

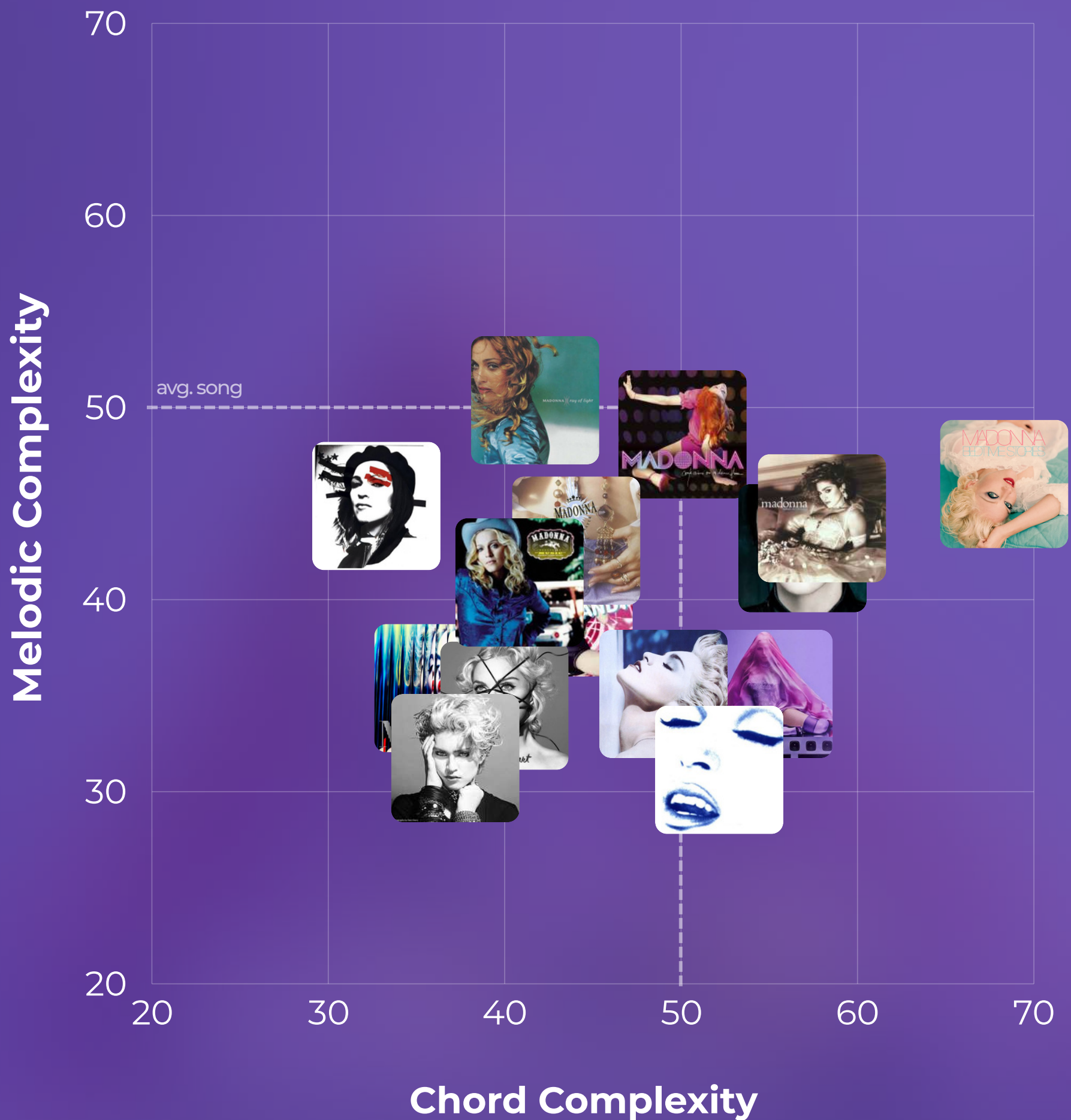
Madonna

Songwriting Stats



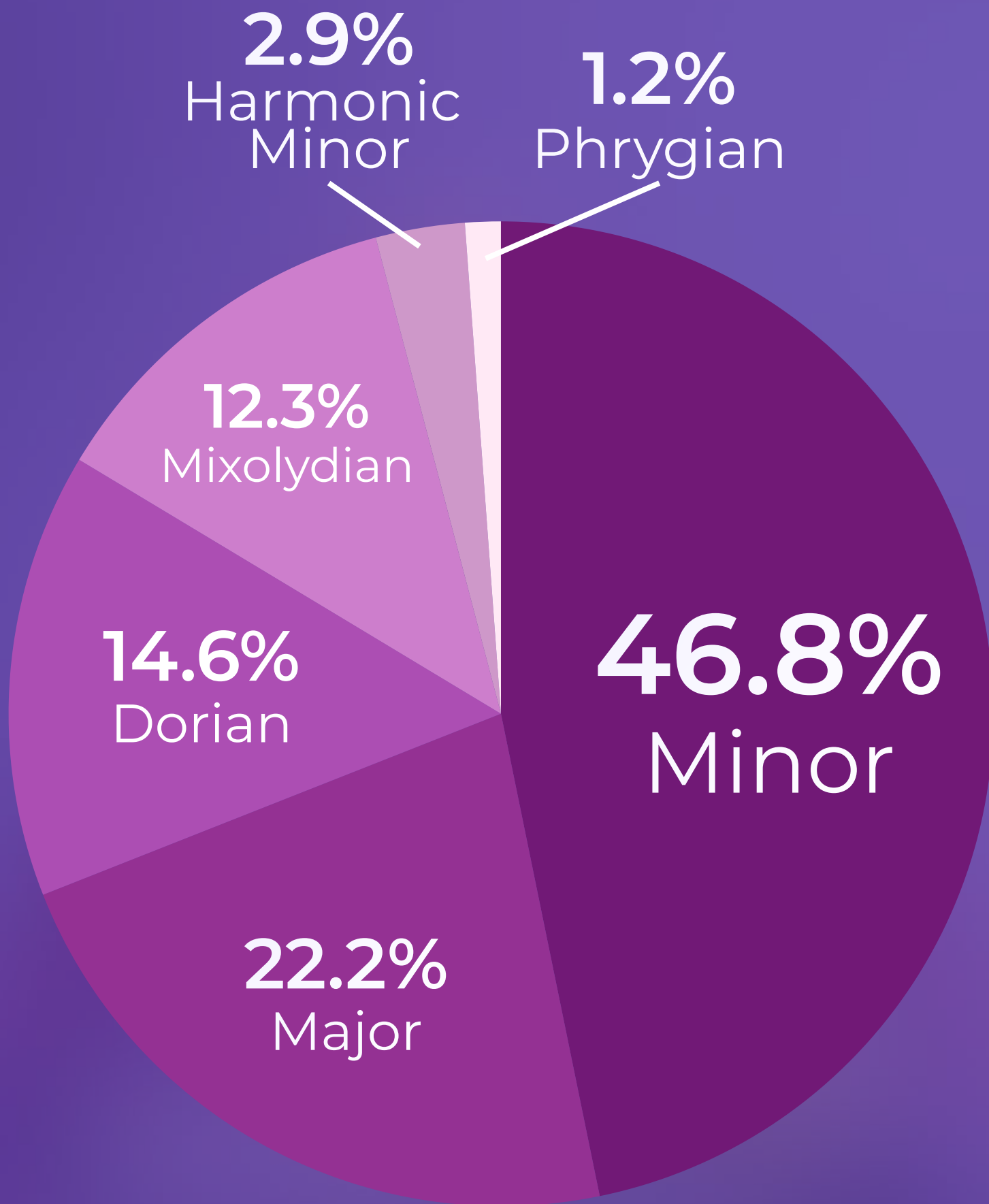
Melody vs. Harmony

Learn more about these metrics on our last slide →



Madonna's Favorite Scales

across her entire catalog



Two Thirds of *Confessions II* are in a minor key.

