

# 1 Solutions in Melt Framework?

## MLT

- Read through MLT FX User Guide [1]
- Can MLT FX be used in the terminal/through commands or is it an application with UI only? Look into <https://www.mltframework.org/docs/fxcut/>? on FX Cut (but this page is from 2005)
- Apply filter?
- Look into <https://www.mltframework.org/plugins/PluginsFilters/>
- melt [options] [producer [name=value]\* ]+ Options:
  - attach filter[:arg] [name=value]\* Attach a filter to the output
  - attach-cut filter[:arg] [name=value]\* Attach a filter to a cut
  - attach-track filter[:arg] [name=value]\* Attach a filter to a track
- Collected information about melt <https://superuser.com/questions/358082/command-line-video-editing-in-linux-cut-join-and-preview>
- Promising sounding filters:
  - avfilter.colorbarbalance  
<https://www.mltframework.org/plugins/FilterAvfilter-colorbalance/>  
title: colorbalance  
media types: Video  
description: Adjust the color balance.  
→ looks promising
  - avfilter.colorchannelmixer  
<https://www.mltframework.org/plugins/FilterAvfilter-colorchannelmixer/>  
title: colorchannelmixer  
media types: Video  
description: Adjust colors by mixing color channels.  
→ looks promising

- `avfilter.colorcontrast`

<https://www.mltframework.org/plugins/FilterAvfilter-colorcontrast/>

title: `colorcontrast`

media types: `Video`

description: `Adjust color contrast between RGB components.`

→ looks kind of promising

- `avfilter.colorlevels`

→ Maybe – Adjust the color levels with black point and white point.  
(The Black point is the Darkest set of pixels in an image, while the White point is the Brightest.)

- `avfilter.colortemperature` → Maybe – adjust color temperature of video.

- `frei0r.coloradj_RGB`

[https://www.mltframework.org/plugins/FilterFrei0r-coloradj\\_rgb/](https://www.mltframework.org/plugins/FilterFrei0r-coloradj_rgb/)

title: `coloradj_RGB`

media types: `Video`

description: `Simple color adjustment`

→ looks promising

- `frei0r.colorize`

<https://www.mltframework.org/plugins/FilterFrei0r-colorize/>

title: `colorize`

media types: `Video`

description: `Colorizes image to selected hue, saturation and lightness`

→ looks promising

## References

- [1] Snell Advanced Media (SAM). *MLT FX - User Guide*. Accessed 12.02.2024. 2016. URL: <https://wwwapps.grassvalley.com/docs/Manuals/sam/Post%20and%20Editing/MLT%20FX%20User%20Guide.pdf>.