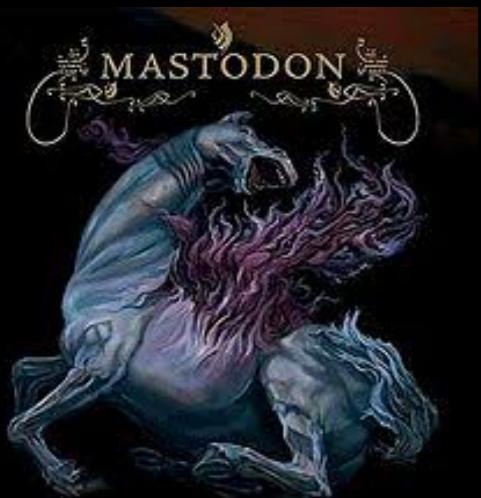
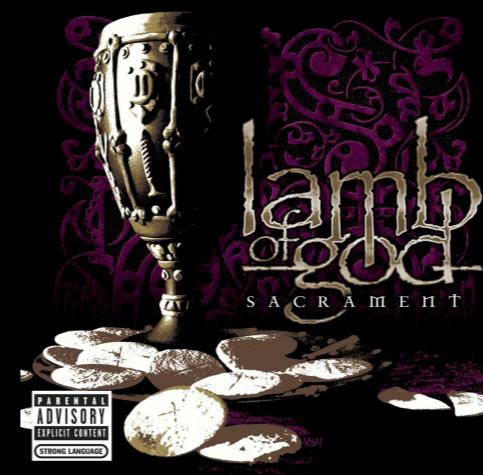
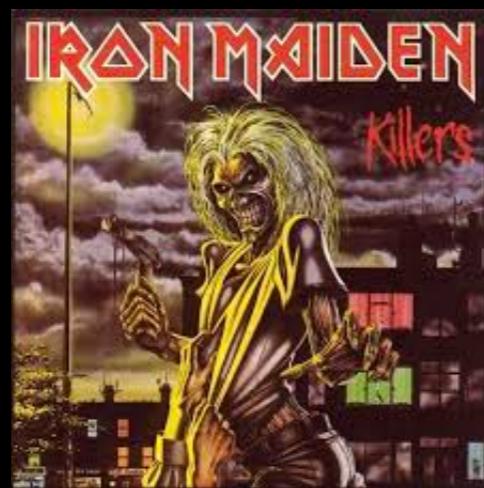


