

The Secondary Dominant Chords in all Twelve Scales

C major/ A minor

Arr: D. Yzhaki

I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
5G 3E 1C	5G 3E 2C# 1A	4F 2D 1A	5A 3F# 2D# 1B	5G 3E 1B	5Bb 3G 2E 1C	5A 3F 1C	5C 3A 2F# 1D	5B 3G 1D	5D 3B 2G# 1E	5C 3A 1E	5F 3D 2B 1G	5E 1C 1G
C	A ⁷	Dm	B ⁷	Em	C ⁷	F	D ⁷	G	E ⁷	Am	G ⁷	C

C A D B E C F D G E A G C

G major/ E minor

I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
5D 3B 1G	5D 3B 2G# 1E	4C 2A 1E	5E 3C# 2A# 1F#	5D 3B 1F#	5F 3D 2B 1G	5E 3C 1G	5G 3E 2C# 1A	5F# 3D 1A	5A 3F# 2D# 1B	5G 3E 1B	5C 3A 2F# 1D	5B 1G 1D
8 G	E ⁷	Am	F ^{#7}	Bm	G ⁷	C	A ⁷	D	B ⁷	Em	D ⁷	G

G E A F# B G C A D B E D G

D major/ B minor

I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
5A 3F# 1D	5A 3F# 2D# 1B	4G 2E 1B	5B 3G# 2E# 1C#	5A 3F# 1C#	5C 3A 2F# 1D	5B 3G 1D	5D 3B 2G# 1E	5C 3A 1E	5E 3C# 2A# 1F#	5D 3B 1F#	5G 3E 2C# 1A	5F# 1D 1A
15 D	B ⁷	Em	C ^{#7}	F ^{#m}	D ⁷	G	E ⁷	Am	F ^{#7}	Bm	A ⁷	D

D B E C# F# D G E A F# B A D

A major/ F# minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5E 3C# 1A	5E 3C# 2A# 1F#	4D 2B 1F#	5F# 3D# 2B# 1G#	5E 3C# 1G#	5G 3E 2C# 1A	5F# 3D 1A	5A 3F# 2D# 1B	5G# 3E 1B	5B 3G# 2E# 1C#	5A 3F# 1C#	5D 3B 2G# 1E	5C# 1A 1E
22	A	F#7	Bm	G#7	C#m	A7	D	B7	E	C#7	F#m	E7	A

A F# B G# C A D B E C# F# E A

E major/ C# minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5B 3G# 1E	5B 3G# 2E# 1C#	4A 2F# 1C#	5C# 3A# 2F## 1D#	5B 3G# 1D#	5D 3B 2G# 1E	5C# 3A 1E	5E 3C# 2A# 1F#	5D# 3B 1F#	5F# 3E# 2B# 1G#	5E 3C# 1G#	5A 3F# 2D# 1B	5G# 1E 1B
29	E	C#7	F#m	D#7	G#m	E7	A	F#7	B	G#7	C#m	B7	E

E C# F# D# G# E A F# B G# C# B E

B major/ G# minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5F# 3D# 1B	5F# 3D# 2B# 1G#	4E 2C# 1G#	5G# 3E# 2C## 1A#	5F# 3D# 1A#	5A 3F# 2D 1B	5G 3E 1B	5B 3G# 2E# 1C#	5A 3F# 1C#	5C# 3A# 2F## 1D#	5B 3G# 1D#	5E 3C# 2A# 1F#	5D# 1B 1F#
36	B	G#7	C#m	A#7	D#m	B7	E	C#7	F#	D#7	G#m	F#7	B

B G# C# A# D# B E C# F# D# G# F# B

Gb major/ Eb minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5Db	5Db	4Cb	5Eb	5Db	5E	5Eb	5Gb	5F	5Ab	5Gb	5B	5Bb
	3Bb	3Bb	2Ab	3C	3Bb	3Db	3Cb	3Eb	3Db	3F	3Eb	3Ab	1Gb
	1Gb	2G	1Eb	2A	1F	2Bb	1Gb	2C	1Ab	2D	1Bb	2F	1Db
43	Gb	Eb ⁷	Abm	F ⁷	Bbm	Gb ⁷	Cb	Ab ⁷	Db	Bb ⁷	Ebm	Db ⁷	Gb

43

Gb Eb Ab F Bb Gb Cb Ab Db Bb Eb Db Gb

Db major/ Bb minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5Ab	5Ab	4Gb	5Bb	5Ab	5B	5Bb	5Db	5C	5Eb	5Db	5Gb	5Fb
	3F	3F	2Eb	3G	3F	3Ab	3Gb	3Bb	3Ab	3C	3Bb	3Eb	1Db
	1Db	2D	1Bb	2E	1C	2F	1Db	2G	1Eb	2A	1F	2C	1Ab
50	Db	Bb ⁷	Ebm	C ⁷	Fm	Db ⁷	Gb	Eb ⁷	Ab	F ⁷	Bbm	Ab ⁷	Db

50

Db Bb Eb C F Db Gb Eb Ab F Bb Ab Db

Ab major/ F minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5Eb	5Eb	4Db	5F	5Eb	5Gb	5F	5Ab	5G	5Bb	5Ab	5Db	5C
	3C	3C	2Bb	3D	3C	3Eb	3Db	3F	3Eb	3G	3Ab	3Bb	1Ab
	1Ab	2A	1F	2B	1G	2C	1Ab	2D	1Bb	2E	1C	2G	1Eb
57	Ab	F ⁷	Bbm	G ⁷	Cm	Ab ⁷	Db	Bb ⁷	Eb	C ⁷	Fm	Eb ⁷	Ab

57

Ab F Bb G C Ab Db Bb Eb C F Eb Ab

Eb major/ C minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5Bb	5Bb	4Ab	5C	5Bb	5Db	5C	5Eb	5D	5F	5Eb	5Ab	5G
	3G	3G	2F	3A	3G	3Bb	3Ab	3C	3Bb	3D	3C	3F	1Eb
	1Eb	2E	1C	2F#	1D	2G	1Eb	2A	1F	2B	1G	2D	1Bb
64	Eb	C7	Fm	D7	Gm	Eb7	Ab	F7	Bb	G7	Cm	Bb7	Eb

	Eb	C	F	Db	Gb	Eb	Ab	F	Bb	Gb	C	Bb	Eb
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Bb major/ G minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5F	5F	4Eb	5G	5F	5Ab	5G	5Bb	5A	5C	5Bb	5Eb	5D
	3D	3D	2C	3E	3D	3F	3Eb	3G	3F	3A	3G	3C	1Bb
	1Bb	2B	1G	2C#	1A	2D	1Bb	2E	1C	2F#	1D	2A	1F
71	Bb	G7	Cm	A7	Dm	Bb7	Eb	C7	F	D7	Gm	F7	Bb

	Bb	G	C	A	D	Bb	Eb	C	F	D	G	F	Bb
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F major/ D minor

	I	V/II	II	V/III	III	V/IV	IV	V/V	V	V/VI	VI	V	I
	5C	5C	4Bb	5D	5C	5Eb	5D	5G	5E	5G	5F	5Bb	5A
	3A	3A	2G	3B	3A	3C	3Bb	3D	3C	3E	3D	3G	1F
	1F	2F#	1D	2G#	1E	2A	1F	2B	1G	2C#	1A	2E	1C
78	F	D7	Gm	E7	Am	F7	Bb	G7	C	A7	Dm	C7	F

	F	D	G	E	A	F	Bb	G	C	A	D	C	F
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