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가 , 3/2 가 , 가 가
 , (.)
 가 , .
 , 가 .

1f 2f, 3f, 4f, 5f, 6f ,

1f, 2.03f, 2.98f, 4.07f, 5.3f, 6.08f 가

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 , 가 .
 , , , , .
 , 가 , .

, 440Hz(A) , 880Hz .

- 440 "X" = A#
- A# "X" = B
- B "X" = C
- C "X" = C#
- C# "X" = D
- D "X" = D#
-
- G "X" = G#
- G# "X" = A()

가 X .

440 X * X * X * X(12) 880 .

$$440 \times X^{12} = 880$$

$$X^{12} = 2$$

$$X = \sqrt[12]{2}$$

$$X \approx 1.059 .$$

100cent , 1200cent 가 .
 440hz X , (A#) X , (G#)
 A=440 C 261.63hz
 261.62hz .

C	$2^{(0/12)}:1$	261.63hz	0cent	1:1	261.63hz	0 cent
D	$2^{(2/12)}:1$	293.66hz	200cent	9:8	294.33hz	203.91cent
E	$2^{(4/12)}:1$	329.63hz	400cent	5:4	327.03hz	386.31cent
F	$2^{(5/12)}:1$	349.23hz	500cent	4:3	348.84hz	498.04cent
G	$2^{(7/12)}:1$	392.99hz	700cent	3:2	392.44hz	701.96cent
A	$2^{(9/12)}:1$	440hz	900cent	5:3	436.05hz	884.36cent
B	$2^{(11/12)}:1$	493.88hz	1100cent	15:8	490.55hz	1088.27cent
C	$2^{(12/12)}:1$	523.25hz	1200cent	2:1	523.25hz	1200cent

$2^{(0/12)}=1, 2^{(12/12)}=2$

, 가 가 가 12
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Last update: **2024/04/05**

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