Visualization of album
covers according to
genre

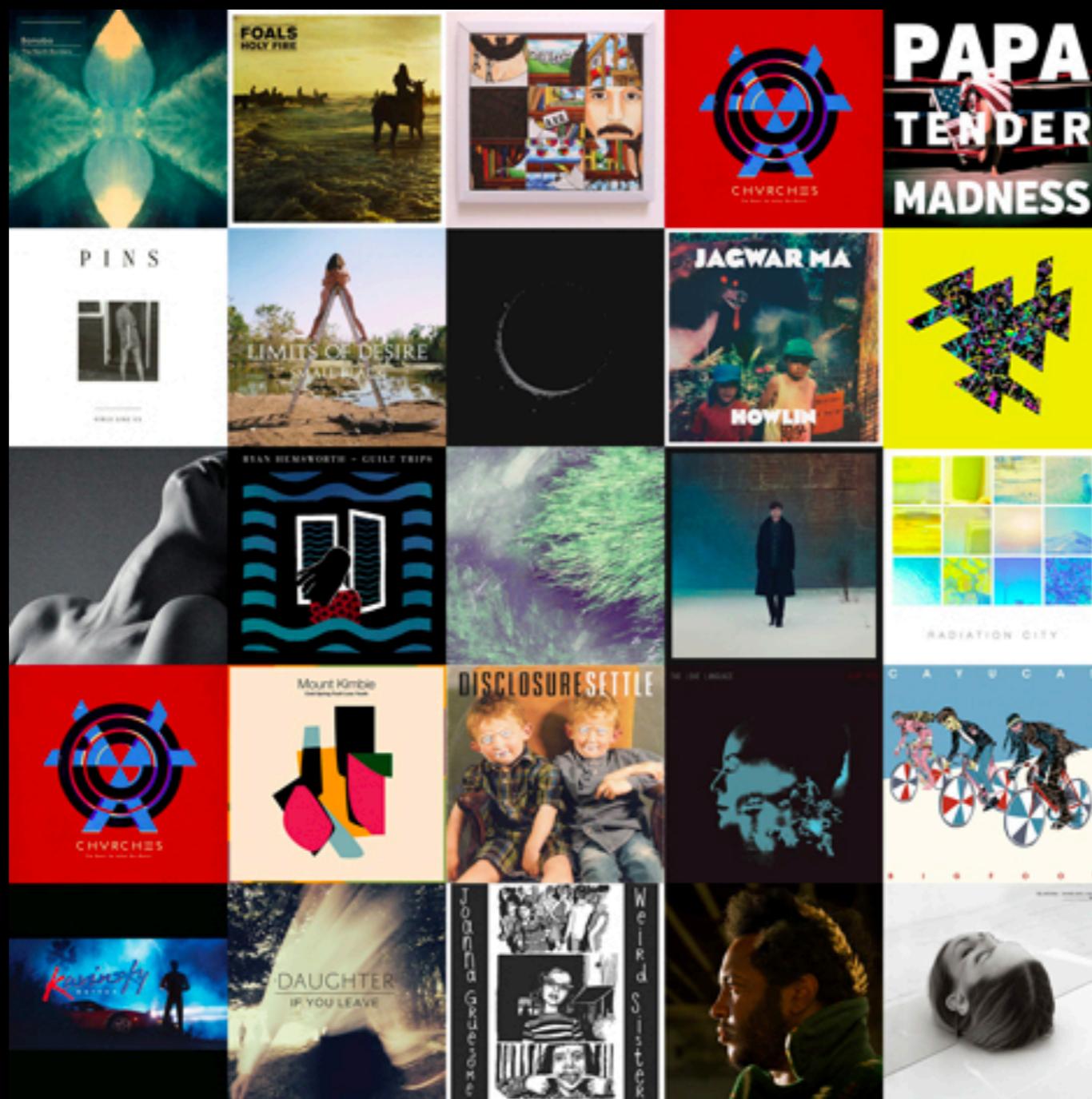
Metal



