

字母、数字和弦简线对照

常用和弦（十二个半音）

Chengm 制谱

Major chords (C major scale):

Letter	Number	Diagram
C	1	$\frac{2}{4} \frac{5}{1}$
D \flat	b2	$\frac{b6}{b2} \frac{4}{2}$
D	2	$\frac{\sharp 6}{2} \frac{4}{2}$
E \flat	b3	$\frac{b7}{b3} \frac{5}{3}$
E	3	$\frac{\sharp 7}{3} \frac{5}{3}$
F	4	$\frac{1}{4} \frac{6}{4}$
G \flat	b5	$\frac{b2}{b5} \frac{7}{5}$
G	5	$\frac{2}{5} \frac{7}{5}$
A \flat	b6	$\frac{b3}{b6} \frac{1}{6}$
A	6	$\frac{\sharp 3}{6} \frac{1}{6}$
B \flat	b7	$\frac{4}{b7} \frac{2}{7}$
B	7	$\frac{\sharp 4}{7} \frac{2}{7}$

Minor chords (C minor scale):

Letter	Number	Diagram
Cm	1m	$\frac{b5}{1} \frac{3}{1}$
D \flat m	b2m	$\frac{b6}{b2} \frac{4}{2} (\frac{b3}{b2})$
Dm	2m	$\frac{6}{2} \frac{4}{2}$
E \flat m	b3m	$\frac{b7}{b3} \frac{5}{3}$
Em	3m	$\frac{7}{3} \frac{5}{3}$
Fm	4m	$\frac{1}{4} \frac{6}{4}$
G \flat m	b5m	$\frac{b2}{b5} \frac{7}{5} (\frac{b2}{b5})$
Gm	5m	$\frac{2}{5} \frac{7}{5}$
A \flat m	b6m	$\frac{b3}{b6} \frac{1}{6} (\frac{b3}{b6})$
Am	6m	$\frac{3}{6} \frac{1}{6}$
B \flat m	b7m	$\frac{4}{b7} \frac{2}{7}$
Bm	7m	$\frac{\sharp 4}{7} \frac{2}{7}$

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Dominant chords (C major scale):

Letter	Number	Diagram
C 5	1 5	$\frac{5}{1} \frac{3}{1}$
D \flat 5	b2 5	$\frac{b6}{b2} \frac{4}{2}$
D 5	2 5	$\frac{6}{2} \frac{4}{2}$
E \flat 5	b3 5	$\frac{b7}{b3} \frac{5}{3}$
E 5	3 5	$\frac{7}{3} \frac{5}{3}$
F 5	4 5	$\frac{1}{4} \frac{6}{4}$
G \flat 5	b5 5	$\frac{b2}{b5} \frac{7}{5}$
G 5	5 5	$\frac{2}{5} \frac{7}{5}$
A \flat 5	b6 5	$\frac{b3}{b6} \frac{1}{6}$
A 5	6 5	$\frac{3}{6} \frac{1}{6}$
B \flat 5	b7 5	$\frac{4}{b7} \frac{2}{7}$
B 5	7 5	$\frac{\sharp 4}{7} \frac{2}{7}$

Semi-dominant chords (C major scale):

Letter	Number	Diagram
C 6	1 6	$\frac{6}{1} \frac{4}{1} \frac{2}{1}$
D \flat 6	b2 6	$\frac{b7}{b2} \frac{4}{2} \frac{b6}{b2}$
D 6	2 6	$\frac{7}{2} \frac{4}{2} \frac{6}{2}$
E \flat 6	b3 6	$\frac{1}{b3} \frac{7}{3} \frac{b7}{b3}$
E 6	3 6	$\frac{\sharp 1}{3} \frac{7}{3} \frac{\sharp 7}{3}$
F 6	4 6	$\frac{2}{4} \frac{1}{4} \frac{6}{4}$
G \flat 6	b5 6	$\frac{b3}{b5} \frac{7}{5} \frac{b7}{b5}$
G 6	5 6	$\frac{3}{5} \frac{7}{5} \frac{2}{5}$
A \flat 6	b6 6	$\frac{4}{b6} \frac{1}{6} \frac{b3}{b6}$
A 6	6 6	$\frac{\sharp 4}{6} \frac{1}{6} \frac{\sharp 3}{6}$
B \flat 6	b7 6	$\frac{5}{b7} \frac{2}{7} \frac{b4}{b7}$
B 6	7 6	$\frac{\sharp 5}{7} \frac{2}{7} \frac{\sharp 4}{7}$

