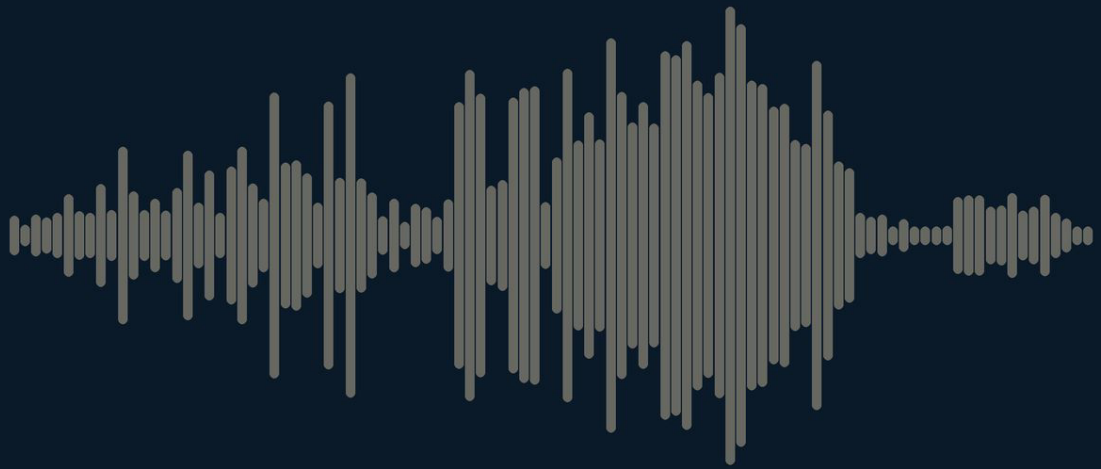
Sync your tunes, Sync your screen

Introducing SyncWall

SyncWall
In action!

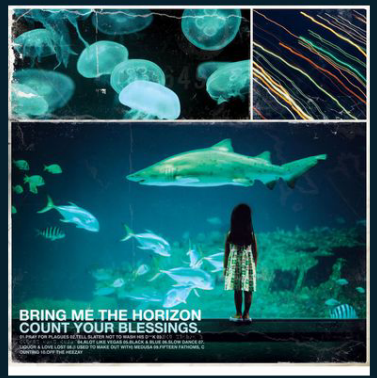
Taste
Sabrina Carpenter

PARENTAL
ADVISORY
EXPLICIT CONTENT



Billie Eilish
WILDFLOWER

Suffocate (feat. Poppy)
Knocked Loose



Pray For Plagues
Bring Me The Horizon

00:00 04:21

What's My Age Again?
blink-182

AND THAT'S ABOUT THE TIME SHE WALKED
AWAY FROM ME
NOBODY LIKES YOU WHEN YOU'RE
TWENTY-THREE
AND ARE STILL MORE AMUSED BY
TV SHOWS
WHAT THE HELL IS ADD?
MY FRIENDS SAY I SHOULD ACT MY AGE
WHAT'S MY AGE AGAIN?
WHAT'S MY AGE AGAIN?

Application workflow

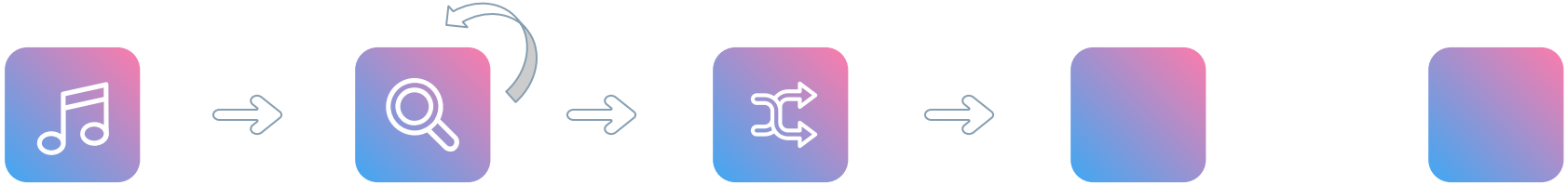
Start listen to some music!

Application workflow

Start listen to some music!

Check for a new song being played

Application workflow

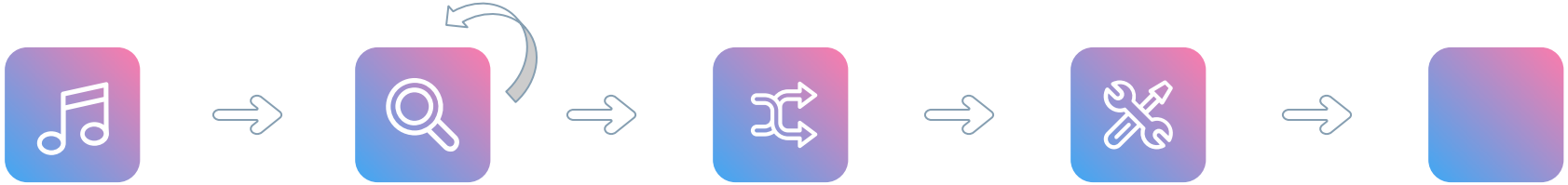


Start listen to some music!

