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Agenda

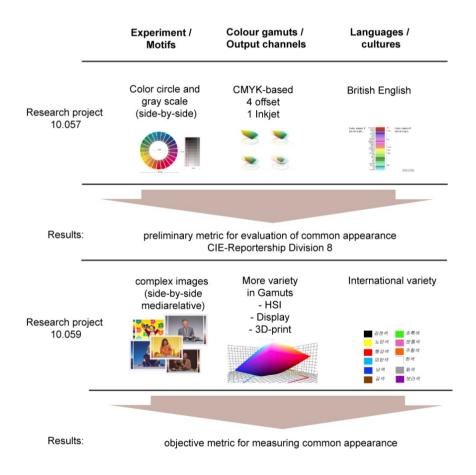


- 1. Fogra research proposal Common colour appearance
- 2. Concept of the psychophysical experiment
 - 1. Selection of test images
 - 2. Selection of output gamuts
- 3. Outlook



1. Fogra research proposal 10.059

Common appearance – Evaluation of an objective metric for measuring common appearance

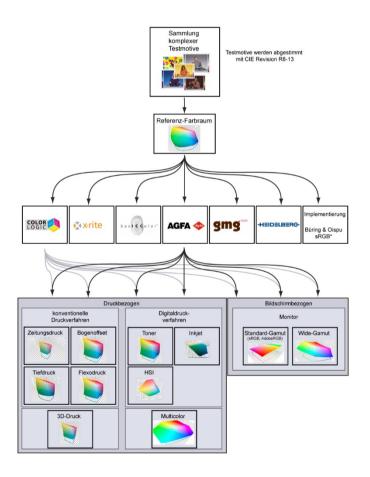


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2. Concept of Psychophysical Experiment

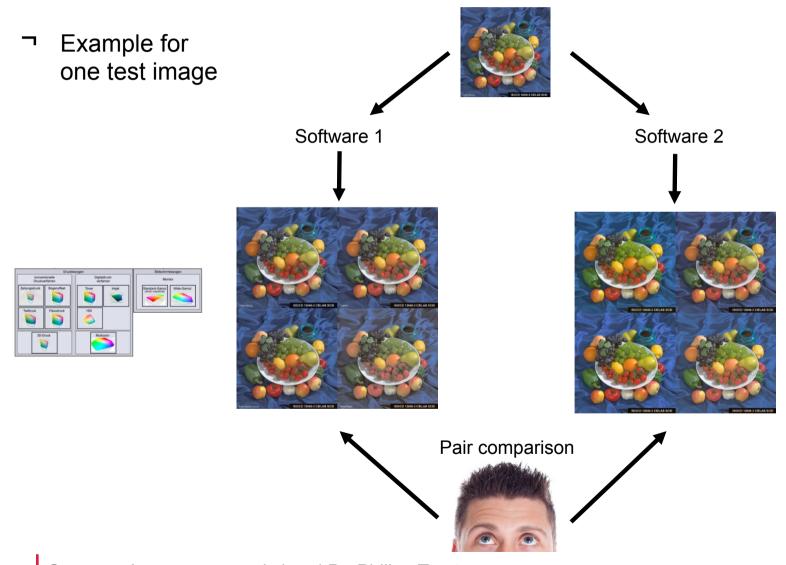
Aim of experiment: Statistical proof, that there is a Common Colour Appearance

- ¬ Selection of test images
- ¬ Storage in reference color space
- Perceptual gamut mapping through several software packages
- Selection of relevant outputgamuts



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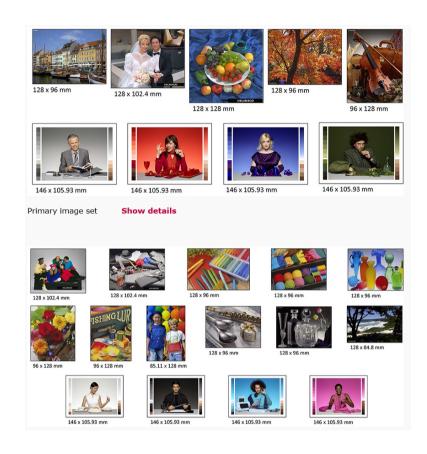
2. Concept of Psychophysical Experiment



2.1 Selection of test images



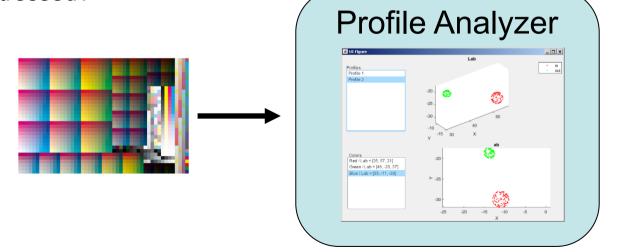
- Selection of images on http:// www.color.org/resources/r8-13/ CCA_test.xalter
- Further reduction of number of test images used in experiment needed





2.1 Selection of test images: Analysis of the strategies

- ¬ For complex images, the differences between images in one set need to be maximized
 - fundamentally different gamuts in shape and size
 - wing images where the differences between each perc. mapping strategy is largest
- ¬ Analysis:
 - How different are the perceptual strategies in different areas of the color space?
 - May this help to select images where the differences of the strategies are most stressed?

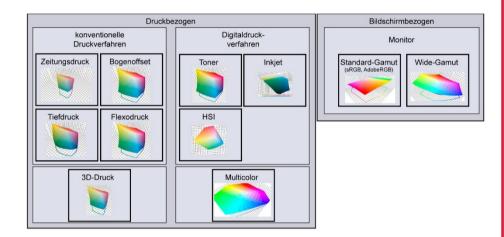






Limitation to:

- ¬ HSI-Gamut
- ¬ Multicolor
- ¬ Large gamut display (BenQ)
- ¬ FOGRA51
- ¬ FOGRA52
- ¬ FOGRA53



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3. Outlook

- ¬ Selection of test images
- Conducting pilot experiment
- ¬ Finetuning of exp. Setup (questions to ask and way of stimulus presentation) with Prof. Gegenfurtner
- Connect the results of the psychophysical experiment with the language database of Dimitris Mylonas