Augmented chords (C major scale):

Letter	Number	Diagram
C $^+$	1 $^+$	$\frac{\sharp 5}{1} \frac{3}{1}$
D \flat $^+$	b2 $^+$	$\frac{6}{b2} \frac{4}{2}$
D $^+$	2 $^+$	$\frac{\sharp \sharp 6}{2} \frac{4}{2}$
E \flat $^+$	b3 $^+$	$\frac{7}{b3} \frac{5}{3}$
E $^+$	3 $^+$	$\frac{\sharp \sharp 7}{3} \frac{5}{3} (\frac{1}{3})$
F $^+$	4 $^+$	$\frac{1}{4} \frac{6}{4}$
G \flat $^+$	b5 $^+$	$\frac{2}{b5} \frac{7}{5}$
G $^+$	5 $^+$	$\frac{\sharp 2}{5} \frac{7}{5}$
A \flat $^+$	b6 $^+$	$\frac{3}{b6} \frac{1}{6}$
A $^+$	6 $^+$	$\frac{\sharp \sharp 3}{6} \frac{1}{6} (\frac{4}{6})$
B \flat $^+$	b7 $^+$	$\frac{\sharp 4}{b7} \frac{2}{7}$
B $^+$	7 $^+$	$\frac{\sharp \sharp 4}{7} \frac{2}{7} (\frac{5}{7})$

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1° 2° 2° 3° 3° 4° 5° 5° 6° 6° 7° 7°

$\flat 5_1 =$ | $\flat 6_4 (\flat 5_2)$ | $\flat 6_4 =$ | $\flat 7_5 (\flat 6_3)$ | $\flat 7_5 =$ | $\flat 1_4 (\flat 7_4)$ | $\flat 2_5 (\flat 1_5)$ | $\flat 2_5 =$ | $\flat 3_6 (\flat 2_6)$ | $\flat 3_6 =$ | $\flat 4_7 (\flat 3_7)$ | $\flat 4_7 =$

[illegible]

Scale Degree	Chromatic Alteration
1	1
2	2 [♭]
3	3 [♯]
4	4
5	5
6	6 [♭]
7	7 [♯]
8	1
9	2 [♭]
10	3 [♯]
11	4
12	5

1add2	b2add2	2add2	b3add9	3add9	4add2	b5add2	5add2	b6add2	6add2	b7add2	7add2
5 3 1	b6 4 b3 b2	#6 4 3 2	b7 5 b4 b3	7 #5 #4 3	i 6 5 4	b2 b7 b6 b5	2 7 6 5	b3 b1 b7 b6	#3 #1 #7 6	4 2 b7	#4 #2 #1 7

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1sus2 ♭2sus2 2sus2 ♭3sus2 3sus2 4sus2 ♭5sus2 5sus2 ♭6sus2 6sus2 ♭7sus2 7sus2
 $\begin{smallmatrix} 5 \\ 2 \\ 1 \end{smallmatrix} =$ $\begin{smallmatrix} \flat 6 \\ \flat 3 \\ 2 \end{smallmatrix} =$ $\begin{smallmatrix} 6 \\ 3 \\ 2 \end{smallmatrix} =$ $\begin{smallmatrix} \flat 7 \\ \flat 4 \\ 3 \end{smallmatrix} =$ $\begin{smallmatrix} \sharp 7 \\ 4 \\ 3 \end{smallmatrix} =$ $\begin{smallmatrix} \dot{1} \\ 5 \\ 4 \end{smallmatrix} =$ $\begin{smallmatrix} \flat 2 \\ 6 \\ 5 \end{smallmatrix} =$ $\begin{smallmatrix} 2 \\ 6 \\ 5 \end{smallmatrix} =$ $\begin{smallmatrix} \flat 3 \\ \flat 7 \\ 6 \end{smallmatrix} =$ $\begin{smallmatrix} 3 \\ 6 \\ 5 \end{smallmatrix} =$ $\begin{smallmatrix} \flat 4 \\ \flat 7 \\ 6 \end{smallmatrix} =$ $\begin{smallmatrix} \sharp 4 \\ 7 \\ 6 \end{smallmatrix} =$

