



[Yuc - Yet another Unit Converter](#)

[Convert a unit](#)

[Add unit conversions](#)

[Define unit name](#)

[Contacts](#)

Yuc - Yet another Unit Converter

Yuc is a universal unit converter.

You can fully customize Yuc adding your own categories and unit conversions, in a very easy way, without any programming skills.

Convert a unit

-> Click on the Units button

Units	Settings	Exit
Celsius		
Kelvin		
Fahrenheit		
Rankine		
Reaumur		

Hide +/- Update

E - <<

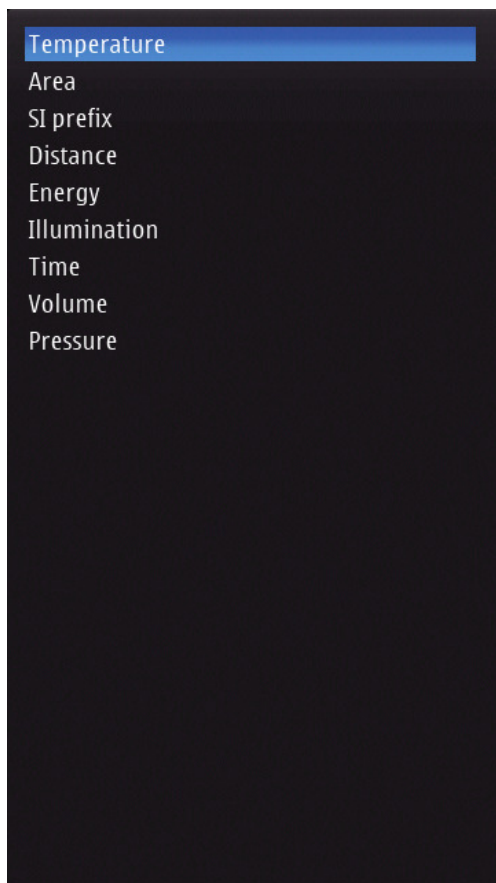
7 8 9

4 5 6

1 2 3

0 . Clear

-> then select a categorie



-> Tap the unit you want to convert (*Celsius* in this example), then tap the virtual keyboard. All other units are automatically converted.



You can also use the phone default keyboard by double clicking the column in front of Celsius, if you do so, when you're done you'll have to tap the update button to convert the units.

Add unit conversions

Tap Menu->Settings->Settings, it will display a list of Categories and a list of Units. You can add, edit or delete the categories and unit conversions.

By tapping any category from the category list, the unit list will update to the correspond unit conversions.

The Temperature category, displays the following list of conversions

Celsius = Kelvin -273.15

Celsius= (Fahrenheit - 32)*5/9

```
Kelvin=Celsius+273.15
Fahrenheit=Celsius*1.8 + 32
Fahrenheit = Kelvin*9/5-459.67
Kelvin=( Fahrenheit +459.67)*5/9
Rankine=(Celsius+273.15)*9/5
Celsius=(Rankine-491.67)*5/9
Reaumur=Celsius*4/5
Celsius=Reaumur*5/4
```

Yuc automatically detects that Celsius, Kelvin, Fahrenheit, Rankine, ... are units. You can easily use your web search engine to find any conversion formula you may need and add it to the list, just make sure you follow the conversion formula rule:

- 1) "any_unit_name"
- 2) followed by a "="
- 3) followed by a math expression with "another_unit_name"

The next following example would work:

```
m_unit1 = 5*(m_unit2-3.45)+3
```

but for a full conversions between the both units you would have to provide the inverse conversion

```
m_unit2 = (m_unit1 - 3)/5+3.45
```

In the Temperature category, please also note that there isn't any conversion formula defined between Rankine and Reaumur units.

Reaumur conversions are only defined against Celsius unit.

So when converting Rankine unit, there should be a blank space for the Reaumur unit, however Yuc is smart enough to detect that there is a conversion between Rankine and Celsius, and grabs Celsius value to convert to Reaumur.

This iterative algorithm will save you a lot of trouble, so you'll not have to define all the possible conversion formulas between all units.

Define unit name

Unit names must always start with letters, and can contain, numbers and "_" character, and can have any length.

Possible valid unit names:

x
y
m_unit1

When converting units like m/s (meter per second) you cannot name the unit:

m/s - invalid

you have to use names like

meter_per_second
or
meter_second
or
m_s

Yuc uses a math engine, so there are reserved words that you cannot use for unit names:

i
e
E
sin, cos, tan, cot, ..., asin, acos,

and other trigonometric functions name are not allowed.

Contacts

Email: joaodeusmorgado@yahoo.com

Web: <http://soft-ingenum.planetaclix.pt/>