Check for a new song being played

Choose a random mode

Application workflow



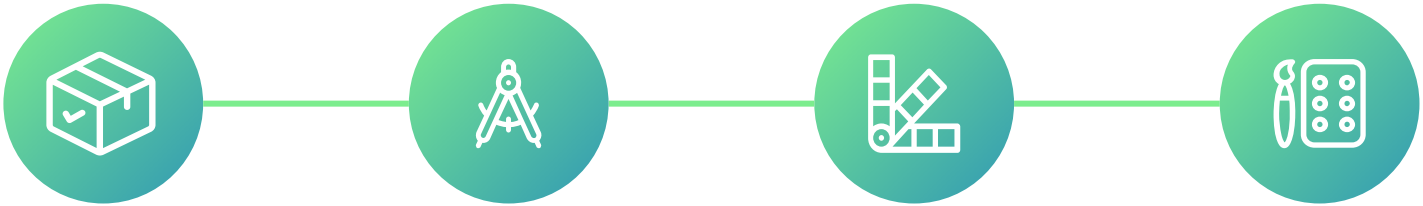
Start listen to some music!

Check for a new song being played

Choose a random mode

Generate the wallpaper

From numbers to waves



Get

Download song analysis from Spotify

Reduce

Take a part of sample to speed up

Convert

Remember: dB is logarithmic!

Draw

The screen is your canvas!

From numbers to waves

Building the gradient

PIL doesn't implement actual gradient, so we need to built it in our own

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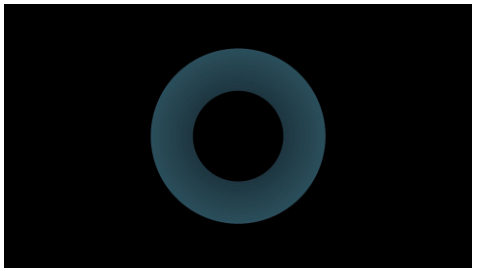
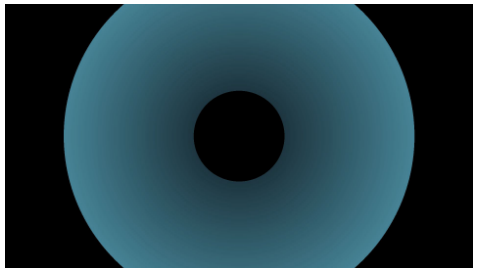
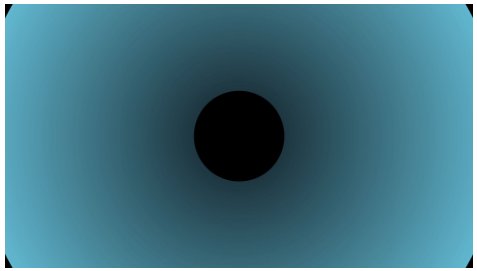
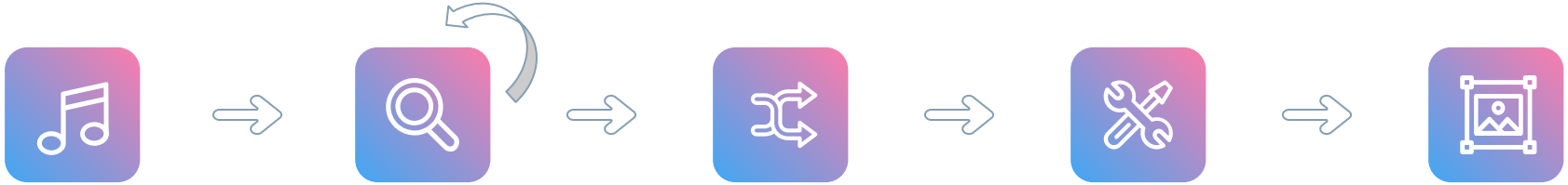






Application workflow



Start listen to some music!

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Choose a random mode

Generate the wallpaper

Apply the wallpaper

Applying wallpapers

Each Desktop Environment handles Background differently!
What's needed?

- Get the current background
- Set an image as Wallpaper

Roadmap

DE Compatibility

MacOS Compatibility

GNOME extension

New modes

Thanks for attention!

@genricoloni