

The Ultimate Harmonic Mixing & Composing Chart

A guide to harmonic DJ mixing and composing by Ingo Josefsson / ingojosefsson.com

Major Keys (or "Dur" in German)						Minor Keys (or "Moll" in German)					
Composing Keys		DJ Keys		Harmonic Keys		Composing Keys		DJ Keys		Harmonic Keys	
Western Music Scale	Piano Chord Keys	Camelot Key	Open Key	Scale Degree	DJ Keys up/down	Western Music Scale	Piano Chord Keys	Camelot Key	Open Key	Scale Degree	DJ Keys up/down
F major	F + A + C	7B	12d	Fourth (Sub-Dominant)	-1	D minor	D + F + A	7A	12m	Fourth (Sub-Dominant)	-1
A minor	A + C + E	8A	1m	Relative minor		C major	C + E + G	8B	1d	Relative major	
C major	C + E + G	8B	1d	Same key (tonic)		A minor	A + C + E	8A	1m	Same key (tonic)	
G major	G + B + D	9B	2d	Fifth (Dominant)	1	E minor	E + G + B	9A	2m	Fifth (Dominant)	1
D-flat/major	C# + F + G#	3B	8d	Low energy boost	7	B-flat/minor	A# + C# + F	3A	8m	Low energy boost	7
D major	D + F# + A	10B	3d	High energy boost (supertonic)	2	B minor	B + D + F#	10A	3m	High energy boost (supertonic)	2
B major	B + D# + F#	1B	6d	Low energy drain	-7	A-flat/minor	G# + B + D#	1A	6m	Low energy drain	-7
B-flat/major	A# + D + F	6B	11d	High energy drain (leading tone)	-2	G minor	G + A# + D	6A	11m	High energy drain (leading tone)	-2
C major	C + E + G	8B	1d	Fourth (Sub-Dominant)	-1	A minor	A + C + E	8A	1m	Fourth (Sub-Dominant)	-1
E minor	E + G + B	9A	2m	Relative minor		G major	G + B + D	9B	2d	Relative major	
G major	G + B + D	9B	2d	Same key (tonic)		E minor	E + G + B	9A	2m	Same key (tonic)	
D major	D + F# + A	10B	3d	Fifth (Dominant)	1	B minor	B + D + F#	10A	3m	Fifth (Dominant)	1
A-flat/major	G# + C + D#	4B	9d	Low energy boost	7	F minor	F# + A# + C#	4A	9m	Low energy boost	7
A major	A + C# + E	11B	4d	High energy boost (supertonic)	2	F-sharp/minor	F# + A# + C#	11A	4m	High energy boost (supertonic)	2
F-sharp/major	F# + A# + C#	2B	7d	Low energy drain	-7	E-flat/minor	D# + F# + A#	2A	7m	Low energy drain	-7
F major	F + A + C	7B	12d	High energy drain (leading tone)	-2	D minor	D + F + A	7A	12m	High energy drain (leading tone)	-2
G major	G + B + D	9B	2d	Fourth (Sub-Dominant)	-1	E minor	E + G + B	9A	2m	Fourth (Sub-Dominant)	-1
B minor	B + D + F#	10A	3m	Relative minor		D major	D + F# + A	10B	3d	Relative major	
D major	D + F# + A	10B	3d	Same key (tonic)		B minor	B + D + F#	10A	3m	Same key (tonic)	
A major	A + C# + E	11B	4d	Fifth (Dominant)	1	F-sharp/minor	F# + A# + C#	11A	4m	Fifth (Dominant)	1
E-flat/major	D# + G + A#	5B	10d	Low energy boost	7	G minor	G + B + D	5A	10m	Low energy boost	7
E major	E + G# + B	12B	5d	High energy boost (supertonic)	2	D-flat/minor	C# + E + G#	12A	5m	High energy boost (supertonic)	2
D-flat/major	C# + F + G#	3B	8d	Low energy drain	-7	B-flat/minor	A# + C# + F	3A	8m	Low energy drain	-7
C major	C + E + G	8B	1d	High energy drain (leading tone)	-2	A minor	A + C + E	8A	1m	High energy drain (leading tone)	-2
D major	D + F# + A	10B	3d	Fourth (Sub-Dominant)	-1	B minor	B + D + F#	10A	3m	Fourth (Sub-Dominant)	-1
F-sharp/minor	F# + A# + C#	2B	7d	Relative minor		A major	A + C# + E	11A	4d	Relative major	
A major	A + C# + E	11B	4d	Same key (tonic)		F-sharp/minor	F# + A# + C#	2B	7d	Same key (tonic)	