BRING YOUR LOVE, BETRAYAL, BIZARRE,
FRAGILE, GOOD FOR THE SOUL, I FEEL SO
FREE, LOVE WITHOUT WORDS, MY SINS
ARE MY SAVIOR, ONE STEP AWAY, **AND**
READ MY LIPS



Album Tempo Comparison

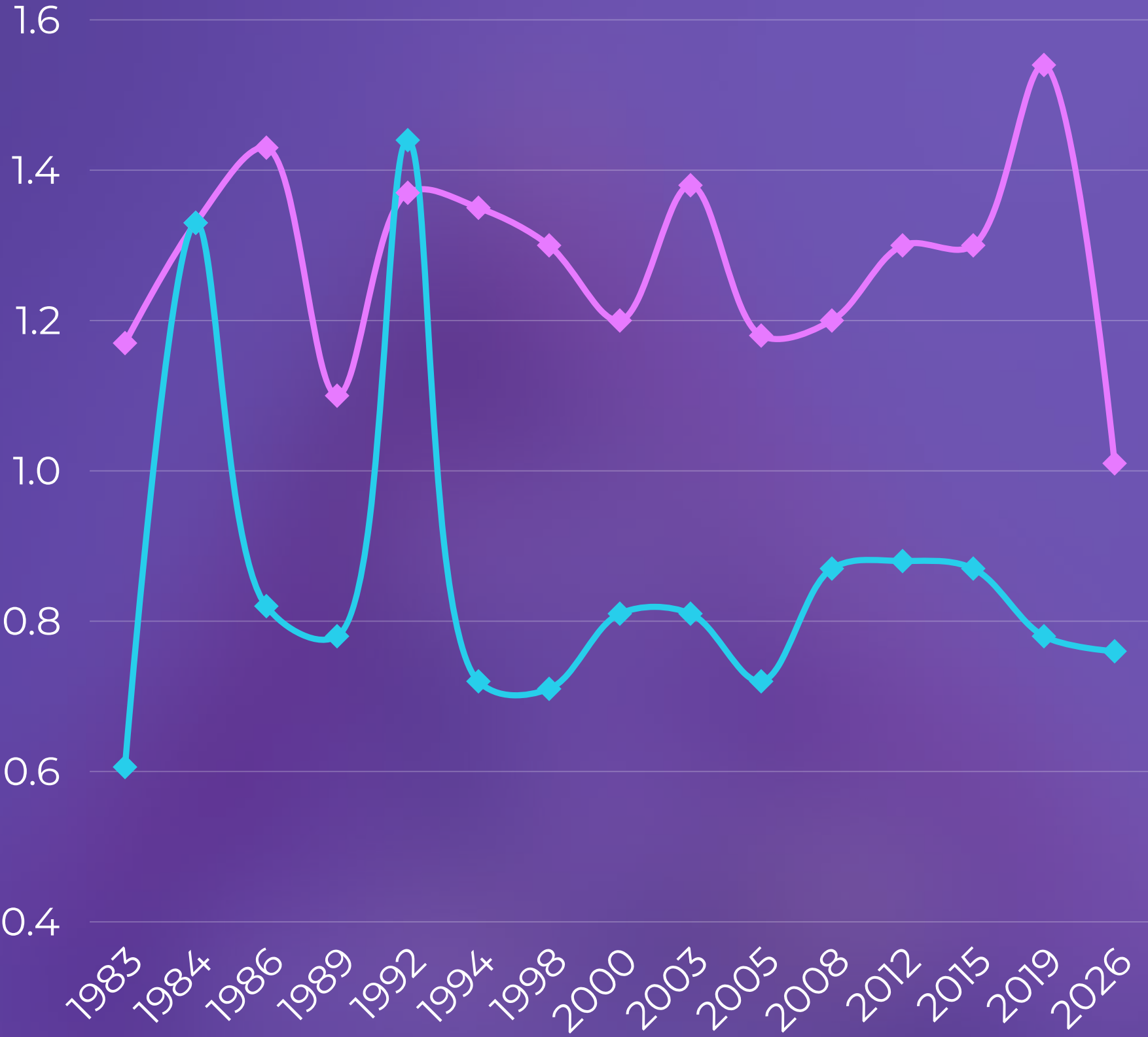
Calculated by average album tempo (BPM)



