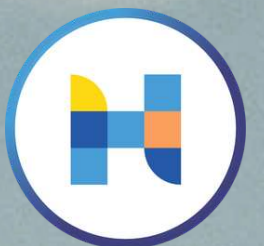


Olivia Rodrigo

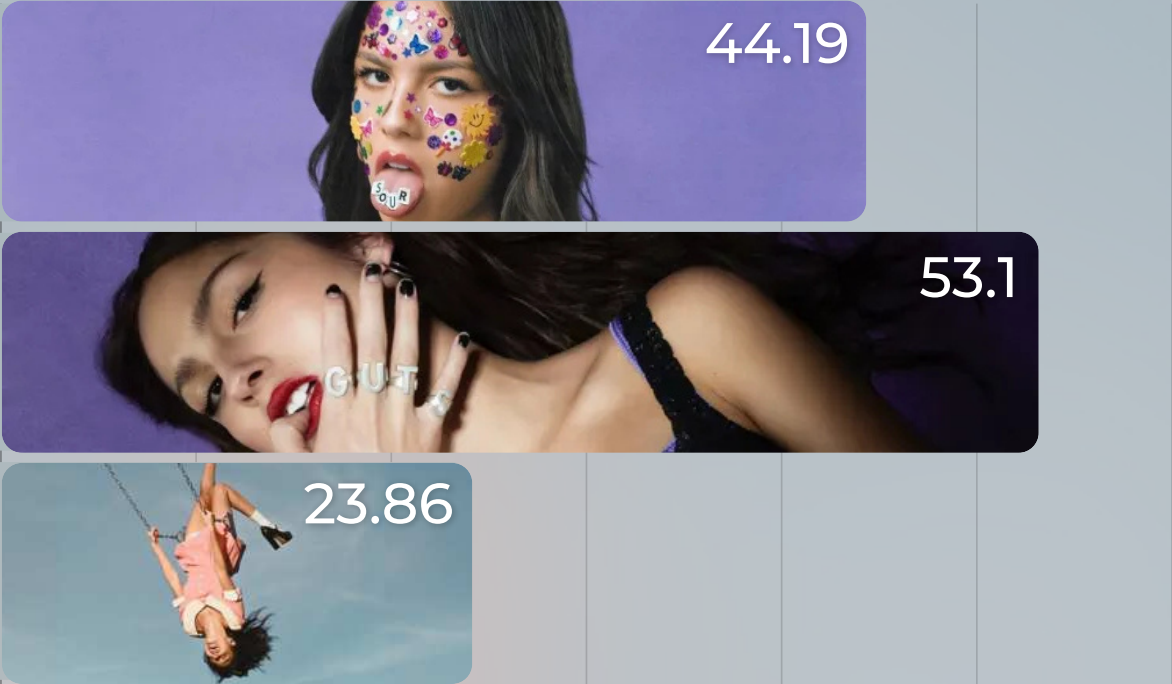
Songwriting Stats



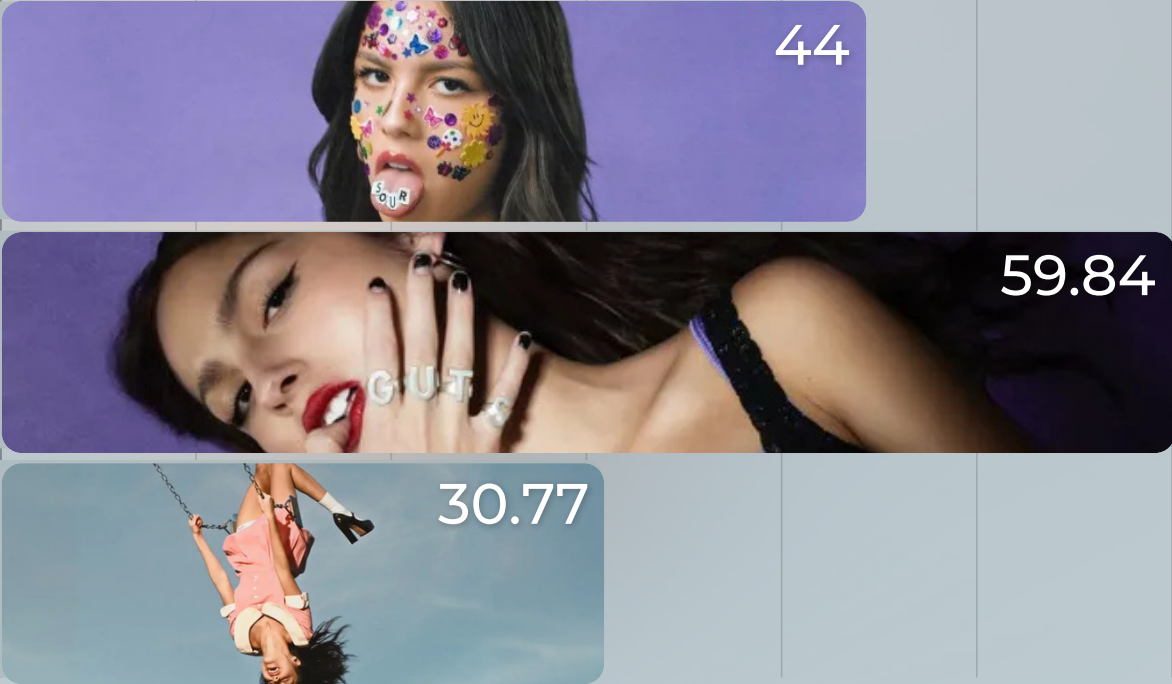
Chord Comparison

