

The Ultimate Harmonic Mixing & Composing Chart

A guide to harmonic DJ mixing and composing by Ingo Vogelmann

Major Keys

(or "Dur" in German)

Minor Keys

(or "Moll" in German)

Composing Keys				Harmonic Keys				Composing 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	Western Music Scale	Piano Chord Keys	Camelot Key	Open Key
F major	F + A + C	7B	12d	Fourth (Sub-Dominant)	-1	D minor	D + F + A	7A	12m	Fourth (Sub-Dominant)	-1	D minor	D + F + A	7A	12m
A minor	C + E + G	8A	1m	Relative minor		C major	C + E + G	8B	1d	Relative major		C major	C + E + G	8B	1d
C major	C + E + G	8B	1d	Same key (tonic)		A minor	A + C + E	8A	1m	Same key (tonic)		A minor	A + C + E	8A	1m
G major	G + B + D	9B	2d	Fifth (Dominant)	1	E minor	E + G + B	9A	2m	Fifth (Dominant)	1	E minor	E + G + B	9A	2m
D-flat/major	CH + F + GH	3B	8d	Low energy boost	7	B-flat/m minor	AH + CH + F	3A	8m	Low energy boost	7	B-flat/m minor	AH + CH + F	3A	8m
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 minor	B + D + F#	10A	3m
B major	B + D# + F#	1B	6d	Low energy drain	-7	A-flat/m minor	G + B + D#	1A	6m	Low energy drain	-7	A-flat/m minor	G + B + D#	1A	6m
B-flat/m major	AH + D + F	6B	11d	High energy drain (leading tone)	-2	G minor	G + A# + D	6A	11m	High energy drain (leading tone)	-2	G minor	G + A# + D	6A	11m
C major	C + E + G	8B	1d	Fourth (Sub-Dominant)	-1	A minor	A + C + E	8A	1m	Fourth (Sub-Dominant)	-1	A minor	A + C + E	8A	1m
E minor	G + B + D	9A	2m	Relative minor		G major	G + B + D	9B	2d	Relative major		G major	G + B + D	9B	2d
G major	G + B + D	9B	2d	Same key (tonic)		E minor	E + G + B	9A	2m	Same key (tonic)		E minor	E + G + B	9A	2m
D major	D + F# + A	10B	3d	Fifth (Dominant)	1	B minor	B + D + F#	10A	3m	Fifth (Dominant)	1	B minor	B + D + F#	10A	3m
A-flat/m major	GH + C + DH	4B	9d	Low energy boost	7	F minor	F + GH + C	4A	9m	Low energy boost	7	F minor	F + GH + C	4A	9m
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/# minor	F# + A + C#	11A	4m
F-sharp/# major	F# + A# + C#	2B	7d	Low energy drain	-7	E-flat/m minor	D# + F# + A#	2A	7m	Low energy drain	-7	E-flat/m minor	D# + F# + A#	2A	7m
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	D minor	D + F + A	7A	12m
G major	G + B + D	9B	2d	Fourth (Sub-Dominant)	-1	E minor	E + G + B	9A	2m	Fourth (Sub-Dominant)	-1	E minor	E + G + B	9A	2m
B minor	D + F# + A	10A	3m	Relative minor		D major	D + F# + A	10B	3d	Relative major		D major	D + F# + A	10B	3d
D major	D + F# + A	10B	3d	Same key (tonic)		B minor	B + D + F#	10A	3m	Same key (tonic)		B minor	B + D + F#	10A	3m
A major	A + C# + E	11B	4d	Fifth (Dominant)	1	F-sharp/# minor	F# + A + C#	11A	4m	Fifth (Dominant)	1	F-sharp/# minor	F# + A + C#	11A	4m
E-flat/m major	AH + D + F	6B	11d	Low energy boost	7	C minor	C + E + G	8A	1m	Low energy boost	7	C minor	C + E + G	8A	1m
E major	E + G# + B	12B	5d	High energy boost (supertonic)	2	D-flat/m minor	CH + F + GH	3A	8m	High energy boost (supertonic)	2	D-flat/m minor	CH + F + GH	3A	8m
D-flat/m major	E + G# + B	12B	5d	Low energy drain	-7	D major	D + F# + A	10A	3m	Low energy drain	-7	D major	D + F# + A	10A	3m
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	A minor	A + C + E	8A	1m
D major	D + F# + A	10B	3d	Fourth (Sub-Dominant)	-1	B minor	B + D + F#	10A	3m	Fourth (Sub-Dominant)	-1	B minor	B + D + F#	10A	3m
F-sharp/# minor	A + C# + E	11A	4m	Relative minor		A major	A + C# + E	11B	4d	Relative major		A major	A + C# + E	11B	4d
