Harmonic Mixing Tips

Every DJ should understand that two harmonically complementary tracks sound good when mixed together. It is also important to know how to identify the key of a track (either by software or by ear) and know which keys are complementary.

Disclaimer: Harmonic mixing techniques will save you time with track selection, but don't blindly trust the Camelot wheel, BPM counters, sync button - anything. You should always double check what sounds good/right with your ears.

Some popular software tools that provide key detection are: (full writeup here: http://blog.dubspot.com/endo-harmonic-mixing-key-detection-analysis/)
Disclaimer: Note that this study was performed in 2013 and algorithms may have gotten better since then.
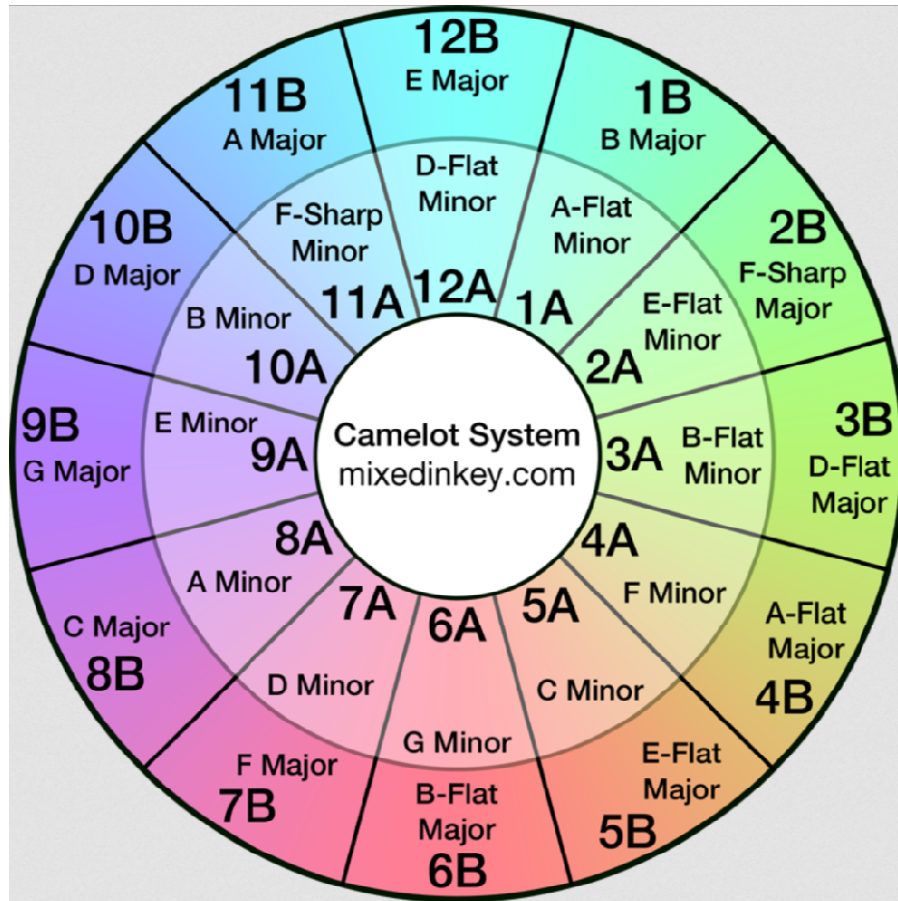
- **Mixed In Key (pretty accurate)**
- **Key Finder (free)**
- **Rekordbox (also pretty accurate)**
- Serato
- Traktor
- Beatport
- Rapid Evolution

Here are some resources on Harmonic Mixing:

- http://www.harmonic-mixing.com/howto.aspx
- https://mixedinkey.com/Book/How-To-Use-Harmonic-Mixing-2
- https://mixedinkey.com/Book/Use-Advanced-Harmonic-Mixing-Techniques
- http://blog.dubspot.com/harmonic-mixing-w-dj-endo-part-1/
- Mixed in Key vs Beatport

Advanced Harmonic Mixing Topics:

- http://blog.dubspot.com/harmonic-mixing-pt-2-relative-key-mixing-without-key-lock/ (Harmonic mixing without using keylock/master tempo or on vinyl)
- http://blog.dubspot.com/harmonic-mixing-pt-3-lab-report-is-mixed-in-key-accurate/ (Accuracy of Mixed In Key by genre)

Camelot Wheel

The is an even better tool for knowing which camelot keys harmonically mix well.
Just remember -1, +0, +1, +2, +4, +7, +9. Avoid ±6 as those keys will be dissonant.

Beginning Key	+1	-1	2 Semitone Energy Boost	Semitone Energy Boost	Major Third	Minor Third
1	2	12	3	8	5	10
2	3	1	4	9	6	11
3	4	2	5	10	7	12
4	5	3	6	11	8	1
5	6	4	7	12	9	2
6	7	5	8	1	10	3
7	8	6	9	2	11	4
8	9	7	10	3	12	5
9	10	8	11	4	1	6
10	11	9	12	5	2	7
11	12	10	1	6	3	8
12	1	11	2	7	4	9

Cheat sheet for harmonic mixing