E major	E + G# + B	12B	5d	Fifth (Dominant)	1	D-flat/minor	C# + E + G#	12A	5m	Fifth (Dominant)	1
B-flat/major	A# + D + F	6B	11d	Low energy boost	7	G minor	G + B + D	6A	11m	Low energy boost	7
B major	B + D# + F#	1B	6d	High energy boost (supertonic)	2	A-flat/minor	G# + B + D#	1A	6m	High energy boost (supertonic)	2
A-flat/major	G# + C + D#	4B	9d	Low energy drain	-7	F minor	F + G# + C	4A	9m	Low energy drain	-7
G major	G + B + D	9B	2d	High energy drain (leading tone)	-2	E minor	E + G + B	9A	2m	High energy drain (leading tone)	-2
A major	A + C# + E	11B	4d	Fourth (Sub-Dominant)	-1	F-sharp/minor	F# + A# + C#	11A	4m	Fourth (Sub-Dominant)	-1
D-flat/major	C# + F + G#	3B	8d	Relative minor		A-flat/minor	G# + B + D#	1A	6m	Relative major	
E major	E + G# + B	12B	5d	Same key (tonic)		A-flat/minor	G# + B + D#	1A	6m	Same key (tonic)	
D major	D + F# + A	10B	3d	Fifth (Dominant)	1	E-flat/minor	D# + F# + A#	2A	7m	Fifth (Dominant)	1
B minor	B + D + F#	10A	3m	Low energy boost	7	A minor	A + C + E	8A	1m	Low energy boost	7
C major	C + E + G	8B	1d	High energy boost (supertonic)	2	B-flat/minor	A# + C# + F	3A	8m	High energy boost (supertonic)	2
B-flat/major	A# + D + F	6B	11d	Low energy drain	-7	G minor	G + A# + D	6A	11m	Low energy drain	-7
A major	A + C# + E	11B	4d	High energy drain (leading tone)	-2	F-sharp/minor	F# + A# + C#	11A	4m	High energy drain (leading tone)	-2
B major	B + D# + F#	1B	6d	Fourth (Sub-Dominant)	-1	A-flat/minor	G# + B + D#	1A	6m	Fourth (Sub-Dominant)	-1
F-sharp/major	F# + A# + C#	2B	7d	Relative minor		A-flat/minor	G# + B + D#	1A	6m	Relative major	
D-flat/major	C# + F + G#	3B	8d	Fifth (Dominant)	1	B-flat/minor	A# + C# + F	3A	8m	Fifth (Dominant)	1
G major	G + B + D	9B	2d	Low energy boost	7	E minor	E + G + B	9A	2m	Low energy boost	7
A-flat/major	G# + C + D#	4B	9d	High energy boost (supertonic)	2	F minor	F + G# + C	4A	9m	High energy boost (supertonic)	2
F major	F + A + C	7B	12d	Low energy drain	-7	D minor	D + F + A	7A	12m	Low energy drain	-7
E major	E + G# + B	12B	5d	High energy drain (leading tone)	-2	D-flat/minor	C# + E + G#	12A	5m	High energy drain (leading tone)	-2
F-sharp/minor	F# + A# + C#	2B	7d	Fourth (Sub-Dominant)	-1	D-flat/minor	C# + E + G#	12A	5m	Fourth (Sub-Dominant)	-1
B-flat/major	A# + D + F	6B	11d	Relative minor		D-flat/major	C# + F + G#	3B	8d	Relative major	
D-flat/major	C# + F + G#	3B	8d	Same key (tonic)		B-flat/major	A# + C# + F	3A	8m	Same key (tonic)	
A-flat/major	G# + C + D#	4B	9d	Fifth (Dominant)	1	F minor	F + G# + C	4A	9m	Fifth (Dominant)	1
D major	D + F# + A	10B	3d	Low energy boost	7	B minor	B + D + F#	10A	3m	Low energy boost	7
E-flat/major	D# + G + A#	5B	10d	High energy boost (supertonic)	2	C minor	C + D# + G	5A	10m	High energy boost (supertonic)	2
C major	C + E + G	8B	1d	Low energy drain	-7	A minor	A + C + E	8A	1m	Low energy drain	-7
B major	B + D# + F#	1B	6d	High energy drain (leading tone)	-2	A-flat/minor	G# + B + D#	1A	6m	High energy drain (leading tone)	-2
D-flat/major	C# + F + G#	3B	8d	Fourth (Sub-Dominant)	-1	F-sharp/minor	F# + A# + C#	2B	7d	Fourth (Sub-Dominant)	-1
F minor	F + G# + C	4A	9m	Relative minor		A-flat/major	G# + C + D#	4B	9d	Relative major	
