

Afinação Temperada

Frequências de referência para a nota Lá											
Nota	435	436	437	438	439	440	441	442	443	444	445
C0	16.17	16.20	16.24	16.28	16.31	16.35	16.39	16.43	16.46	16.50	16.54
C#0	17.13	17.17	17.21	17.25	17.28	17.32	17.36	17.40	17.44	17.48	17.52
D0	18.15	18.19	18.23	18.27	18.31	18.35	18.40	18.44	18.48	18.52	18.56
Eb0	19.22	19.27	19.31	19.36	19.40	19.45	19.49	19.53	19.58	19.62	19.67
E0	20.37	20.41	20.46	20.51	20.55	20.60	20.65	20.70	20.74	20.79	20.84
F0	21.58	21.63	21.68	21.73	21.78	21.83	21.88	21.93	21.98	22.03	22.07
F#0	22.86	22.91	22.97	23.02	23.07	23.12	23.18	23.23	23.28	23.33	23.39
G0	24.22	24.28	24.33	24.39	24.44	24.50	24.56	24.61	24.67	24.72	24.78
G#0	25.66	25.72	25.78	25.84	25.90	25.96	26.02	26.07	26.13	26.19	26.25
A0	27.19	27.25	27.31	27.38	27.44	27.50	27.56	27.63	27.69	27.75	27.81
Bb0	28.80	28.87	28.94	29.00	29.07	29.14	29.20	29.27	29.33	29.40	29.47
B0	30.52	30.59	30.66	30.73	30.80	30.87	30.94	31.01	31.08	31.15	31.22
C1	32.33	32.41	32.48	32.55	32.63	32.70	32.78	32.85	32.93	33.00	33.07
C#1	34.25	34.33	34.41	34.49	34.57	34.65	34.73	34.81	34.88	34.96	35.04
D1	36.29	36.37	36.46	36.54	36.62	36.71	36.79	36.87	36.96	37.04	37.13
Eb1	38.45	38.54	38.63	38.71	38.80	38.89	38.98	39.07	39.16	39.24	39.33
E1	40.74	40.83	40.92	41.02	41.11	41.20	41.30	41.39	41.48	41.58	41.67
F1	43.16	43.26	43.36	43.46	43.55	43.65	43.75	43.85	43.95	44.05	44.15
F#1	45.72	45.83	45.93	46.04	46.14	46.25	46.35	46.46	46.56	46.67	46.77
G1	48.44	48.55	48.67	48.78	48.89	49.00	49.11	49.22	49.33	49.44	49.56
G#1	51.32	51.44	51.56	51.68	51.80	51.91	52.03	52.15	52.27	52.39	52.50
A1	54.38	54.50	54.63	54.75	54.88	55.00	55.13	55.25	55.38	55.50	55.63
Bb1	57.61	57.74	57.87	58.01	58.14	58.27	58.40	58.54	58.67	58.80	58.93
B1	61.03	61.17	61.31	61.45	61.60	61.74	61.88	62.02	62.16	62.30	62.44
C2	64.66	64.81	64.96	65.11	65.26	65.41	65.56	65.70	65.85	66.00	66.15
C#2	68.51	68.67	68.82	68.98	69.14	69.30	69.45	69.61	69.77	69.93	70.08
D2	72.58	72.75	72.92	73.08	73.25	73.42	73.58	73.75	73.92	74.08	74.25
Eb2	76.90	77.07	77.25	77.43	77.60	77.78	77.96	78.14	78.31	78.49	78.67
E2	81.47	81.66	81.85	82.03	82.22	82.41	82.59	82.78	82.97	83.16	83.34
F2	86.31	86.51	86.71	86.91	87.11	87.31	87.51	87.70	87.90	88.10	88.30
F#2	91.45	91.66	91.87	92.08	92.29	92.50	92.71	92.92	93.13	93.34	93.55
G2	96.89	97.11	97.33	97.55	97.78	98.00	98.22	98.44	98.67	98.89	99.11
G#2	102.65	102.88	103.12	103.35	103.59	103.83	104.06	104.30	104.53	104.77	105.01

A2	108.75	109.00	109.25	109.50	109.75	110.00	110.25	110.50	110.75	111.00	111.25
