

Notes how to use „Patch Selector“ in ColorLab

Extracting Measurement Data

With ColorLab (v 2.77 for Windows, v 2.8 for Mac) you can extract measurement data for „small“ color charts from „big“ color charts. Therefore the small chart should be a part of the big one. For the operation you need:

- The reference file of the small chart
- The reference file of the big chart
- The measurement file of the big chart

Start ColorLab and follow these steps:

1. Open the reference file of the small chart (e.g. IT8-7.3) as document.
2. Select menu "Filters/Others/Select Patches".
3. Select the reference file of the big chart (e.g. ECI target 2002) as "Source". The color patches in the open document will directly be replaced by the nearest ones of the big reference file.

Notice: There is no interpolation. The function is implemented for the use-case that for each patch can be found an alternate patch with exactly the same value. The maximum deviation will be shown in the dialog "Patch Selector". It should be smaller than 0.01%.

4. Select the measurement file of the big chart as "Destination". The reference patches in the open document will directly be replaced by the appropriate measurement values.
5. Close the dialog by clicking OK.
6. Save the open document (extracted measurement data) using a new file name.

Notice: Reference values contained in measurement files are still not supported. The reference file must always be available separately.

Extracting and Comparing Reference Files

When selecting the reference file of the big chart (instead of the measurement file) as “Destination”, you will get a new reference file in the layout of the small chart, but with the values of the big chart.

In this way you can detect differences between the patch values of the small and big chart (comparing function). If there are differences (e.g. higher than a half percent) the new created reference file should be used for profile calculation or other operations, which need the measurement and reference values as input. Additionally artifacts, coming up when creating layout variations, can be eliminated.