A major	A + C# + E	11B	4d	Same key (tonic)		F-sharp/# minor	F# + A + C#	11A	4m	Same key (tonic)		F-sharp/# minor	F# + A + C#	11A	4m
E major	E + G# + B	12B	5d	Fifth (Dominant)	1	D-flat/m minor	CH + F + GH	3A	8m	Fifth (Dominant)	1	D-flat/m minor	CH + F + GH	3A	8m
B-flat/m major	AH + D + F	6B	11d	Low energy boost	7	G minor	G + A# + D	6A	11m	Low energy boost	7	G minor	G + A# + D	6A	11m
B major	B + D# + F#	1B	6d	High energy boost (supertonic)	2	A-flat/m minor	G + B + D#	1A	6m	High energy boost (supertonic)	2	A-flat/m minor	G + B + D#	1A	6m
A-flat/m major	GH + C + DH	4B	9d	Low energy drain	-7	F minor	F + GH + C	4A	9m	Low energy drain	-7	F minor	F + GH + C	4A	9m
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	E minor	E + G + B	9A	2m
A major	A + C# + E	11B	4d	Fourth (Sub-Dominant)	-1	F-sharp/# minor	F# + A + C#	11A	4m	Fourth (Sub-Dominant)	-1	F-sharp/# minor	F# + A + C#	11A	4m
D-flat/m minor	E + G# + B	12A	5m	Relative minor		E major	E + G# + B	12B	5d	Relative major		E major	E + G# + B	12B	5d
E major	E + G# + B	12B	5d	Same key (tonic)		D-flat/m minor	C# + F + G#	12A	5m	Same key (tonic)		D-flat/m minor	C# + F + G#	12A	5m
B major	B + D# + F#	1B	6d	Fifth (Dominant)	1	A-flat/m minor	G + B + D#	1A	6m	Fifth (Dominant)	1	A-flat/m minor	G + B + D#	1A	6m
F major	F + A + C	7B	12d	Low energy boost	7	D minor	D + F + A	7A	12m	Low energy boost	7	D minor	D + F + A	7A	12m
F-sharp/# major	F# + A# + C#	2B	7d	High energy boost (supertonic)	2	E-flat/m minor	D# + F# + A#	2A	7m	High energy boost (supertonic)	2	E-flat/m minor	D# + F# + A#	2A	7m
E-flat/m major	D# + G + A#	5B	10d	Low energy drain	-7	C minor	C + E + G	8A	1m	Low energy drain	-7	C minor	C + E + G	8A	1m
D major	D + F# + A	10B	3d	High energy drain (leading tone)	-2	B minor	B + D + F#	10A	3m	High energy drain (leading tone)	-2	B minor	B + D + F#	10A	3m
E major	E + G# + B	12B	5d	Fourth (Sub-Dominant)	-1	D-flat/m minor	CH + F + GH	3A	8m	Fourth (Sub-Dominant)	-1	D-flat/m minor	CH + F + GH	3A	8m
F-sharp/# minor	A + C# + E	11A	4m	Relative minor		B major	B + D# + F#	1B	6d	Relative major		B major	B + D# + F#	1B	6d
B major	B + D# + F#	1B	6d	Same key (tonic)		A-flat/m minor	G + B + D#	1A	6m	Same key (tonic)		A-flat/m minor	G + B + D#	1A	6m
F-sharp/# major	F# + A# + C#	2B	7d	Fifth (Dominant)	1	E-flat/m minor	D# + F# + A#	2A	7m	Fifth (Dominant)	1	E-flat/m minor	D# + F# + A#	2A	7m
C major	C + E + G	8B	1d	Low energy boost	7	A minor	A + C + E	8A	1m	Low energy boost	7	A minor	A + C + E	8A	1m
D-flat/m major	CH + F + GH	3B	8d	High energy boost (supertonic)	2	B-flat/m minor	AH + CH + F	3A	8m	High energy boost (supertonic)	2	B-flat/m minor	AH + CH + F	3A	8m
B-flat/m major	AH + D + F	6B	11d	Low energy drain	-7	G minor	G + A# + D	6A	11m	Low energy drain	-7	G minor	G + A# + D	6A	11m
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	F-sharp/# minor	F# + A + C#	11A	4m
B major	B + D# + F#	1B	6d	Fourth (Sub-Dominant)	-1	E-sharp/# major	F# + A# + C#	2B	7d	Relative major		E-sharp/# major	F# + A# + C#	2B	7d
F-sharp/# major	F# + A# + C#	2B	7d	Same key (tonic)		E-flat/m minor	D# + F# + A#	2A	7m	Same key (tonic)		E-flat/m minor	D# + F# + A#	2A	7m
D-flat/m major	CH + F + GH	3B	8d	Fifth (Dominant)	1	B-flat/m minor	AH + CH + F	3A	8m	Fifth (Dominant)	1	B-flat/m minor	AH + CH + F	3A	8m
G major	G + B + D	9B	2d	Low energy boost	7	E minor	E + G + B	9A	2m	Low energy boost	7	E minor	E + G + B	9A	2m