Bb2	115.22	115.48	115.75	116.01	116.28	116.54	116.81	117.07	117.34	117.60	117.87
B2	122.07	122.35	122.63	122.91	123.19	123.47	123.75	124.03	124.31	124.59	124.87
C3	129.33	129.62	129.92	130.22	130.52	130.81	131.11	131.41	131.70	132.00	132.30
C#3	137.02	137.33	137.65	137.96	138.28	138.59	138.91	139.22	139.54	139.85	140.17
D3	145.16	145.50	145.83	146.16	146.50	146.83	147.17	147.50	147.83	148.17	148.50
Eb3	153.80	154.15	154.50	154.86	155.21	155.56	155.92	156.27	156.62	156.98	157.33
E3	162.94	163.32	163.69	164.06	164.44	164.81	165.19	165.56	165.94	166.31	166.69
F3	172.63	173.03	173.42	173.82	174.22	174.61	175.01	175.41	175.80	176.20	176.60
F#3	182.89	183.32	183.74	184.16	184.58	185.00	185.42	185.84	186.26	186.68	187.10
G3	193.77	194.22	194.66	195.11	195.55	196.00	196.44	196.89	197.33	197.78	198.22
G#3	205.29	205.76	206.24	206.71	207.18	207.65	208.12	208.60	209.07	209.54	210.01
A3	217.50	218.00	218.50	219.00	219.50	220.00	220.50	221.00	221.50	222.00	222.50
Bb3	230.43	230.96	231.49	232.02	232.55	233.08	233.61	234.14	234.67	235.20	235.73
B3	244.14	244.70	245.26	245.82	246.38	246.94	247.50	248.06	248.63	249.19	249.75
C4	258.65	259.25	259.84	260.44	261.03	261.63	262.22	262.81	263.41	264.00	264.60
C#4	274.03	274.66	275.29	275.92	276.55	277.18	277.81	278.44	279.07	279.70	280.33
D4	290.33	291.00	291.66	292.33	293.00	293.66	294.33	295.00	295.67	296.33	297.00
Eb4	307.59	308.30	309.01	309.71	310.42	311.13	311.83	312.54	313.25	313.96	314.66
E4	325.88	326.63	327.38	328.13	328.88	329.63	330.38	331.13	331.88	332.62	333.37
F4	345.26	346.05	346.85	347.64	348.43	349.23	350.02	350.82	351.61	352.40	353.20
F#4	365.79	366.63	367.47	368.31	369.15	369.99	370.84	371.68	372.52	373.36	374.20
G4	387.54	388.43	389.32	390.21	391.10	392.00	392.89	393.78	394.67	395.56	396.45
G#4	410.59	411.53	412.47	413.42	414.36	415.30	416.25	417.19	418.14	419.08	420.02
A4	435.00	436.00	437.00	438.00	439.00	440.00	441.00	442.00	443.00	444.00	445.00
Bb4	460.87	461.93	462.99	464.04	465.10	466.16	467.22	468.28	469.34	470.40	471.46
B4	488.27	489.39	490.52	491.64	492.76	493.88	495.01	496.13	497.25	498.37	499.50
C5	517.31	518.49	519.68	520.87	522.06	523.25	524.44	525.63	526.82	528.01	529.20
C#5	548.07	549.33	550.59	551.85	553.11	554.37	555.63	556.89	558.15	559.40	560.66
D5	580.66	581.99	583.33	584.66	585.99	587.33	588.66	590.00	591.33	592.67	594.00
Eb5	615.18	616.60	618.01	619.43	620.84	622.25	623.67	625.08	626.50	627.91	629.33
E5	651.76	653.26	654.76	656.26	657.76	659.26	660.75	662.25	663.75	665.25	666.75