A-flat/major	G# + C + D#	4B	9d	Same key (tonic)		F minor	F + G# + C	4A	9m	Same key (tonic)	
E-flat/major	D# + G + A#	5B	10d	Fifth (Dominant)	1	C minor	C + D# + G	5A	10m	Fifth (Dominant)	1
A major	A + C# + E	11B	4d	Low energy boost	7	F-sharp/minor	F# + A# + C#	11A	4m	Low energy boost	7
B-flat/major	A# + D + F	6B	11d	High energy boost (supertonic)	2	G minor	G + A# + D	6A	11m	High energy boost (supertonic)	2
G major	G + B + D	9B	2d	Low energy drain	-7	E minor	E + G + B	9A	2m	Low energy drain	-7
F-sharp/major	F# + A# + C#	2B	7d	High energy drain (leading tone)	-2	E-flat/minor	D# + F# + A#	2A	7m	High energy drain (leading tone)	-2
A-flat/major	G# + C + D#	4B	9d	Fourth (Sub-Dominant)	-1	F minor	F + G# + C	4A	9m	Fourth (Sub-Dominant)	-1
C minor	C + D# + G	5A	10m	Relative minor		E-flat/major	D# + G + A#	5B	10d	Relative major	
E-flat/major	D# + G + A#	5B	10d	Same key (tonic)		C minor	C + D# + G	5A	10m	Same key (tonic)	
B-flat/major	A# + D + F	6B	11d	Fifth (Dominant)	1	G minor	G + A# + D	6A	11m	Fifth (Dominant)	1
E major	E + G# + B	12B	5d	Low energy boost	7	D-flat/minor	C# + E + G#	12A	5m	Low energy boost	7
F major	F + A + C	7B	12d	High energy boost (supertonic)	2	D minor	D + F + A	7A	12m	High energy boost (supertonic)	2
D major	D + F# + A	10B	3d	Low energy drain	-7	B minor	B + D + F#	10A	3m	Low energy drain	-7
D-flat/major	C# + F + G#	3B	8d	High energy drain (leading tone)	-2	D-flat/major	C# + F + G#	3B	8d	High energy drain (leading tone)	-2
E-flat/major	D# + G + A#	5B	10d	Fourth (Sub-Dominant)	-1	C minor	C + D# + G	5A	10m	Fourth (Sub-Dominant)	-1
G minor	G + A# + D	6A	11m	Relative minor		B-flat/major	A# + D + F	6B	11d	Relative major	
B-flat/major	A# + D + F	6B	11d	Same key (tonic)		G minor	G + A# + D	6A	11m	Same key (tonic)	
F major	F + A + C	7B	12d	Fifth (Dominant)	1	D minor	D + F + A	7A	12m	Fifth (Dominant)	1
B major	B + D# + F#	1B	6d	Low energy boost	7	A-flat/minor	G# + B + D#	1A	6m	Low energy boost	7
C major	C + E + G	8B	1d	High energy boost (supertonic)	2	A minor	A + C + E	8A	1m	High energy boost (supertonic)	2
A major	A + C# + E	11B	4d	Low energy drain	-7	F-sharp/minor	F# + A# + C#	11A	4m	Low energy drain	-7
A-flat/major	G# + C + D#	4B	9d	High energy drain (leading tone)	-2	E minor	E + G + B	9A	2m	High energy drain (leading tone)	-2
B-flat/major	A# + D + F	6B	11d	Fourth (Sub-Dominant)	-1	G minor	G + A# + D	6A	11m	Fourth (Sub-Dominant)	-1
D minor	D + F + A	7A	12m	Relative minor		F major	F + A + C	7B	12d	Relative major	
F major	F + A + C	7B	12d	Same key (tonic)		D minor	D + F + A	7A	12m	Same key (tonic)	
C major	C + E + G	8B	1d	Fifth (Dominant)	1	A minor	A + C + E	8A	1m	Fifth (Dominant)	1
F-sharp/minor	F# + A# + C#	2B	7d	Low energy boost	7	E-flat/minor	D# + F# + A#	2A	7m	Low energy boost	7
G major	G + B + D	9B	2d	High energy boost (supertonic)	2	E minor	E + G + B	9A	2m	High energy boost (supertonic)	2
E major	E + G# + B	12B	5d	Low energy drain	-7	D-flat/minor	C# + E + G#	12A	5m	Low energy drain	-7
E-flat/major	D# + G + A#	5B	10d	High energy drain (leading tone)	-2	C minor	C + D# + G	5A	10m	High energy drain (leading tone)	-2

Musical key B is equivalent to the German H