Introduction

Originally, Coraye was a playful software, which allowed experiments to be carried out during color training.
Since then, it has evolved to be what it is today, that is to say a great tool to help you master and communicate a sensation: color.
Coraye's functionalities are based on real issues encountered in the field and it is thanks to this concentration of experience that it has been able to evolve and that it will continue to evolve even in the future.

The manual

This manual is composed of a set of tutorials using examples of typical use of Coraye.
Obviously, we can't cover all cases, but we hope to cover the main ones.
The use of numerous screenshots and the limitation of texts aim to make tutorials as understandable as possible, for an easy handling of our software.

Coraye: modular utility software.

Each professional working in the fields of printing or design encounters specific issues.
A photo lab, an offset printer, a wide format UV printer, an industrialist (textile, leather, plastic, etc.) and a designer, to name a few, all have color-related requirements that can be different ... or the same.
All of them can have the same problems, but also different needs. This is why our tools are modular and scalable.
In addition, the association of two modules can also create new functionalities, such as for example the Color Table module combined with the Color Capture module.
Indeed, these two modules associated together, will allow the addition of colors in a table directly with a measurement carried out with a spectrophotometer, but also the search for hue.

Coraye's modules

You will find below the list of the various Coraye component modules and options, with the functionalities associated with each of them.

Color Capture :

- Measuring samples with a spectrophotometer

- Display of sample values sRGB, Hexadecimal, Lch, XYZ
- Color Converter (Convert colors to RGB, CMYK or multichannel from an icc profile)
- Color Density (Display of density values in E, T, A, M mode)
- Delta Finder (Display of delta E between 2 values)
- **Option** : Color Finder **if Color Table Option is activated** (Search for color in a standard or custom color chart)

Light Capture :

- Measuring illuminants to control light booths, for example.
- Display CCT, Ra, CRI, x, y, lux

Gamut Viewer :

- 3D display of icc profile gamuts, Jpeg or Tiff image, Table colors, color samples.
- Import Profils icc, Images Jpeg et Tiff
- **Option:** Import Color Table (if Color Table is enabled)
- **Option:** Import Measure sample (if Capture Color is enabled)
- Creation of a color in Lab or Lch
- Display of sample values sRGB, Hexadecimal, Lch, XYZ
- Color Converter (Convert to RGB or CMYK from an icc profile)
- Delta Finder (Display of delta E between 2 values)
- **Option:** Color Finder if the Color Table module is activated (Color search in a standard or custom color chart)

Color Table :

- Display and Editing of the colors of a color table
- Color table creation
- Extract or import a color into a table
- Mixing multiple tables
- Adding colors in Lab or Lch mode
- Creation of a color in Lab or Lch
- **Option:** Addition of samples by measurement in a table if the Color Capture Option is activated.
- Import Export of Tables to the Adobe suite swatchbooks or RIPs.
- Naming convention for renaming the colors of a table.
- Report color reproduction of a table before printing.
- Create a color chart of spot colors (defined and named colors as e.g. RAL, PANTONE, HKS...) as a sheet or a fan with CutContour or bleed marks for finishing. (PDF RGB, CMYK or Direct Tones)

Print Control :

- Measurement of the RGB or CMYK Mediawedges supplied by Coraye.
- Measurement and control of the Fogra/Ugra and IDEAlliance Mediawedges
- Reading report edition with customization of tolerances. (Label or Detailed report)
- **Option:** Control of large tables (ECI, IT8, etc…) if the ICC profile creation module is activated.
- **Option:** Control of spot color tables if the Color Table module is enabled.
- **Option:** Fogra range control (Fogra license)

Spectral Viewer :

- Display of the spectral curves of the illuminants.
- Display of reflectance curves of measured color samples.

Picture Viewer :

In development

Print Profiler RVB:

- Creation of an RGB calibration.
- Creation of RGB profiles from a standard target.
- Creation of profiles from a personalized target.
- Possibility of performing multiple measurements.
- Possibility of creating profiles by use of several targets.

Print Profiler CMJN :

- Creation of a CMYK calibration.
- Creation of CMYK profiles from a standard range.
- Creation of profiles from a personalized target.
- Possibility of performing multiple measurements.
- Possibility of creating profiles by use of several targets.

Additional options:

- FOGRA ranges
- Offline licence

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