Learn more about these metrics on our last slide →

Chord Complexity

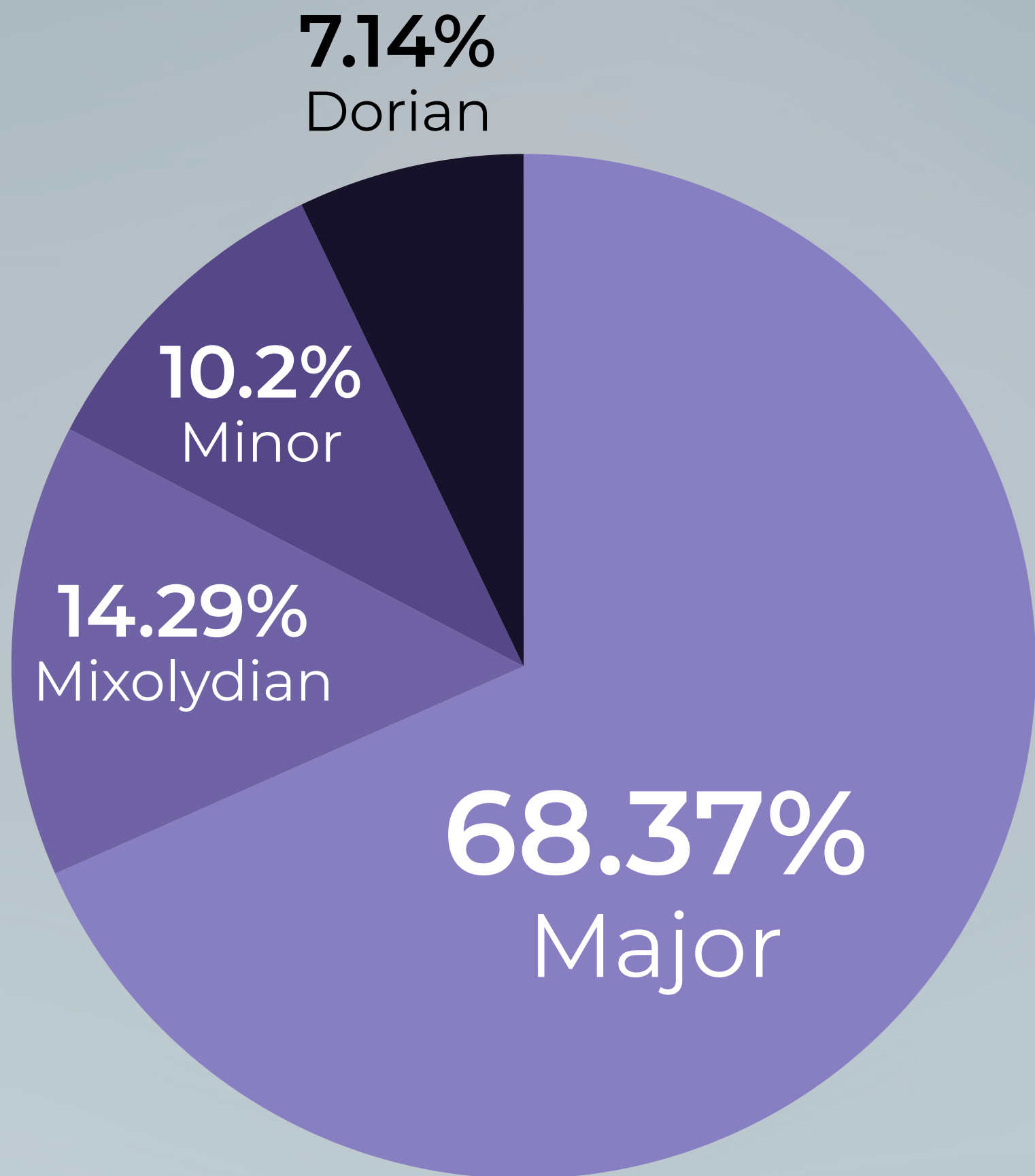


Chord Progression Novelty



Olivia's Favorite Scales

across her entire catalog