F5	690.52	692.11	693.69	695.28	696.87	698.46	700.04	701.63	703.22	704.81	706.39
F#5	731.58	733.26	734.94	736.63	738.31	739.99	741.67	743.35	745.03	746.72	748.40
G5	775.08	776.86	778.65	780.43	782.21	783.99	785.77	787.55	789.34	791.12	792.90
G#5	821.17	823.06	824.95	826.83	828.72	830.61	832.50	834.38	836.27	838.16	840.05
A5	870.00	872.00	874.00	876.00	878.00	880.00	882.00	884.00	886.00	888.00	890.00

Bb5	921.73	923.85	925.97	928.09	930.21	932.33	934.45	936.57	938.68	940.80	942.92
B5	976.54	978.79	981.03	983.28	985.52	987.77	990.01	992.26	994.50	996.75	998.99
C6	1034.61	1036.99	1039.37	1041.75	1044.12	1046.50	1048.88	1051.26	1053.64	1056.02	1058.39
C#6	1096.13	1098.65	1101.17	1103.69	1106.21	1108.73	1111.25	1113.77	1116.29	1118.81	1121.33
D6	1161.31	1163.98	1166.65	1169.32	1171.99	1174.66	1177.33	1180.00	1182.67	1185.34	1188.01
Eb6	1230.37	1233.19	1236.02	1238.85	1241.68	1244.51	1247.34	1250.16	1252.99	1255.82	1258.65
E6	1303.53	1306.52	1309.52	1312.52	1315.51	1318.51	1321.51	1324.50	1327.50	1330.50	1333.49
F6	1381.04	1384.21	1387.39	1390.56	1393.74	1396.91	1400.09	1403.26	1406.44	1409.61	1412.79
F#6	1463.16	1466.52	1469.89	1473.25	1476.61	1479.98	1483.34	1486.70	1490.07	1493.43	1496.80
G6	1550.16	1553.73	1557.29	1560.85	1564.42	1567.98	1571.55	1575.11	1578.67	1582.24	1585.80
G#6	1642.34	1646.12	1649.89	1653.67	1657.44	1661.22	1664.99	1668.77	1672.55	1676.32	1680.10
A6	1740.00	1744.00	1748.00	1752.00	1756.00	1760.00	1764.00	1768.00	1772.00	1776.00	1780.00
Bb6	1843.47	1847.70	1851.94	1856.18	1860.42	1864.66	1868.89	1873.13	1877.37	1881.61	1885.84
B6	1953.08	1957.57	1962.06	1966.55	1971.04	1975.53	1980.02	1984.51	1989.00	1993.49	1997.98
C7	2069.22	2073.98	2078.73	2083.49	2088.25	2093.00	2097.76	2102.52	2107.28	2112.03	2116.79
C#7	2192.26	2197.30	2202.34	2207.38	2212.42	2217.46	2222.50	2227.54	2232.58	2237.62	2242.66
D7	2322.62	2327.96	2333.30	2338.64	2343.98	2349.32	2354.66	2360.00	2365.34	2370.68	2376.01
Eb7	2460.73	2466.39	2472.05	2477.70	2483.36	2489.02	2494.67	2500.33	2505.99	2511.64	2517.30
E7	2607.05	2613.05	2619.04	2625.03	2631.03	2637.02	2643.01	2649.01	2655.00	2660.99	2666.99
F7	2762.08	2768.43	2774.78	2781.13	2787.48	2793.83	2800.18	2806.53	2812.87	2819.22	2825.57
F#7	2926.32	2933.05	2939.77	2946.50	2953.23	2959.96	2966.68	2973.41	2980.14	2986.86	2993.59
G7	3100.33	3107.45	3114.58	3121.71	3128.84	3135.96	3143.09	3150.22	3157.35	3164.47	3171.60
G#7	3284.68	3292.23	3299.78	3307.34	3314.89	3322.44	3329.99	3337.54	3345.09	3352.64	3360.19
A7	3480.00	3488.00	3496.00	3504.00	3512.00	3520.00	3528.00	3536.00	3544.00	3552.00	3560.00
