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Custom Effect UI in Pitivi

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Auto-generated Effect UI

Auto-generated Effect UI

- A GtkGrid with the right type of widgets for its properties are packed.
- DynamicWidget API helps to manage changes to these widgets and map back the changes to the effect properties.
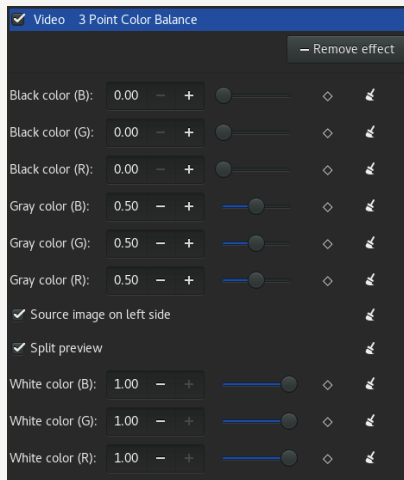
Auto-generated effect UI lacks familiarity.

Figure 1: Default UI for Color Balance Effect

Phase 1

Phase 1

- Porting Nekohayo's work I ended up with a light weight plugin like architecture.
- 'create_widget' signal is emitted where a mapBuilder function can be used to map back widgets to the existing internal architecture.
- Look for glade file and use mapBuilder.
- Fallback to auto-generation.

Phase 2

Custom Effect Property Widgets

- ❦ Have a few custom widgets for effect properties and auto-generate the rest.
- ❦ Connect to 'create_property_widget' signal and return your custom widget as a DynamicWidget.

My Custom Widget

Figure 2: Basic Colorwheel Widget

Future Work

https://suhas2go.github.io

Thank you!