**Neodymium** is a [chemical element](https://en.wikipedia.org/wiki/Chemical_element) with the [symbol](https://en.wikipedia.org/wiki/Symbol_(chemistry)) **Nd** and [atomic number](https://en.wikipedia.org/wiki/Atomic_number) 60. Neodymium belongs to the [lanthanide](https://en.wikipedia.org/wiki/Lanthanide) series and is a [rare-earth element](https://en.wikipedia.org/wiki/Rare-earth_element). It is a hard, slightly [malleable](https://en.wikipedia.org/wiki/Malleable) silver metal that quickly [tarnishes](https://en.wikipedia.org/wiki/Tarnish) in air and moisture. When oxidized, neodymium reacts quickly to produce pink, purple/blue and yellow compounds. Neodymium was discovered in 1885 by the Austrian chemist [Carl Auer von Welsbach](https://en.wikipedia.org/wiki/Carl_Auer_von_Welsbach). Although neodymium is classed as a rare-earth element, it is fairly common, no rarer than [cobalt](https://en.wikipedia.org/wiki/Cobalt), [nickel](https://en.wikipedia.org/wiki/Nickel), or [copper](https://en.wikipedia.org/wiki/Copper), and is [widely distributed](https://en.wikipedia.org/wiki/Abundance_of_elements_in_Earth%27s_crust) in the Earth's [crust](https://en.wikipedia.org/wiki/Crust_(geology)).[[6]](https://en.wikipedia.org/wiki/Neodymium#cite_note-6) Most of the world's commercial neodymium is [mined](https://en.wikipedia.org/wiki/Mining) in China. It appears as silvery white from the outside. It comes in period 6.

[**Atomic mass**](https://www.google.com/search?safe=strict&rlz=1C1HLDY_enSA895SA895&sxsrf=ALeKk01UDrZjfgqsGfP7DBlZ9nlrQlPbGg:1598966920975&q=neodymium+atomic+mass&stick=H4sIAAAAAAAAAOPgE-LSz9U3MDItNikq0NLKTrbST85Izc0sLimqhLCSE3PiU3NSc1PzSqwSS_KBAgq5icXFi1hF81LzUypzM0tzFZDEARhcTnpSAAAA&sa=X&ved=2ahUKEwiY9tP6h8jrAhWnyDgGHb74B5YQ6BMoADAwegQIChAC)**:**144.242 u

[**Melting point**](https://www.google.com/search?safe=strict&rlz=1C1HLDY_enSA895SA895&sxsrf=ALeKk01UDrZjfgqsGfP7DBlZ9nlrQlPbGg:1598966920975&q=neodymium+melting+point&stick=H4sIAAAAAAAAAOPgE-LSz9U3MDItNikq0NLJTrbST85Izc0sLimqhLCSE3PiU3NSc1PzSqxyU3NKMvPSFQryM_NKFrGK56Xmp1TmZpbmKqDIAACBsDKZVgAAAA&sa=X&ved=2ahUKEwiY9tP6h8jrAhWnyDgGHb74B5YQ6BMoADAxegQICRAC)**:**1,016 °C

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| [**Boiling point**](https://en.wikipedia.org/wiki/Boiling_point) | 3074 °C |