A-flat/m major	GH + C + DH	4B	9d	High energy boost (supertonic)	2	F minor	F + GH + C	4A	9m	High energy boost (supertonic)	2	F minor	F + GH + C	4A	9m
F major	F + A + C	7B	12d	Low energy drain	-7	D minor	D + F + A	7A	12m	Low energy drain	-7	D minor	D + F + A	7A	12m
E major	E + G# + B	12B	5d	High energy drain (leading tone)	-2	D-flat/m minor	CH + F + GH	3A	8m	High energy drain (leading tone)	-2	D-flat/m minor	CH + F + GH	3A	8m
F-sharp/# major	F# + A# + C#	2B	7d	Fourth (Sub-Dominant)	-1	F-flat/m minor	B + D# + F#	1B	6m	Fourth (Sub-Dominant)	-1	F-flat/m minor	B + D# + F#	1B	6m
B-flat/m minor	CH + F + GH	3A	8m	Relative minor		D-flat/m major	D# + F# + A#	2A	7m	Relative major		D-flat/m major	D# + F# + A#	2A	7m
D-flat/m major	C# + F + G#	3B	8d	Same key (tonic)		B-flat/m minor	AH + CH + F	3A	8m	Same key (tonic)		B-flat/m minor	AH + CH + F	3A	8m
A-flat/m major	GH + C + DH	4B	9d	Fifth (Dominant)	1	F minor	F + GH + C	4A	9m	Fifth (Dominant)	1	F minor	F + GH + C	4A	9m
D major	D + F# + A	10B	3d	Low energy boost	7	B minor	B + D + F#	10A	3m	Low energy boost	7	B minor	B + D + F#	10A	3m
E-flat/m major	D# + G + A#	5B	10d	High energy boost (supertonic)	2	C minor	C + E + G	8A	1m	High energy boost (supertonic)	2	C minor	C + E + G	8A	1m
C major	C + E + G	8B	1d	Low energy drain	-7	A minor	A + C + E	8A	1m	Low energy drain	-7	A minor	A + C + E	8A	1m
B major	B + D# + F#	1B	6d	High energy drain (leading tone)	-2	A-flat/m minor	G + B + D#	1A	6m	High energy drain (leading tone)	-2	A-flat/m minor	G + B + D#	1A	6m
D-flat/m major	CH + F + GH	3B	8d	Fourth (Sub-Dominant)	-1	F-flat/m minor	B + D# + F#	1B	6m	Fourth (Sub-Dominant)	-1	F-flat/m minor	B + D# + F#	1B	6m
A-flat/m major	G# + C + D#	4B	9d	Same key (tonic)		F minor	GH + C + DH	4A	9m	Relative major		F minor	GH + C + DH	4A	9m
E-flat/m major	D# + G + A#	5B	10d	Fifth (Dominant)	1	C minor	C + E + G	8A	1m	Fifth (Dominant)	1	C minor	C + E + G	8A	1m
A major	A + C# + E	11B	4d	Low energy boost	7	F-sharp/# minor	F# + A + C#	11A	4m	Low energy boost	7	F-sharp/# minor	F# + A + C#	11A	4m
B-flat/m major	AH + D + F	6B	11d	High energy boost (supertonic)	2	G minor	G + A# + D	6A	11m	High energy boost (supertonic)	2	G minor	G + A# + D	6A	11m
G major	G + B + D	9B	2d	Low energy drain	-7	E minor	E + G + B	9A	2m	Low energy drain	-7	E minor	E + G + B	9A	2m
F-sharp/# major	F# + A# + C#	2B	7d	High energy drain (leading tone)	-2	E-flat/m minor	D# + F# + A#	2A	7m	High energy drain (leading tone)	-2	E-flat/m minor	D# + F# + A#	2A	7m
A-flat/m major	GH + C + DH	4B	9d	Fourth (Sub-Dominant)	-1	F minor	F + GH + C	4A	9m	Fourth (Sub-Dominant)	-1	F minor	F + GH + C	4A	9m
C minor	D# + G + A#	5A	10m	Relative minor		E-flat/m major	D# + G + A#	5B	10d	Relative major		E-flat/m major	D# + G + A#	5B	10d
E-flat/m major	D# + G + A#	5B	10d	Same key (tonic)		C minor	C + D# + F	5A	10m	Same key (tonic)		C minor	C + D# + F	5A	10m
B-flat/m major	AH + D + F	6B	11d	Fifth (Dominant)	1	G minor	G + A# + D	6A	11m	Fifth (Dominant)	1	G minor	G + A# + D	6A	11m
E major	E + G# + B	12B	5d	Low energy boost	7	D-flat/m minor	CH + F + GH	3A	8m	Low energy boost	7	D-flat/m minor	CH + F + GH	3A	8m
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 minor	D + F + A	7A	12m
D major	D + F# + A	10B	3d	Low energy drain	-7	B minor	B + D + F#	10A	3m	Low energy drain	-7	B minor			