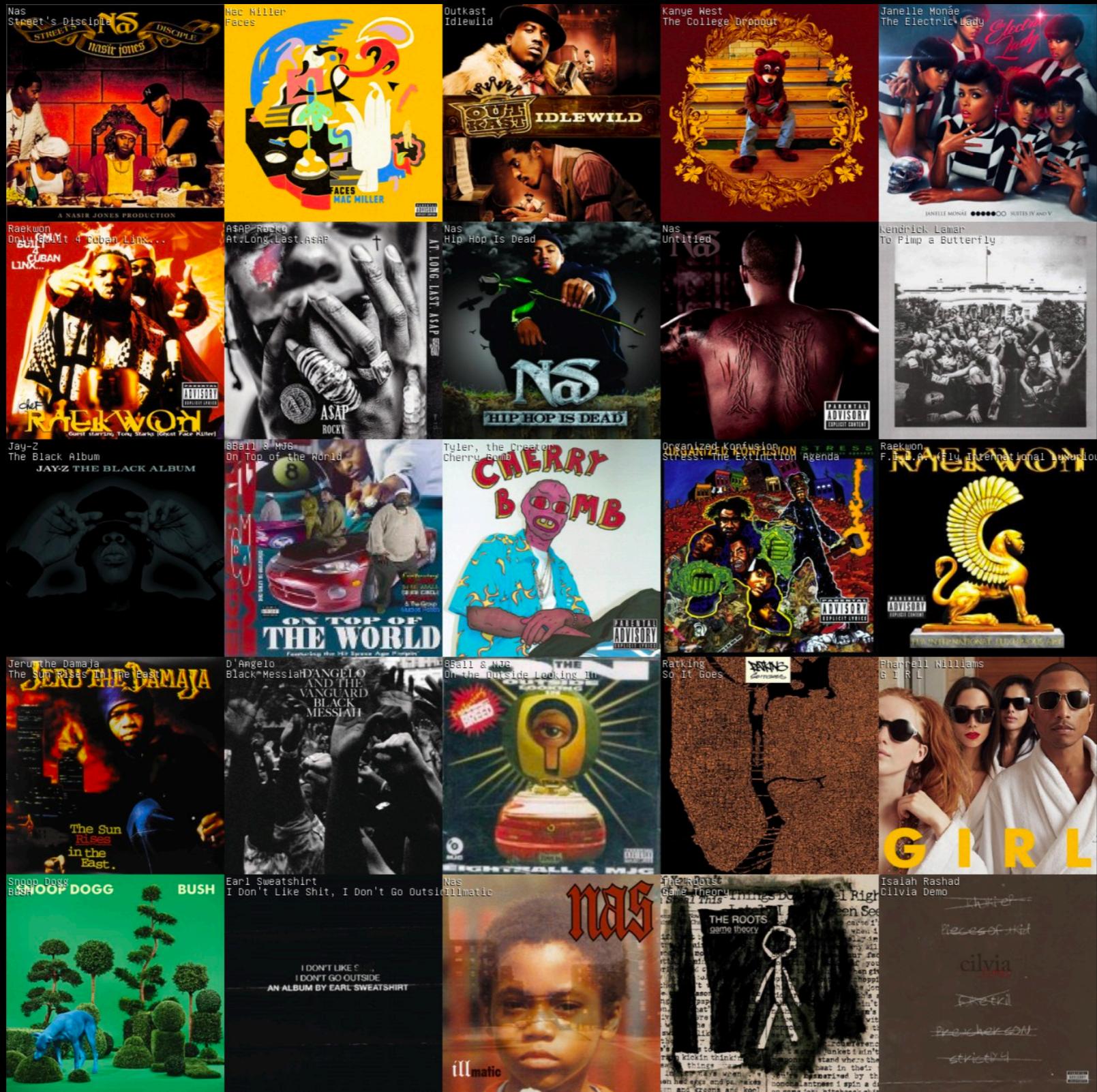
Above all other genres, there is a definitive stereotype associated with metal:

- Black is recurring theme
- Color usually complements the actual music content

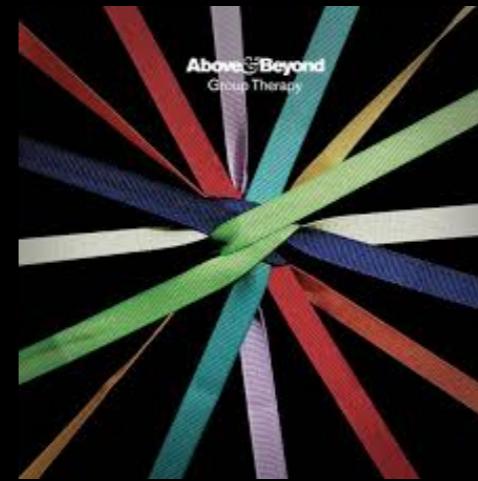
Indie



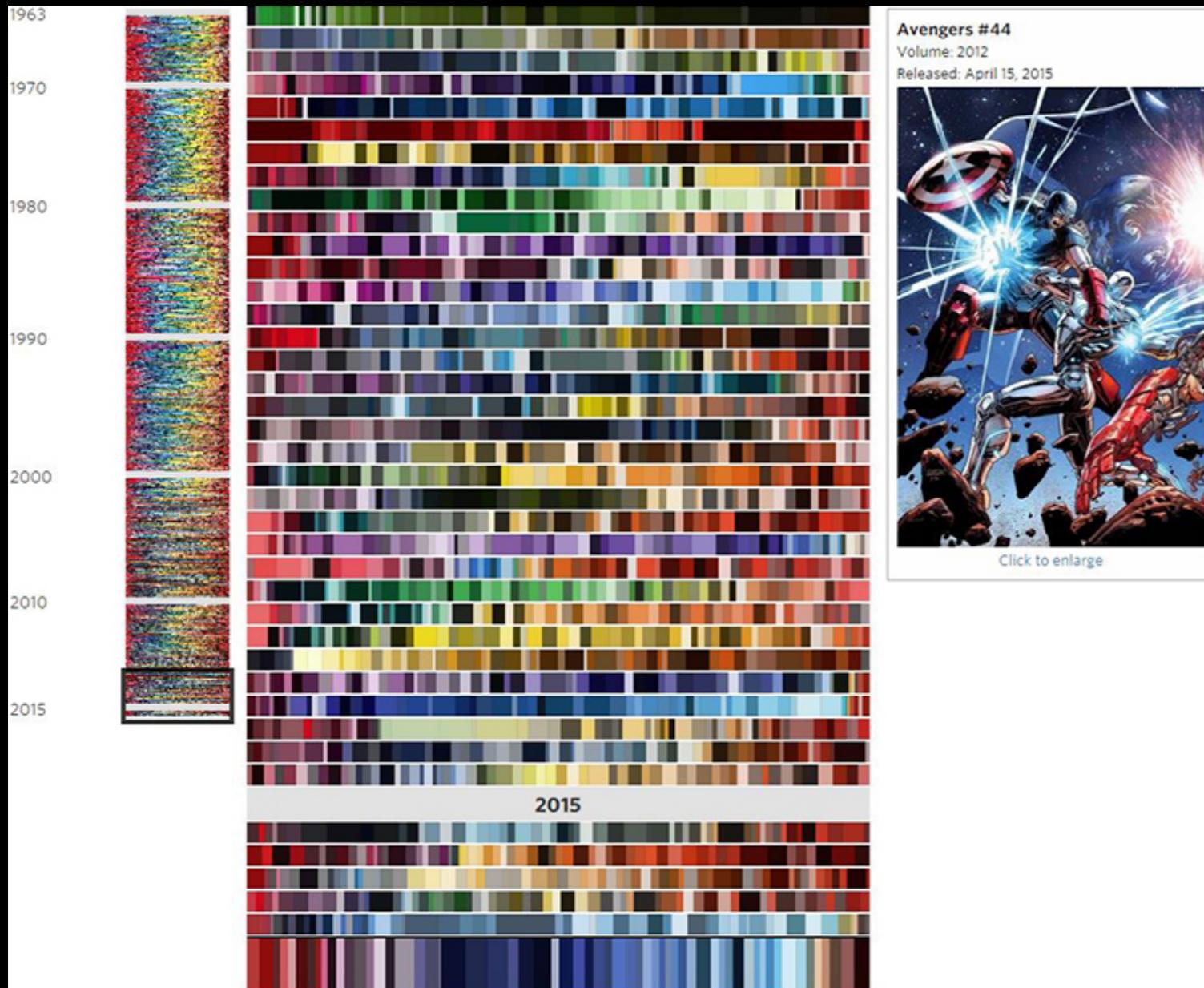
Hip-hop/RnB



Electronic



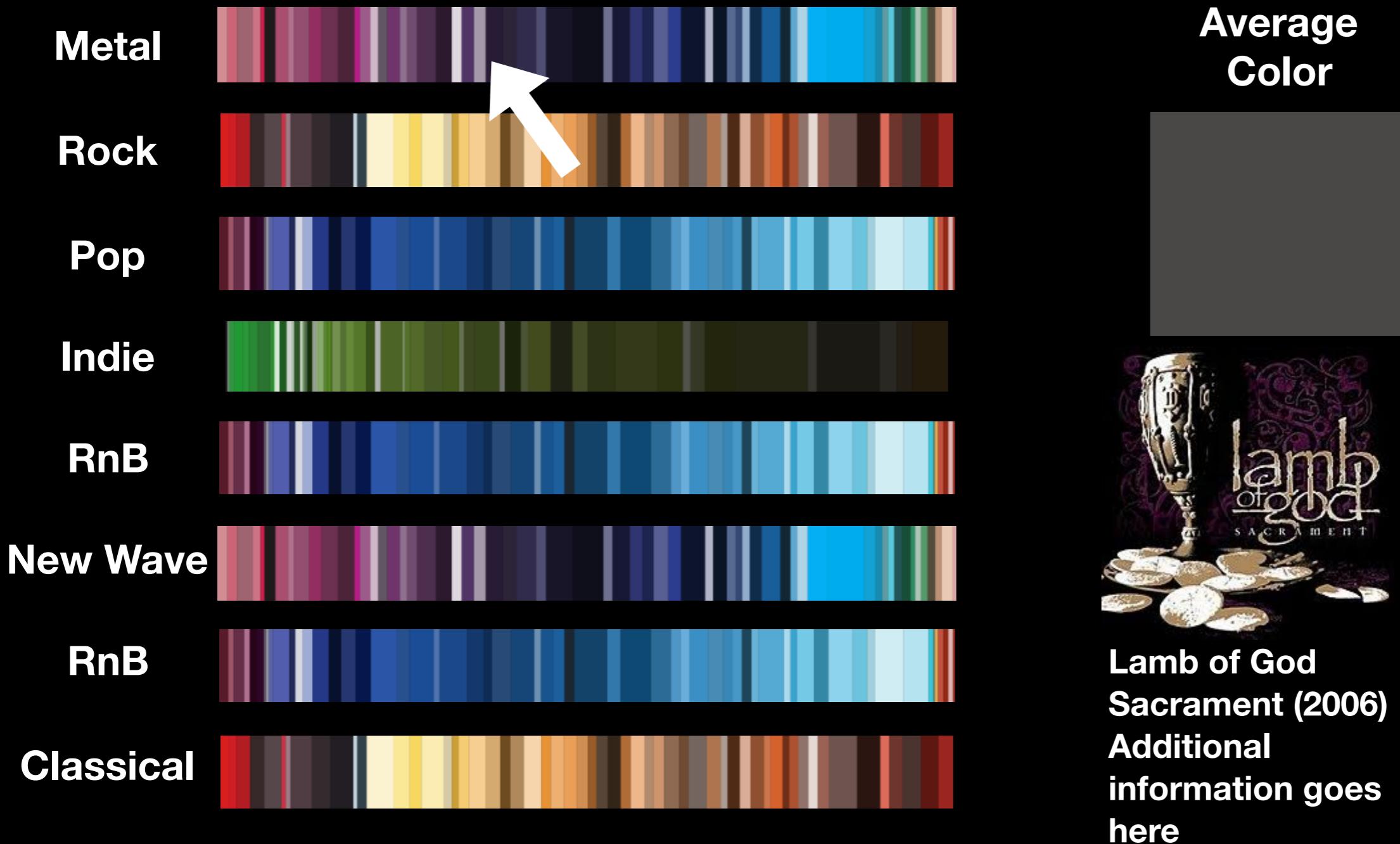
Avengers' Comic Book Covers over the years