Madonna's Chords Over Time

Syncopation Score

Beats Per Note



Most Unique Chord Progressions



1 Love Tried to Welcome Me 99.82



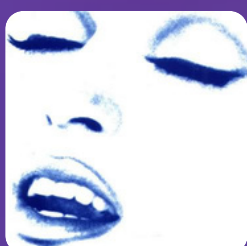
2 Vogue 97.96



3 Keep it Together 97.96



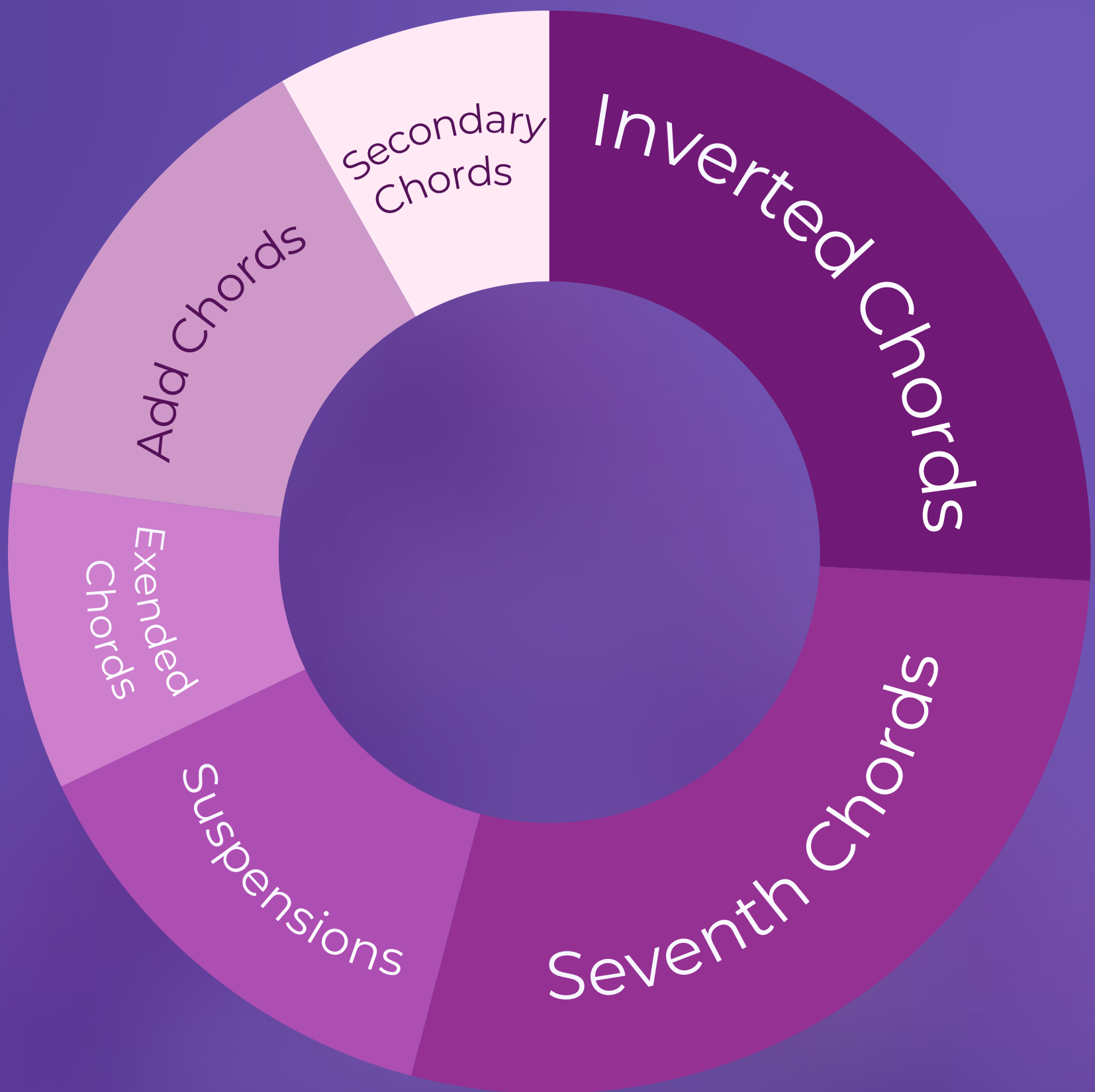
4 Your Honesty 97.96



5 Waiting 96.22



Distribution of Special Chords



Songs with the Highest Chord-Melody Tension