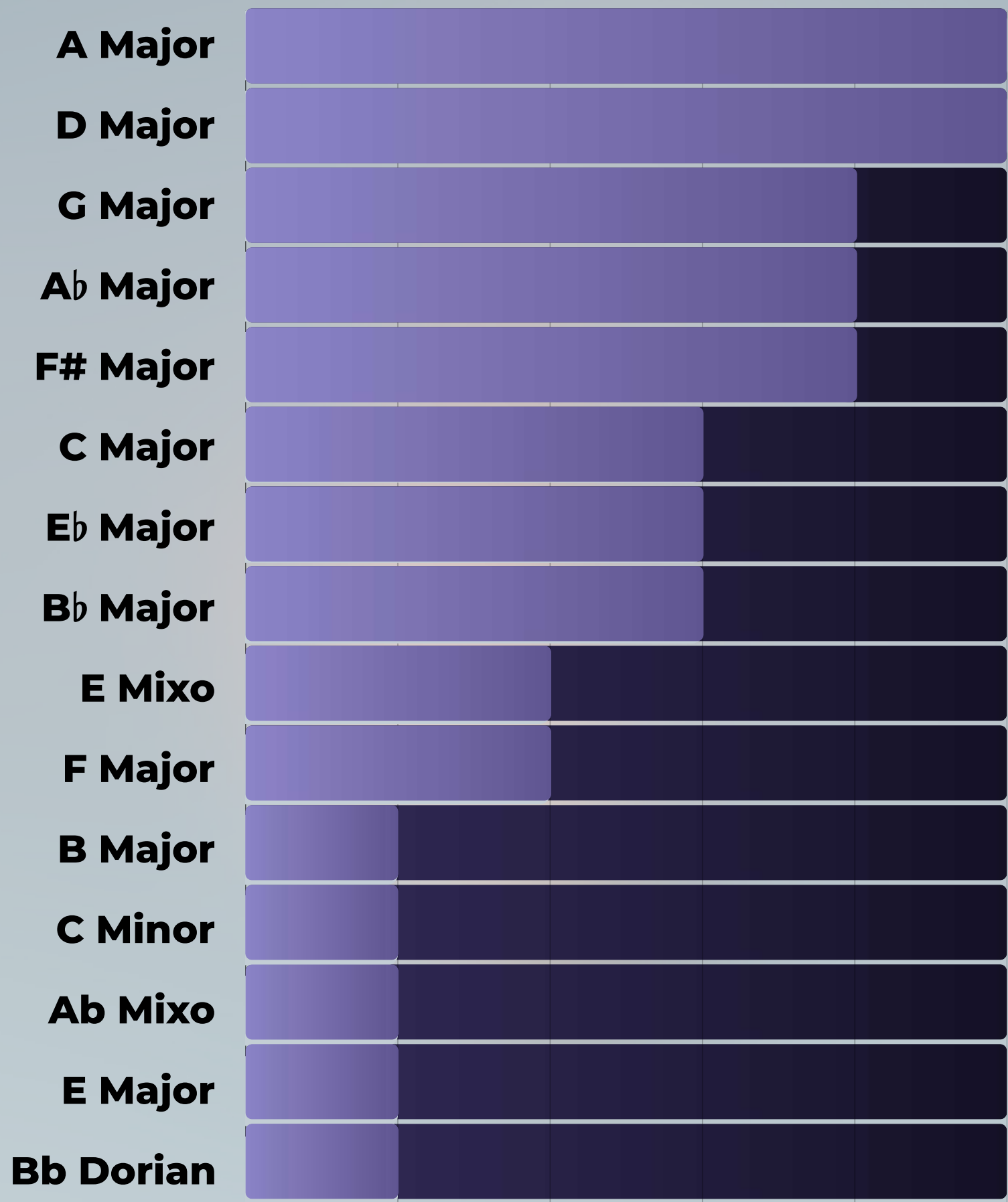


Two songs on *you*
seem pretty sad for a
girl so in love are in
Mixolydian.

THE BRIDGE OF "THE CURE" AND
THE CHORUS OF "EXPECTATIONS"