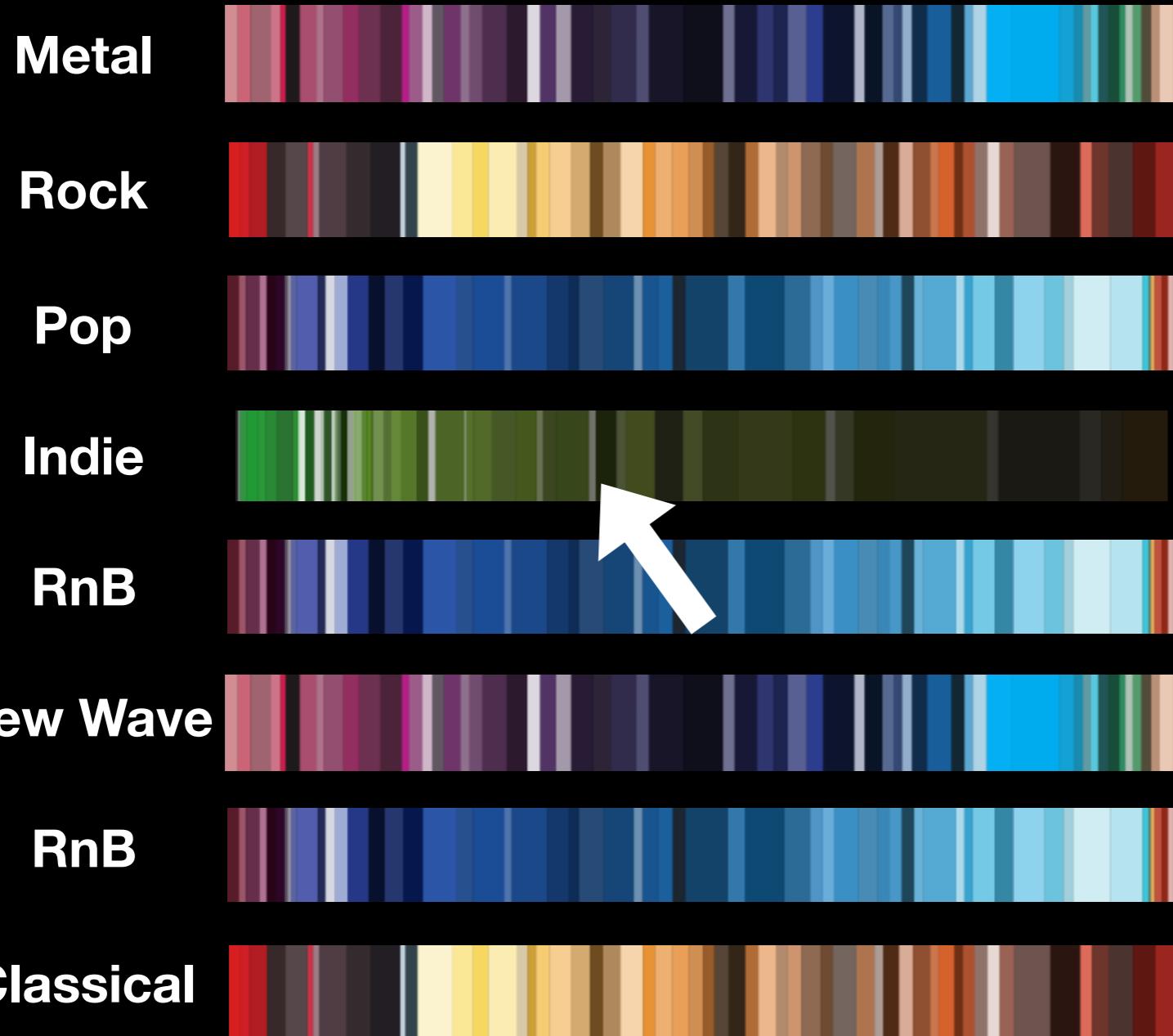
<http://graphics.wsj.com/avengers/>

- Each Avengers cover was analysed and reduced to 64 colours
- Colors were then counted and plotted to generate a palette
- Colors sorted by hue
- Key finding: Recent covers compared with early ones shows a pronounced difference in how color is used

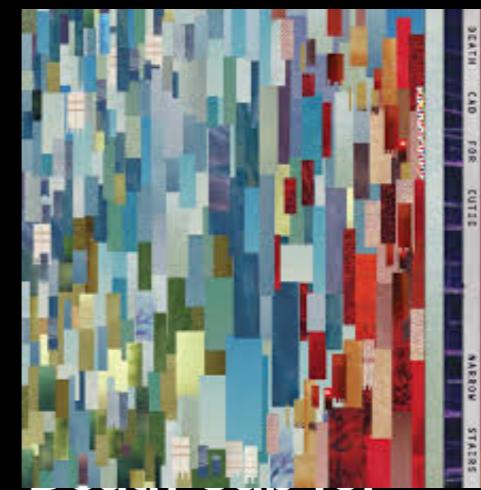
Visualization of album covers according to genre



