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Fun music visualizer with FFMPEG 2

Fun music visualizer with FFMPEG

Uh so maybe you want to make cringe videos out of an mp3.
Well I got you.

Here is my current go-to for creating a 4k60 output that uses every ffmpeg visualizer I could find. Even includes a bouncing DVD logo aesthetic with the cover art (second input file).

Output is mpeg2video since I used to do this on a 4th gen Intel Haswell system that would cry encoding 4k at h264. You'll want 1:1 scaling at high bitrate for the vectorscope to look cool.

Have fun!

```
ffmpeg -i "$1" -i "cover.jpg" -filter_complex
"[0:a]showcqt=s=2560x1800:r=60,pad=3840:2160[bg]; \
 [0:a]showfreqs=s=2560x600:ascale=cbrt:fscale=log:r=60[sw]; \
 [0:a]avectorscope=s=1280x1080:r=60[vs]; \
[0:a]showspectrum=mode=combined:color=intensity:scale=cbrt:slide=scroll:fscale
=log:s=1280x480[ss]; \
 [0:a]showwaves=s=1280x480:r=60:mode=line[wv]; \
 [0:a]showvolume=r=60:f=0.5:w=1280:h=60[vl]; \
 [bg][ss]overlay=W-w:H-h[bn]; \
 [bn][wv]overlay=W-w:1200[bt]; \
 [bt][vs]overlay=W-w:0[bm]; \
 [bm][vl]overlay=W-w:1080[bq]; \
 [bq][sw]overlay=0:H-h[ptx]; \
 [ptx]drawtext=fontfile=/usr/share/fonts/noto/NotoSans-
Medium.ttf:fontcolor=white:fontsize=56:x=30:y=30:text='$name'[txt]; \
 [txt][1:v]overlay='if(eq(mod(floor(st(8,t*320)/(W-w)),2),0),mod(ld(8),W-w),W-
w-mod(ld(8),W-w)):if(eq(mod(floor(st(9,t*140)/(H-h)),2),0),mod(ld(9),H-h),H-h-
mod(ld(9),H-h)):eval=frame:repeatlast=1'[out]; \
 " -map "[out]" -map 0:a -c:v mpeg2video -q:v 3 -c:a copy "${name}.mkv";
```

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