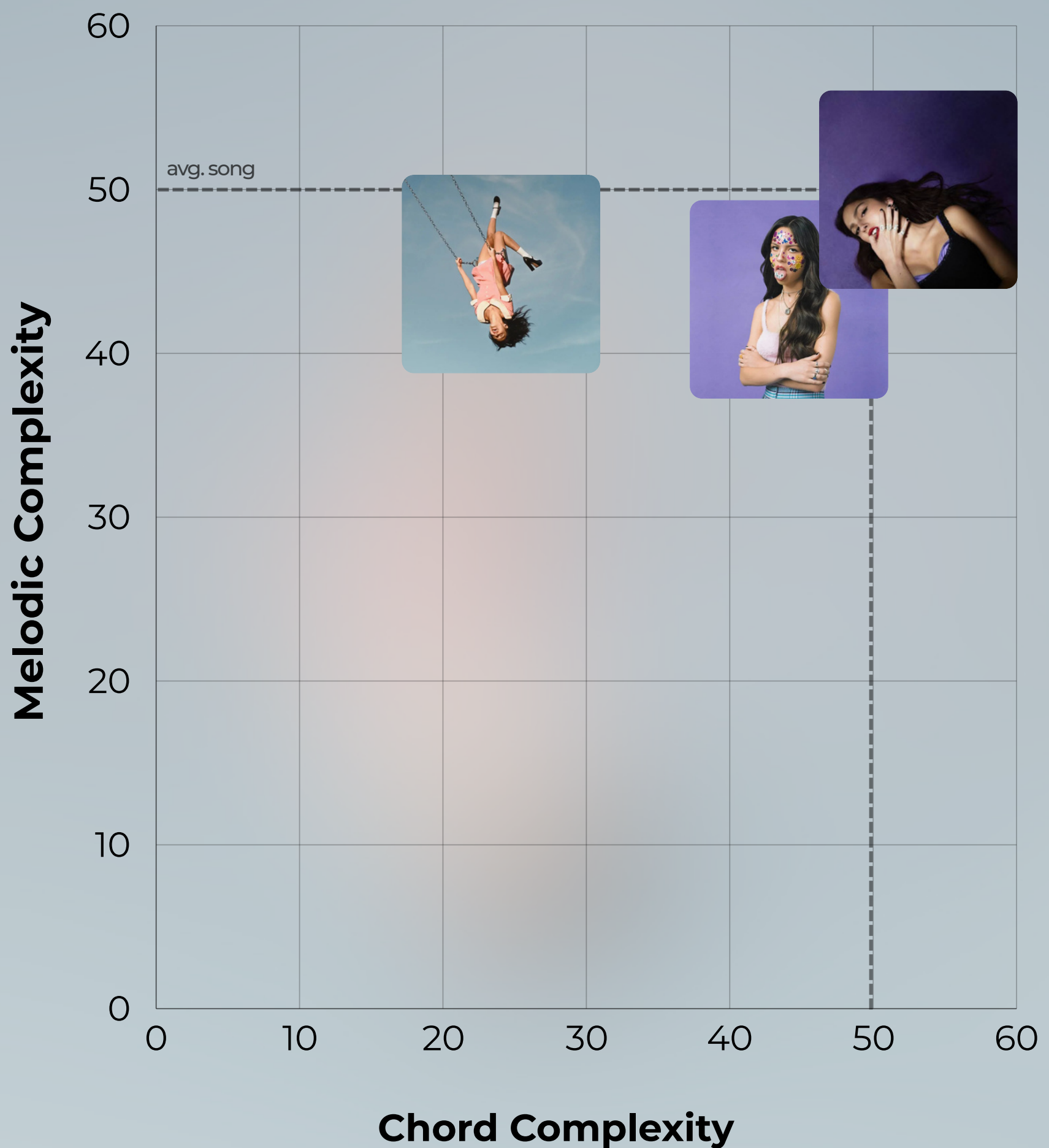


Olivia's Favorite Keys



Melody vs. Harmony

Learn more about these metrics on our last slide →



Most Unique Chord Progressions



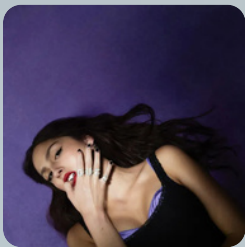
1 jealousy jealousy 95.41



2 bad idea right? 93.64



3 the grudge 88.52



4 scared of my guitar 87.5



5 making the bed 87.064

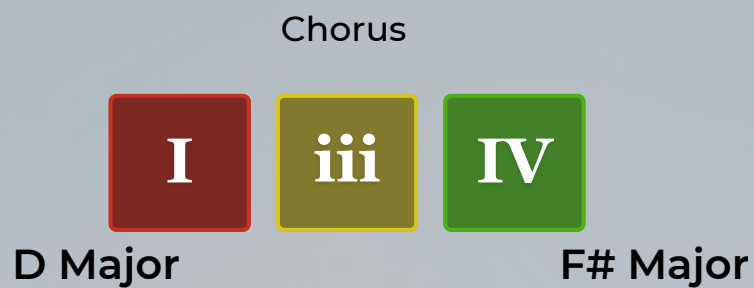


Same but different

Same chord progression, completely different song.