Visualization of album covers according to genre

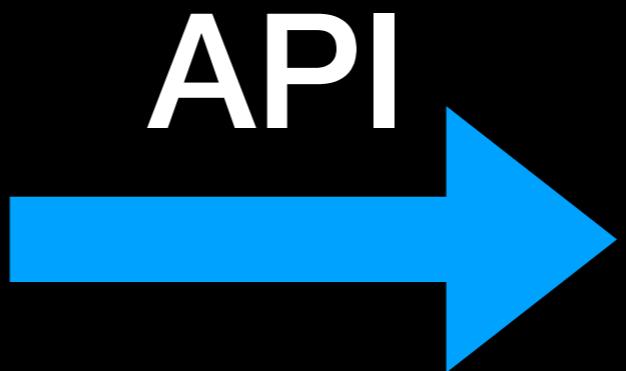
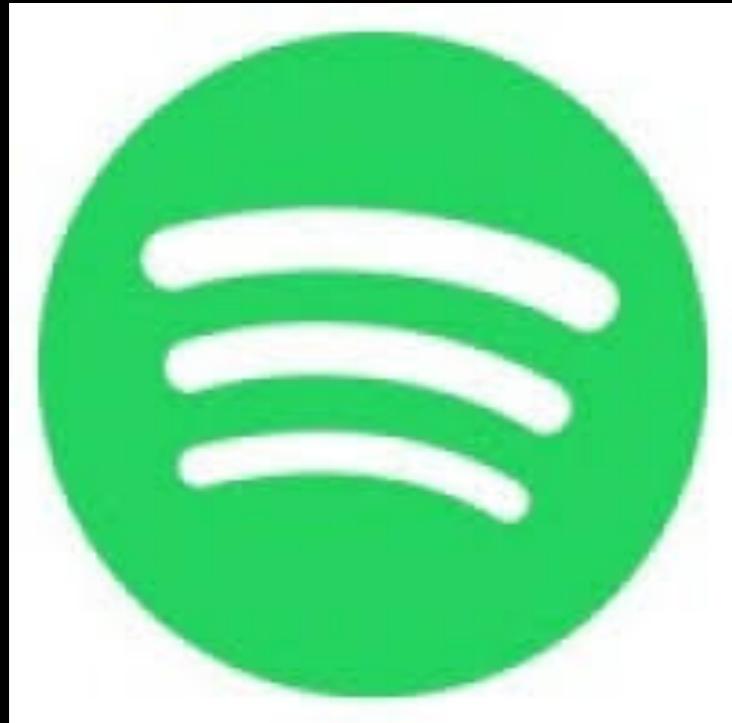


Average
Color



Cutie
Sacrament (2008)
Additional
information goes
here

Methodology



Data

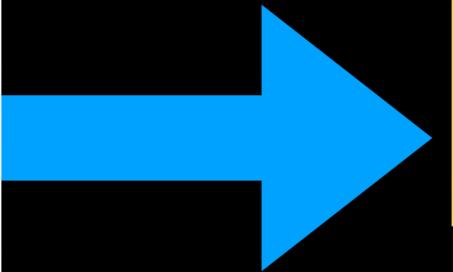
1. SCDN HTML to Album Art
2. Genre
3. Metadata
 - Artist Name
 - Album Year of Release
 - Artist Spotify ID

Methodology

Spotify API JSON Output

```
album_type: "album",
artists: [
  {
    external_urls: {
      spotify: "https://open.spotify.com/artist/0TnOYISbd1XYRBk9myaseg"
    },
    href: "https://api.spotify.com/v1/artists/0TnOYISbd1XYRBk9myaseg",
    id: "0TnOYISbd1XYRBk9myaseg",
    name: "Pitbull",
    type: "artist",
    uri: "spotify:artist:0TnOYISbd1XYRBk9myaseg"
  }
],
available_markets: [
```

Python program to download > 5000 album covers (per genre) to a repository



Methodology



Python program
calculate average
color of an album art

Hex Code: #800080

Methodology

Average color in
Hexadecimal

#800080

#801080

#156345

#657764

#213112

#345122

#345345

#793421



Sort

Sorted List
(Ascending)

#156345

#213112

#345122

#345345

#657764

#793421

#800080

#801080

Methodology

Sorted List
(Ascending)

