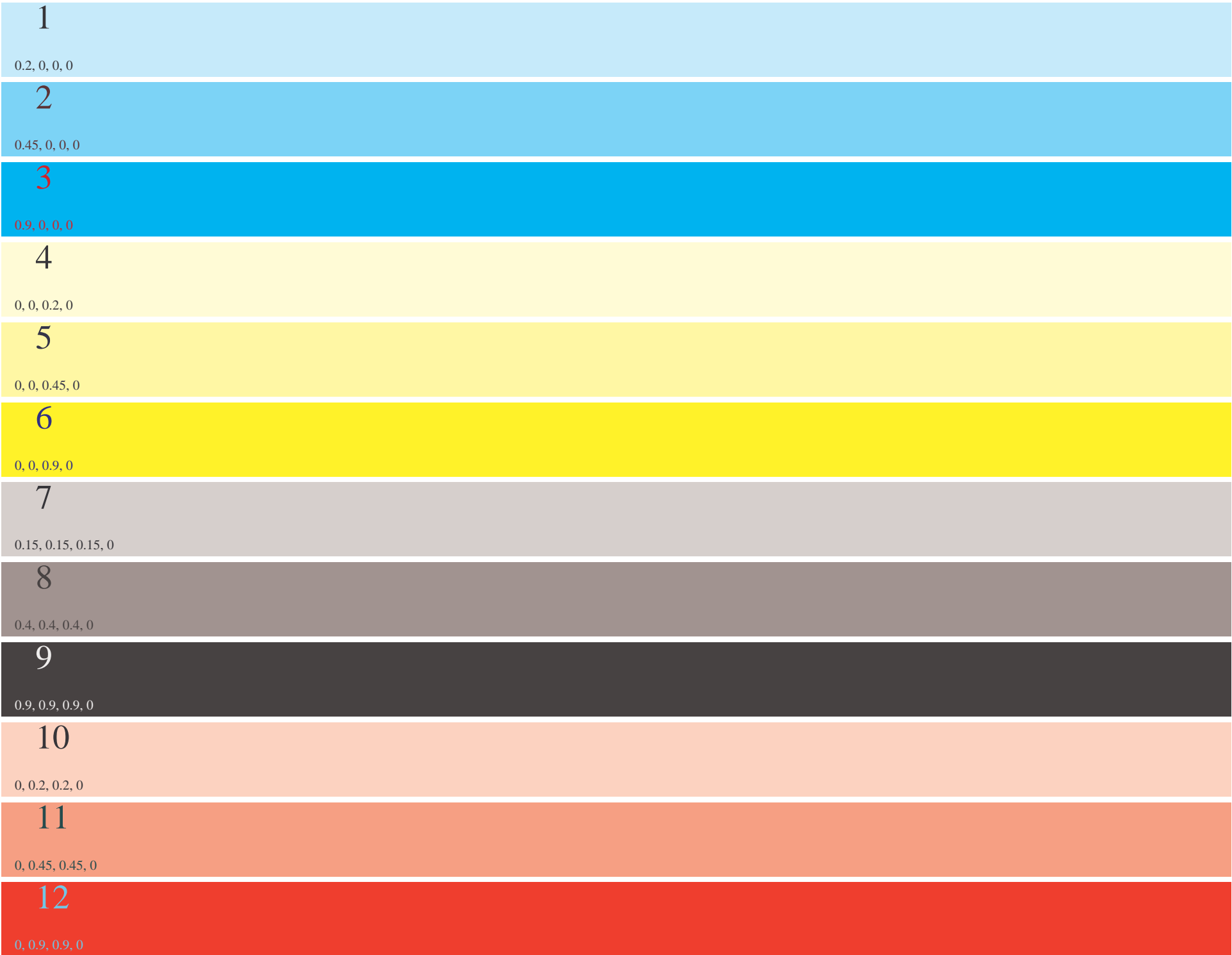
Gloss Uniformity Test Target 1-1



Gloss Uniformity Test Target 1-2



Gloss Uniformity Test Target 1-3



Gloss Uniformity Test Target 2-1



Gloss Uniformity Test Target 2-2