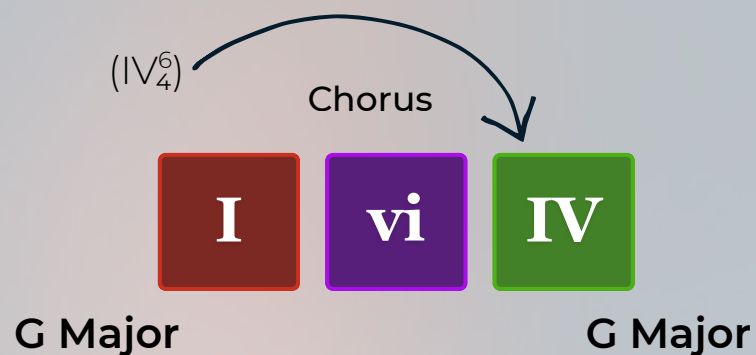
1 Step Forward 3 Steps Back



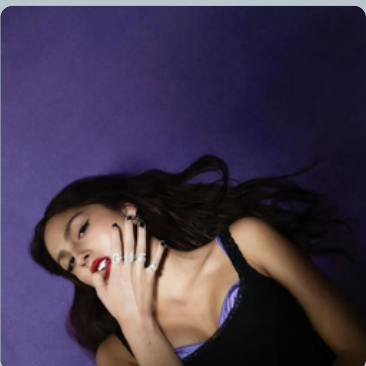
all-american bitch



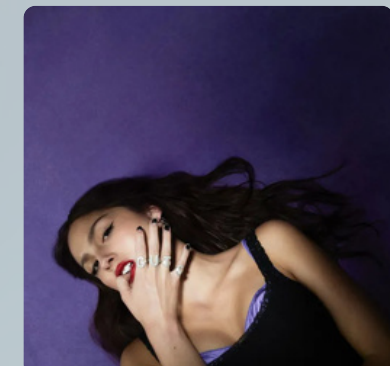
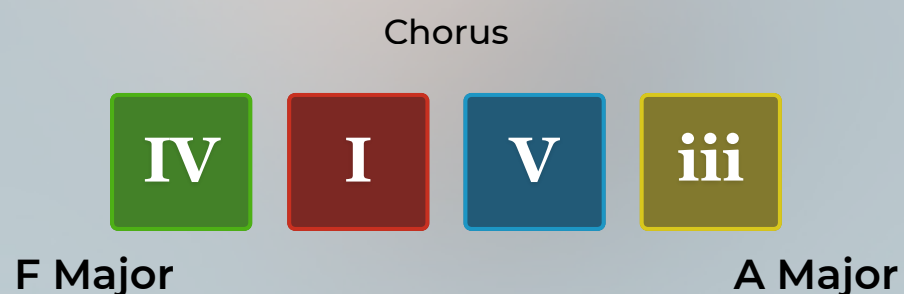
Enough for You



u+me=<3



get him back



love is embarrassing



Chord Tone Use

How often a melody note lands inside the chord.

