

Question #73495, Chemistry / General Chemistry / Completed

How many cubic inches are there in 9.0 cubic miles?

Solution

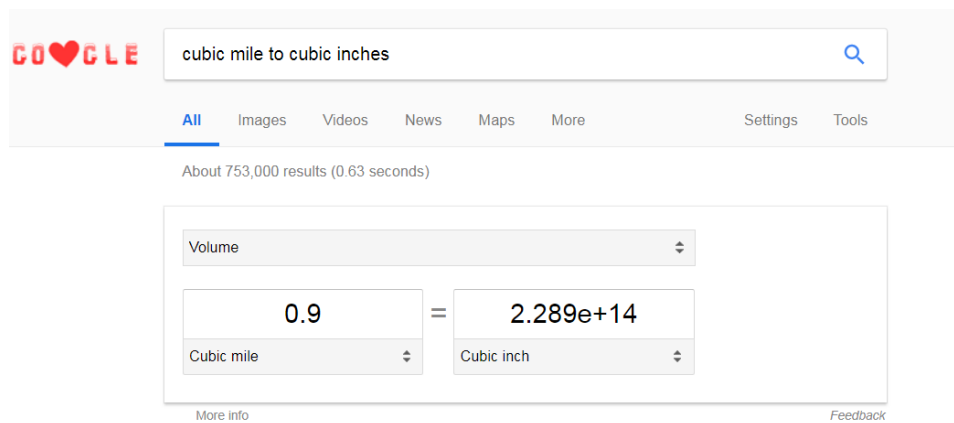
1 mile = 63360 inches

1 mile³ = 63360³ = 254358061056000 inches³

0.9 mile³ = x

X = 0.9 · 254358061056000 = 228922254950400 ≈ 2.3e+14 inches³

Answer: ≈ 2.3e+14 inches³



The screenshot shows a Google search for "cubic mile to cubic inches". The search bar contains the text "cubic mile to cubic inches" and a magnifying glass icon. Below the search bar are navigation tabs: "All" (selected), "Images", "Videos", "News", "Maps", "More", "Settings", and "Tools". Below the tabs, it says "About 753,000 results (0.63 seconds)".

The main content is a conversion calculator. At the top, there is a dropdown menu labeled "Volume". Below it, the number "0.9" is entered in a text box, followed by an equals sign and the result "2.289e+14". Below the number "0.9" is a dropdown menu labeled "Cubic mile". Below the result "2.289e+14" is a dropdown menu labeled "Cubic inch".

At the bottom left of the calculator, there is a link "More info". At the bottom right, there is a link "Feedback".