C^{sus9} D^bsus⁹ D^{sus9} E^bsus⁹ E^{sus9} F^{sus9} G^bsus⁹ G^{sus9} A^bsus⁹ A^{sus9} B^bsus⁹ B^{sus9}

1^{sus9} 2^{sus9} 2^{sus9} 3^{sus9} 3^{sus9} 4^{sus9} 5^{sus9} 5^{sus9} 6^{sus9} 6^{sus9} 7^{sus9} 7^{sus9}

C^(b5) D^b(^{b5}) D^(b5) E^b(^{b5}) E^(b5) F^(b5) G^b(^{b5}) G^(b5) A^b(^{b5}) A^(b5) B^b(^{b5}) B^(b5)

1^(b5) 2^(b5) 2^(b5) 3^(b5) 3^(b5) 4^(b5) 5^(b5) 5^(b5) 6^(b5) 6^(b5) 7^(b5) 7^(b5)

C^{add4} D^badd⁴ D^{add4} E^badd⁴ E^{add4} F^{add4} G^badd⁴ G^{add4} A^badd⁴ A^{add4} B^badd⁴ B^{add4}

1^{add4} 2^{add4} 2^{add4} 3^{add4} 3^{add4} 4^{add4} 5^{add4} 5^{add4} 6^{add4} 6^{add4} 7^{add4} 7^{add4}

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C⁷ D^b7 D⁷ E^b7 E⁷ F⁷ G^b7 G⁷ A^b7 A⁷ B^b7 B⁷

1⁷ 2⁷ 2⁷ 3⁷ 3⁷ 4⁷ 5⁷ 5⁷ 6⁷ 6⁷ 7⁷ 7⁷

C⁹ D^b9 D⁹ E^b9 E⁹ F⁹ G^b9 G⁹ A^b9 A⁹ B^b9 B⁹

1⁹ 2⁹ 2⁹ 3⁹ 3⁹ 4⁹ 5⁹ 5⁹ 6⁹ 6⁹ 7⁹ 7⁹

C¹¹ D^b11 D¹¹ E^b11 E¹¹ F¹¹ G^b11 G¹¹ A^b11 A¹¹ B^b11 B¹¹

1¹¹ 2¹¹ 2¹¹ 3¹¹ 3¹¹ 4¹¹ 5¹¹ 5¹¹ 6¹¹ 6¹¹ 7¹¹ 7¹¹

Chord progression: C¹³, D^{b13}, D¹³, E^{b13}, E¹³, F¹³, G^{b13}, G¹³, A^{b13}, A¹³, B^{b13}, B¹³

Scale patterns (1¹³ to 7¹³):

- 1¹³: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b2¹³: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- 2¹³: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b3¹³: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 3¹³: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 4¹³: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b5¹³: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- 5¹³: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- b6¹³: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- 6¹³: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- b7¹³: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣
- 7¹³: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣

Chord progression: C^{m6}, D^{b m6}, D^{m6}, E^{b m6}, E^{m6}, F^{m6}, G^{b m6}, G^{m6}, A^{b m6}, A^{m6}, B^{b m6}, B^{m6}

Scale patterns (1^{m6} to 7^{m6}):

- 1^{m6}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b2^{m6}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- 2^{m6}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b3^{m6}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 3^{m6}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 4^{m6}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b5^{m6}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- 5^{m6}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- b6^{m6}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- 6^{m6}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- b7^{m6}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣
- 7^{m6}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣

Chord progression: C^{m7}, D^{b m7}, D^{m7}, E^{b m7}, E^{m7}, F^{m7}, G^{b m7}, G^{m7}, A^{b m7}, A^{m7}, B^{b m7}, B^{m7}

Scale patterns (1^{m7} to 7^{m7}):