0.7

0.6

0.5

0.4

0.3

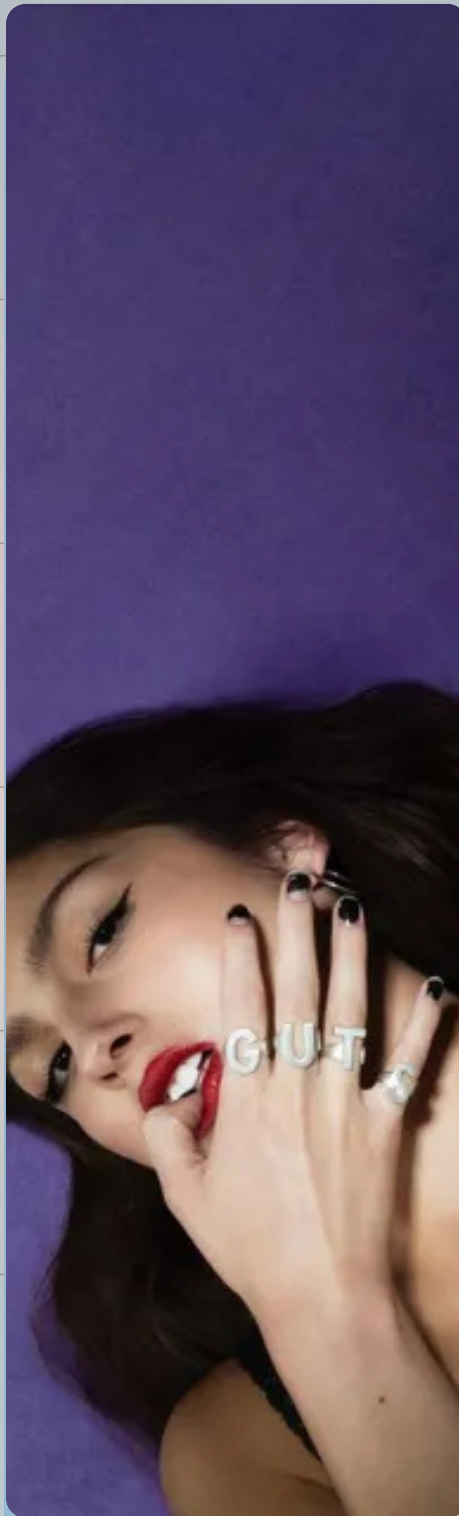
0.2

0.1

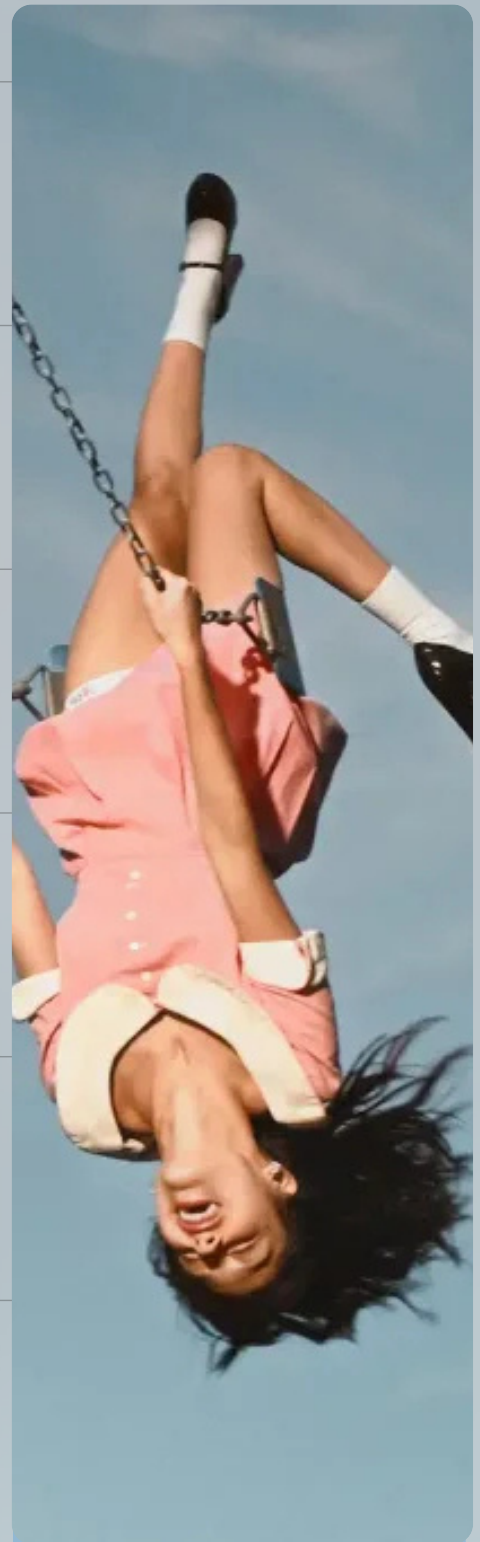
0.0



sour



guts



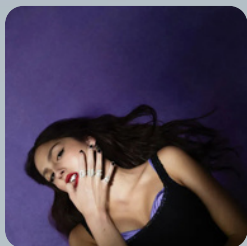
you seem pretty sad...



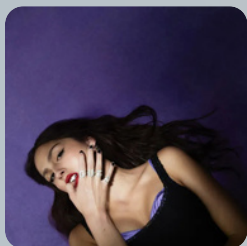
Songs with the Highest Chord-Melody Tension



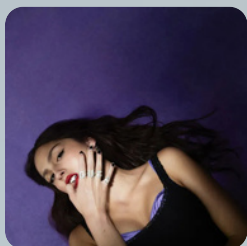
1 bad idea right? 98.79



2 obsessed 98.30



3 vampire 97.33



4 all-american bitch 90.71



5 stupid song 88.672



Melodic Rhythm

How melody notes interact with rhythm



*you seem pretty sad for
a girl so in love is the
least vocally-rangey
album yet.*

SOUR AND GUTS HAVE WIDER
VOCAL RANGES IN THEIR MELODIES



Album Tempo Comparison

Calculated by average album tempo (BPM)