1 I'm Addicted 98.58



2 Some Girls 98.14



3 Erotica 97.33



4 Die Another Day 97.16

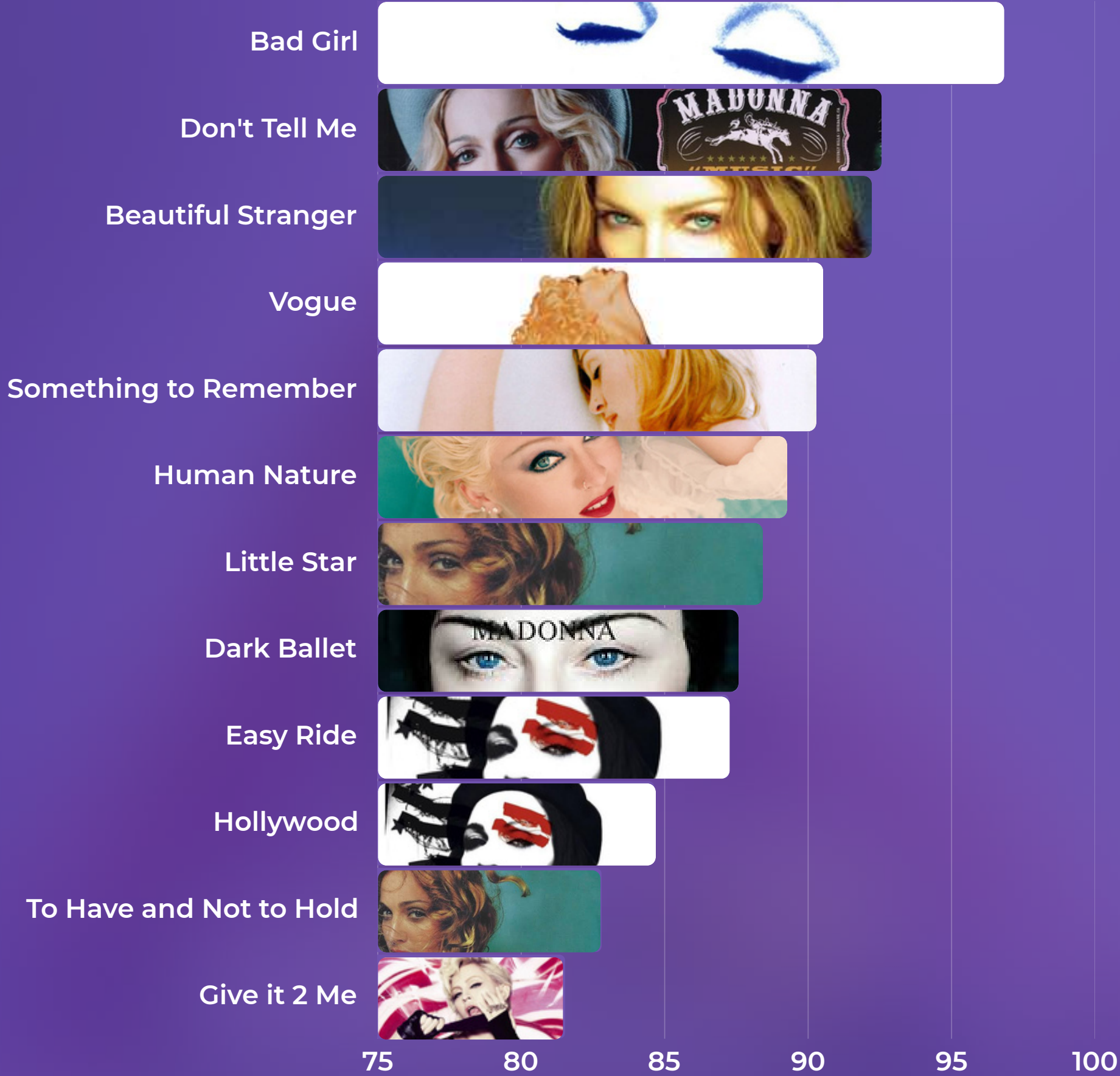


5 Nothing Fails 96.81



Most Melodically Complex

Calculated by the use of notes outside the key and rhythmic syncopation



Melodic Chord-Tone Use

How often a melody note lands inside the chord.



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.

