

>> Chang 312.4 kelvin to degrees Fahrenheit. Okay, again, we can't change directly from kelvin to Fahrenheit, we can however change from kelvin to degrees C, and then from degrees C to degrees Fahrenheit. We know that if we want to get to degrees C we have to have the temperature in C by itself, so  $T_c$  equals temperature in kelvin minus 273. Okay, so putting 312.4 is temperature in kelvin minus 273, that brings us to a temperature in Celsius of 39.4 degrees C. So now we're here at 39.4, we want to change that to degrees Fahrenheit. Because we want to get degrees Fahrenheit, temperature in Fahrenheit will be by itself, equals 1.8 times  $T_c$ , which is 39.4, plus your 32. So, plugging in these numbers, multiplying these, and then adding the 32 afterwards, you get 103 degrees Fahrenheit. So, 312.4 kelvin equals 103 degrees Fahrenheit.