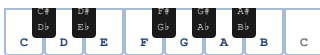


piano chord reference

ALL STANDARD CHORDS · ALL 12 ROOTS · ROOT POSITION

triads · suspended · page 1 of 2

KEYBOARD LAYOUT (ONE OCTAVE)



white keys: C D E F G A B · black keys: C# D# F# G# A#
(also written as Db Eb Gb Ab Bb)

STANDARD RIGHT HAND FINGERING

CHORD TYPE	WHITE ROOT	BLACK ROOT
triad (3 notes)	1 - 3 - 5	2 - 3 - 5
4-note chord	1 - 2 - 4 - 5	1 - 2 - 3 - 5
sus2 / sus4	1 - 2 - 5	2 - 3 - 5

fingers: 1=thumb · 2=index · 3=middle · 4=ring · 5=pinky
left hand (root pos): reverse → 5-3-1 for triads

CHORD CONSTRUCTION INTERVALS

CHORD	SYMBOL	FORMULA (SEMITONES)
Major	M / maj	root + 4 + 3
Minor	m / min	root + 3 + 4
Augmented	aug / +	root + 4 + 4
Diminished	dim / °	root + 3 + 3
Sus2	sus2	root + 2 + 5
Sus4	sus4	root + 5 + 2
Major 7	maj7 / M7	root + 4 + 3 + 4
Dominant 7	7	root + 4 + 3 + 3
Minor 7	m7	root + 3 + 4 + 3
Dim 7	dim7 / °7	root + 3 + 3 + 3
Half-dim 7	ø7 / m7b5	root + 3 + 3 + 4
Minor Maj7	mM7	root + 3 + 4 + 4
Major 6	M6 / 6	root + 4 + 3 + 2
Minor 6	m6	root + 3 + 4 + 2

aug & dim triads are symmetric – only 3 unique aug shapes (C/E/G#), 3 unique dim shapes exist

TRIADS & SUSPENDED CHORDS – ALL ROOTS

chord	C	C# / D ^b	D	D# / E ^b	E	F	F# / G ^b	G	G# / A ^b	A	A# / B ^b	B
TRIADS												
Major 1 · 3 · 5	C E G	C# F G#	D F# A	E ^b G B ^b	E G# B	F A C	F# A# C#	G B D	A ^b C E ^b	A C# E	B ^b D F	B D# F#
Minor 1 · b3 · 5	C E ^b G	C# E G#	D F A	E ^b G ^b B ^b	E G B	F A ^b C	F# A C#	G B ^b D	A ^b B E ^b	A C E	B ^b D ^b F	B D F#
Augmented 1 · 3 · #5	C E G#	C# F A	D F# A#	E ^b G B	E G# C	F A C#	F# A# D	G B D#	A ^b C E	A C# F	B ^b D F#	B D# G
Diminished 1 · b3 · b5	C E ^b G ^b	C# E G	D F A ^b	E ^b G ^b A	E G B ^b	F A ^b B	F# A C	G B ^b D ^b	A ^b B D	A C E ^b	B ^b D ^b E	B D F
SUSPENDED												
Sus2 1 · 2 · 5	C D G	C# D# G#	D E A	E ^b F B ^b	E F# B	F G C	F# G# C#	G A D	A ^b B ^b E ^b	A B E	B ^b C F	B C# F#
Sus4 1 · 4 · 5	C F G	C# F# G#	D G A	E ^b A ^b B ^b	E A B	F B ^b C	F# B C#	G C D	A ^b D ^b E ^b	A D E	B ^b E ^b F	B E F#
SIXTH CHORDS												
Major 6 1 · 3 · 5 · 6	C E G A	C# F G# A#	D F# A B	E ^b G B ^b C	E G# B C#	F A C D	F# A# C# D#	G B D E	A ^b C E ^b F	A C# E F#	B ^b D F G	B D# F# G#
Minor 6 1 · b3 · 5 · 6	C E ^b G A	C# E G# A#	D F A B	E ^b G ^b B ^b C	E G B C#	F A ^b C D	F# A C# D#	G B ^b D E	A ^b B E ^b F	A C E F#	B ^b D ^b F G	B D F# G#