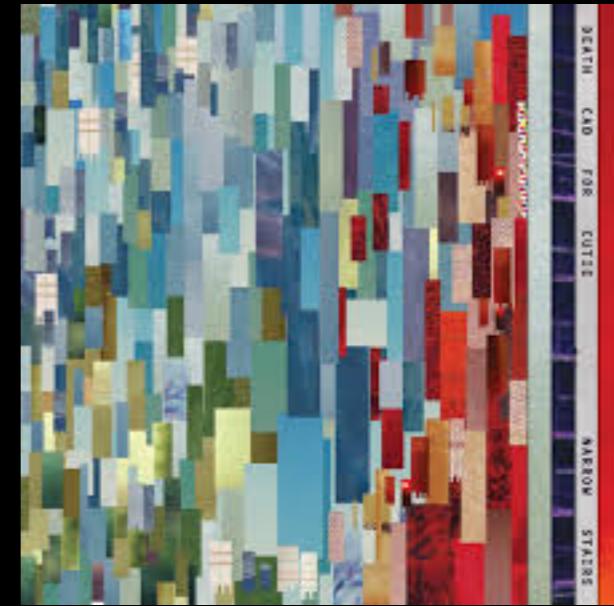
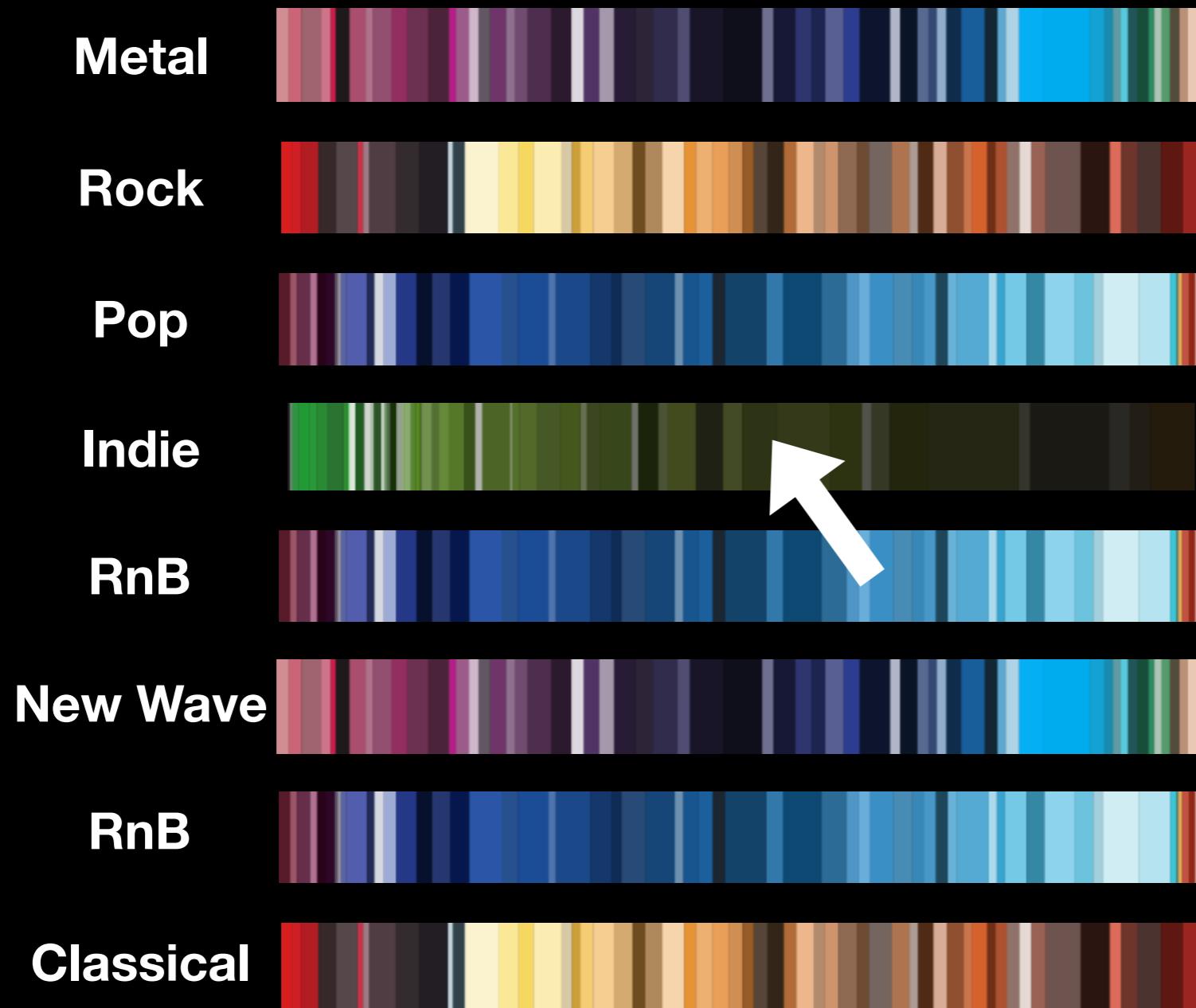
#156345
#213112
#345122
#345345
#657764
#793421
#800080
#801080



Visualize
hexadecimal data to
color palette



Visualization of album covers according to genre



**Death Cab for Cutie
Sacrament (2008)**
Additional information
goes here