150

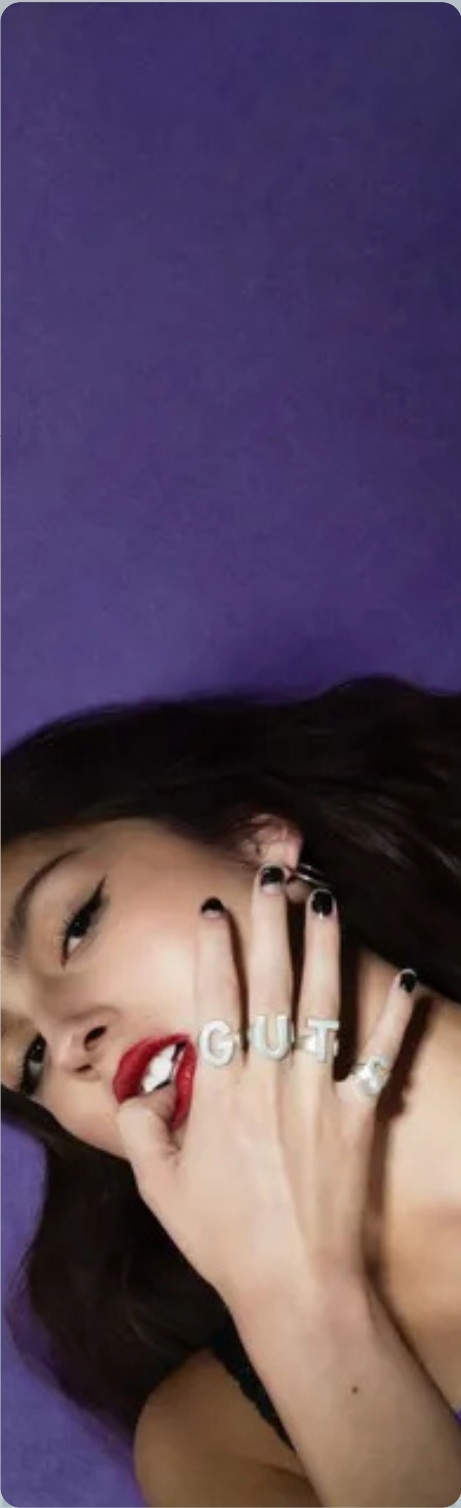
100

50

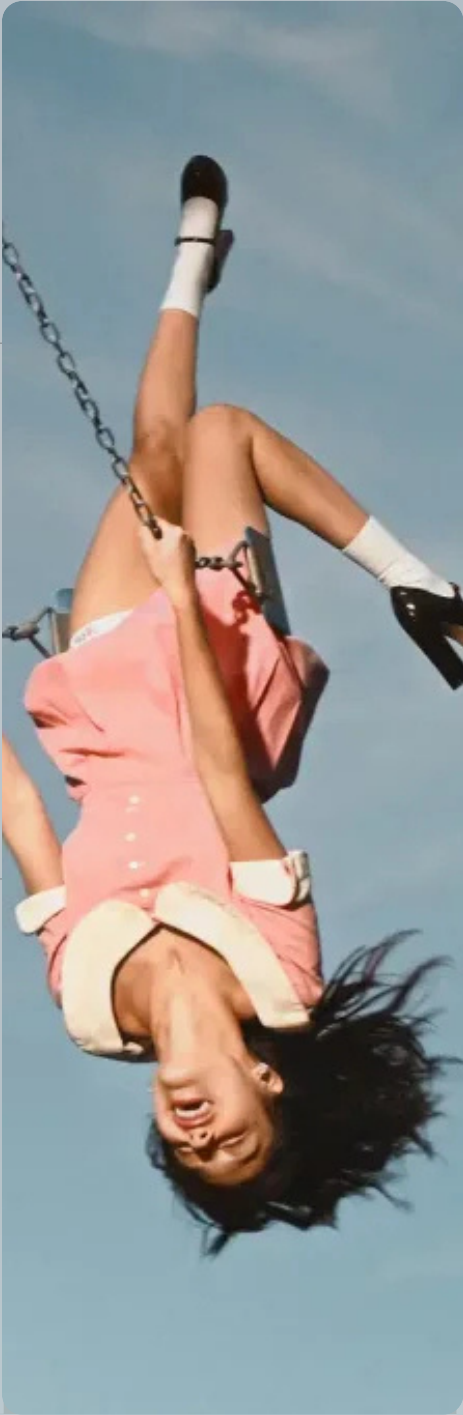
0



sour



guts

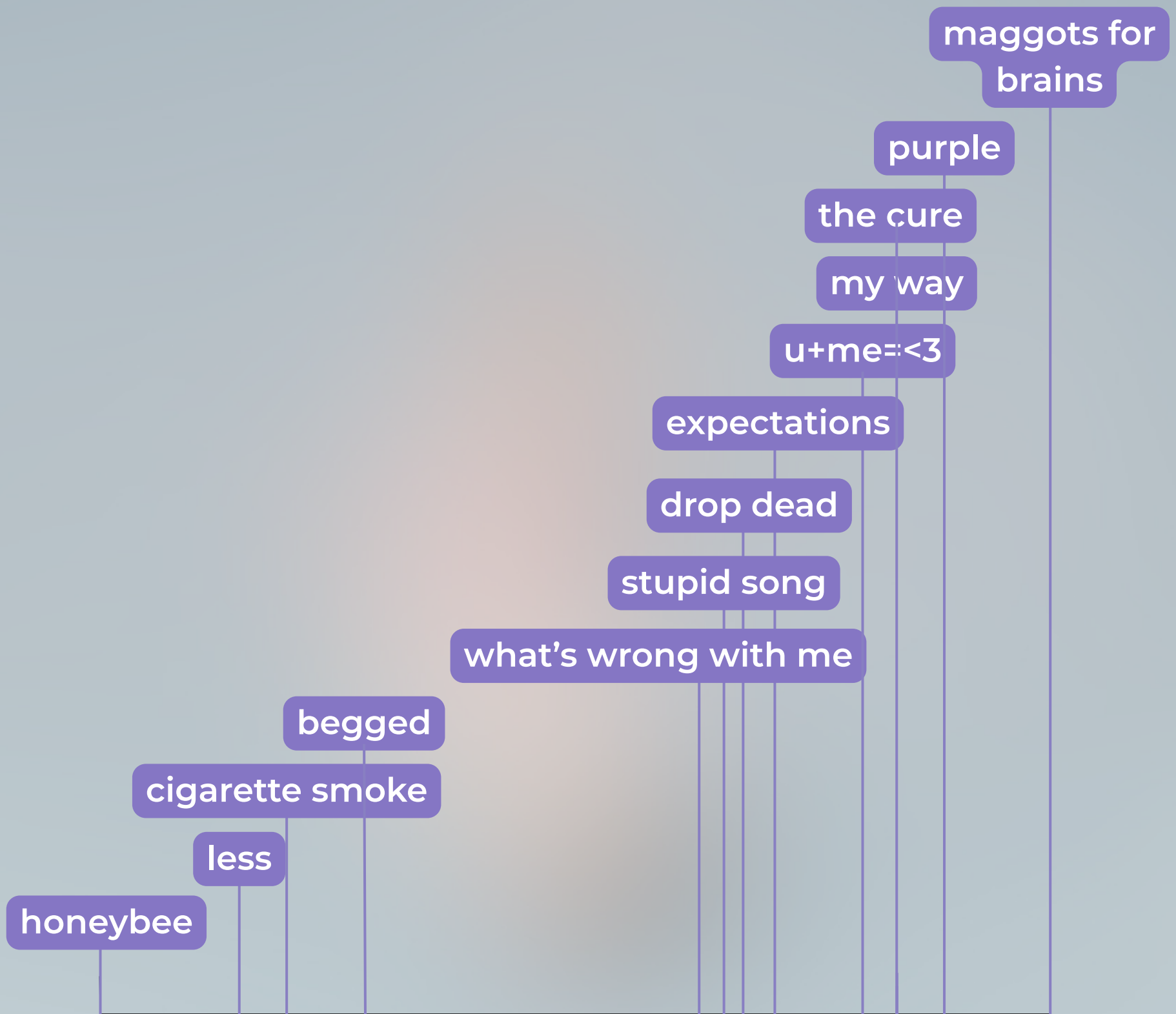


you seem pretty sad...



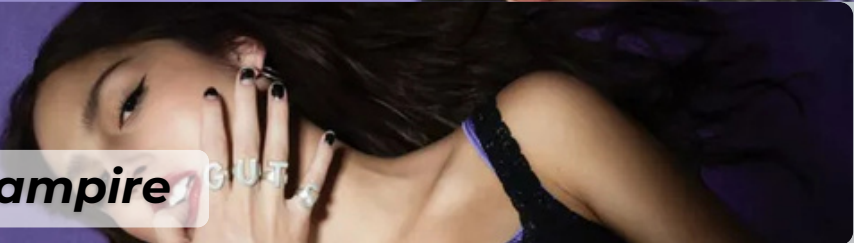
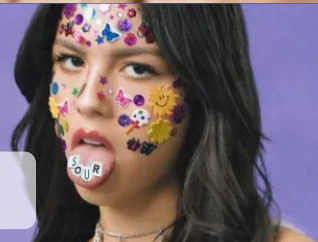
Song by BPM

*you seem pretty sad for a girl so I love songs from
slowest to fastest*



Top Charting Songs

Ranked by most weeks

	good 4 u	51 Weeks		
	vampire	35 Weeks		
	deja vu	29 Weeks		
	drivers license	28 Weeks		
	traitor	25 Weeks		
	get him back!	20 Weeks		
	bad idea right?	19 Weeks		



About Our Metrics

More at [Hooktheory.com](https://hooktheory.com)

Chord Complexity

Chord Complexity tracks when a song goes **beyond simple three-note chords**—either by adding **extra tones** (like 7ths or add9s) or by borrowing notes from **outside the key**—creating richer, more sophisticated harmonies.

Melodic Complexity

Melodic Complexity reflects two factors: the use of **notes outside the key** and **rhythmic syncopation**, together capturing how intricate or surprising a melody feels.

Chord-Melody Tension

Chord-Melody Tension quantifies how often **melody notes fall outside the current chord**, producing dissonance that creates a sense of instability

Chord Progression Novelty

Chord Progression Novelty measures how **uncommon a song's chord changes** are compared to others in the Hooktheory database, highlighting progressions that deviate from typical patterns.

Chord Bass Melody

Chord-Bass Melody evaluates how smoothly the bass moves between chords, scoring higher when it travels **step-wise, ascending or descending**, instead of jumping directly between root position chords.