piano chord reference

SEVENTH CHORDS · ALL 12 ROOTS · ROOT POSITION

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SEVENTH CHORDS — ALL ROOTS												
chord	C	C# / D \flat	D	D# / E \flat	E	F	F# / G \flat	G	G# / A \flat	A	A# / B \flat	B
Dominant 7 1 · 3 · 5 · b7	C E G B \flat	C# F G# B	D F# A C	E \flat G B \flat D \flat	E G# B D	F A C E \flat	F# A# C# E	G B D F	A \flat C E \flat G \flat	A C# E G	B \flat D F A \flat	B D# F# A
Major 7 1 · 3 · 5 · 7	C E G B	C# F G# C	D F# A C#	E \flat G B \flat D	E G# B D#	F A C E	F# A# C# F	G B D F#	A \flat C E \flat G	A C# E G#	B \flat D F A	B D# F# A#
Minor 7 1 · b3 · 5 · b7	C E \flat G B \flat	C# E G# B	D F A C	E \flat G \flat B \flat D \flat	E G B D	F A \flat C E \flat	F# A C# E	G B \flat D F	A \flat B E \flat G \flat	A C E G	B \flat D \flat F A \flat	B D F# A
Diminished 7 1 · b3 · b5 · bb7	C E \flat G \flat A	C# E G B \flat	D F A \flat B	E \flat G \flat A C	E G B \flat D \flat	F A \flat B D	F# A C E \flat	G B \flat D \flat E	A \flat B D F	A C E \flat G \flat	B \flat D \flat E G	B D F A \flat
Half-dim \emptyset7 1 · b3 · b5 · b7	C E \flat G \flat B \flat	C# E G B	D F A \flat C	E \flat G \flat A D \flat	E G B \flat D	F A \flat B E \flat	F# A C E	G B \flat D \flat F	A \flat B D G \flat	A C E \flat G	B \flat D \flat E A \flat	B D F A
Minor Maj7 1 · b3 · 5 · 7	C E \flat G B	C# E G# C	D F A C#	E \flat G \flat B \flat D	E G B D#	F A \flat C E	F# A C# F	G B \flat D F#	A \flat B E \flat G	A C E G#	B \flat D \flat F A	B D F# A#

CHORD INVERSIONS

TRIAD INVERSIONS

POSITION	NOTES (C MAJOR)	R.H. FINGERS
Root	C · E · G	1 - 3 - 5
1st inv.	E · G · C	1 - 2 - 5
2nd inv.	G · C · E	1 - 3 - 5

7TH CHORD INVERSIONS

POSITION	NOTES (CMAJ7)	R.H. FINGERS
Root	C E G B	1-2-4-5
1st inv.	E G B C	1-2-4-5
2nd inv.	G B C E	1-2-3-5
3rd inv.	B C E G	1-2-4-5

inversions keep the same notes, just reorder starting from a different note in the chord

ENHARMONIC EQUIVALENTS

SHARP	=	FLAT
C#	=	D \flat
D#	=	E \flat
F#	=	G \flat
G#	=	A \flat
A#	=	B \flat
E#	=	F
B#	=	C

same key on piano, different name depending on key signature context

QUICK TIPS**DIM7 SYMMETRY**

dim7 chords repeat every 3 semitones.
Only 3 unique dim7 shapes exist:
C°7 = E♭°7 = G♭°7 = A°7
C#°7 = E°7 = G°7 = B♭°7
D°7 = F°7 = A♭°7 = B°7

AUG SYMMETRY

aug triads repeat every 4 semitones. Only 4 unique shapes:
Caug = Eaug = G#aug
C#aug = Faug = Aaug
Daug = F#aug = A#aug
Ebaug = Gaug = Baug

DOM7 → RESOLUTION

G7 resolves to C · D7 resolves to G · A7
resolves to D (dominant → tonic, a 5th
down)