- 1^{m7}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b2^{m7}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- 2^{m7}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b3^{m7}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 3^{m7}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 4^{m7}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b5^{m7}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- 5^{m7}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- b6^{m7}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- 6^{m7}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- b7^{m7}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣
- 7^{m7}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣

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Chord progression: C^{m9}, D^{b m9}, D^{m9}, E^{b m9}, E^{m9}, F^{m9}, G^{b m9}, G^{m9}, A^{b m9}, A^{m9}, B^{b m9}, B^{m9}

Scale patterns (1^{m9} to 7^{m9}):

- 1^{m9}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b2^{m9}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- 2^{m9}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b3^{m9}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 3^{m9}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 4^{m9}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b5^{m9}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- 5^{m9}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- b6^{m9}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- 6^{m9}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- b7^{m9}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣
- 7^{m9}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣

Chord progression: C^{m11}, D^{b m11}, D^{m11}, E^{b m11}, E^{m11}, F^{m11}, G^{b m11}, G^{m11}, A^{b m11}, A^{m11}, B^{b m11}, B^{m11}

Scale patterns (1^{m11} to 7^{m11}):

- 1^{m11}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b2^{m11}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- 2^{m11}: 7̣, 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣
- b3^{m11}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 3^{m11}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- 4^{m11}: 6̣, 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣
- b5^{m11}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- 5^{m11}: 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣, 1̣
- b6^{m11}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- 6^{m11}: 4̣, 2̣, 1̣, 3̣, 5̣, 7̣, 1̣, 6̣
- b7^{m11}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣
- 7^{m11}: 5̣, 3̣, 1̣, 4̣, 6̣, 2̣, 5̣, 7̣

6 Cmaj9 D \flat maj9 Dmaj9 E \flat maj9 Emaj9 Fmaj9 G \flat maj9 Gmaj9 A \flat maj9 Amaj9 B \flat maj9 Bmaj9

1maj9 2maj9 2maj9 3maj9 3maj9 4maj9 5maj9 5maj9 6maj9 6maj9 7maj9 7maj9

1 2 3 4 5 6 7 8 9 10 11 12

Cmaj13 D \flat maj13 Dmaj13 E \flat maj13 Emaj13 Fmaj13 G \flat maj13 Gmaj13 A \flat maj13 Amaj13 B \flat maj13 Bmaj13

1maj13 2maj13 2maj13 3maj13 3maj13 4maj13 5maj13 5maj13 6maj13 6maj13 7maj13 7maj13

1 2 3 4 5 6 7 8 9 10 11 12

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Cm7(b5) D \flat m7(b5) Dm7(b5) E \flat m7(b5) Em7(b5) Fm7(b5) G \flat m7(b5) Gm7(b5) A \flat m7(b5) Am7(b5) B \flat m7(b5) Bm7(b5)

1m7(b5) 2m7(b5) 2m7(b5) 3m7(b5) 3m7(b5) 4m7(b5) 5m7(b5) 5m7(b5) 6m7(b5) 6m7(b5) 7m7(b5) 7m7(b5)

1 2 3 4 5 6 7 8 9 10 11 12

Cm9(b5) D \flat m9(b5) Dm9(b5) E \flat m9(b5) Em9(b5) Fm9(b5) G \flat m9(b5) Gm9(b5) A \flat m9(b5) Am9(b5) B \flat m9(b5) Bm9(b5)

1m9(b5) 2m9(b5) 2m9(b5) 3m9(b5) 3m9(b5) 4m9(b5) 5m9(b5) 5m9(b5) 6m9(b5) 6m9(b5) 7m9(b5) 7m9(b5)

1 2 3 4 5 6 7 8 9 10 11 12

Cm11(b5) D \flat m11(b5) Dm11(b5) E \flat m11(b5) Em11(b5) Fm11(b5) G \flat m11(b5) Gm11(b5) A \flat m11(b5) Am11(b5) B \flat m11(b5)

1m11(b5) 2m11(b5) 2m11(b5) 3m11(b5) 3m11(b5) 4m11(b5) 5m11(b5) 5m11(b5) 6m11(b5) 6m11(b5) 7m11(b5) 7m11(b5)

1 2 3 4 5 6 7 8 9 10 11 12