Bb7	3686.93	3695.41	3703.88	3712.36	3720.83	3729.31	3737.79	3746.26	3754.74	3763.21	3771.69
B7	3906.17	3915.15	3924.13	3933.11	3942.09	3951.07	3960.05	3969.03	3978.01	3986.99	3995.96
C8	4138.44	4147.95	4157.47	4166.98	4176.50	4186.01	4195.52	4205.04	4214.55	4224.06	4233.58
C#8	4384.53	4394.60	4404.68	4414.76	4424.84	4434.92	4445.00	4455.08	4465.16	4475.24	4485.32
D8	4645.24	4655.92	4666.60	4677.28	4687.96	4698.64	4709.32	4719.99	4730.67	4741.35	4752.03
Eb8	4921.46	4932.78	4944.09	4955.40	4966.72	4978.03	4989.35	5000.66	5011.97	5023.29	5034.60
E8	5214.11	5226.10	5238.08	5250.07	5262.05	5274.04	5286.03	5298.01	5310.00	5321.99	5333.97
F8	5524.16	5536.85	5549.55	5562.25	5574.95	5587.65	5600.35	5613.05	5625.75	5638.45	5651.15
F#8	5852.64	5866.09	5879.55	5893.00	5906.46	5919.91	5933.37	5946.82	5960.27	5973.73	5987.18
G8	6200.66	6214.91	6229.16	6243.42	6257.67	6271.93	6286.18	6300.44	6314.69	6328.94	6343.20
G#8	6569.37	6584.47	6599.57	6614.67	6629.77	6644.88	6659.98	6675.08	6690.18	6705.28	6720.39
A8	6960.00	6976.00	6992.00	7008.00	7024.00	7040.00	7056.00	7072.00	7088.00	7104.00	7120.00
Bb8	7373.86	7390.81	7407.77	7424.72	7441.67	7458.62	7475.57	7492.52	7509.47	7526.43	7543.38

B8	7812.34	7830.30	7848.25	7866.21	7884.17	7902.13	7920.09	7938.05	7956.01	7973.97	7991.93
C9	8276.88	8295.91	8314.94	8333.96	8352.99	8372.02	8391.05	8410.07	8429.10	8448.13	8467.15
C#9	8769.05	8789.21	8809.37	8829.53	8849.69	8869.84	8890.00	8910.16	8930.32	8950.48	8970.64
D9	9290.49	9311.84	9333.20	9354.56	9375.92	9397.27	9418.63	9439.99	9461.34	9482.70	9504.06
Eb9	9842.93	9865.55	9888.18	9910.81	9933.44	9956.06	9978.69	10001.32	10023.95	10046.57	10069.20
E9	10428.22	10452.19	10476.16	10500.14	10524.11	10548.08	10572.05	10596.03	10620.00	10643.97	10667.95
F9	11048.31	11073.71	11099.11	11124.51	11149.90	11175.30	11200.70	11226.10	11251.50	11276.90	11302.30
F#9	11705.28	11732.19	11759.10	11786.00	11812.91	11839.82	11866.73	11893.64	11920.55	11947.46	11974.36
G9	12401.31	12429.82	12458.33	12486.84	12515.35	12543.85	12572.36	12600.87	12629.38	12657.89	12686.40
G#9	13138.73	13168.93	13199.14	13229.34	13259.55	13289.75	13319.95	13350.16	13380.36	13410.57	13440.77
A9	13920.00	13952.00	13984.00	14016.00	14048.00	14080.00	14112.00	14144.00	14176.00	14208.00	14240.00
Bb9	14747.73	14781.63	14815.53	14849.43	14883.34	14917.24	14951.14	14985.05	15018.95	15052.85	15086.75
B9	15624.67	15660.59	15696.51	15732.43	15768.35	15804.27	15840.18	15876.10	15912.02	15947.94	15983.86