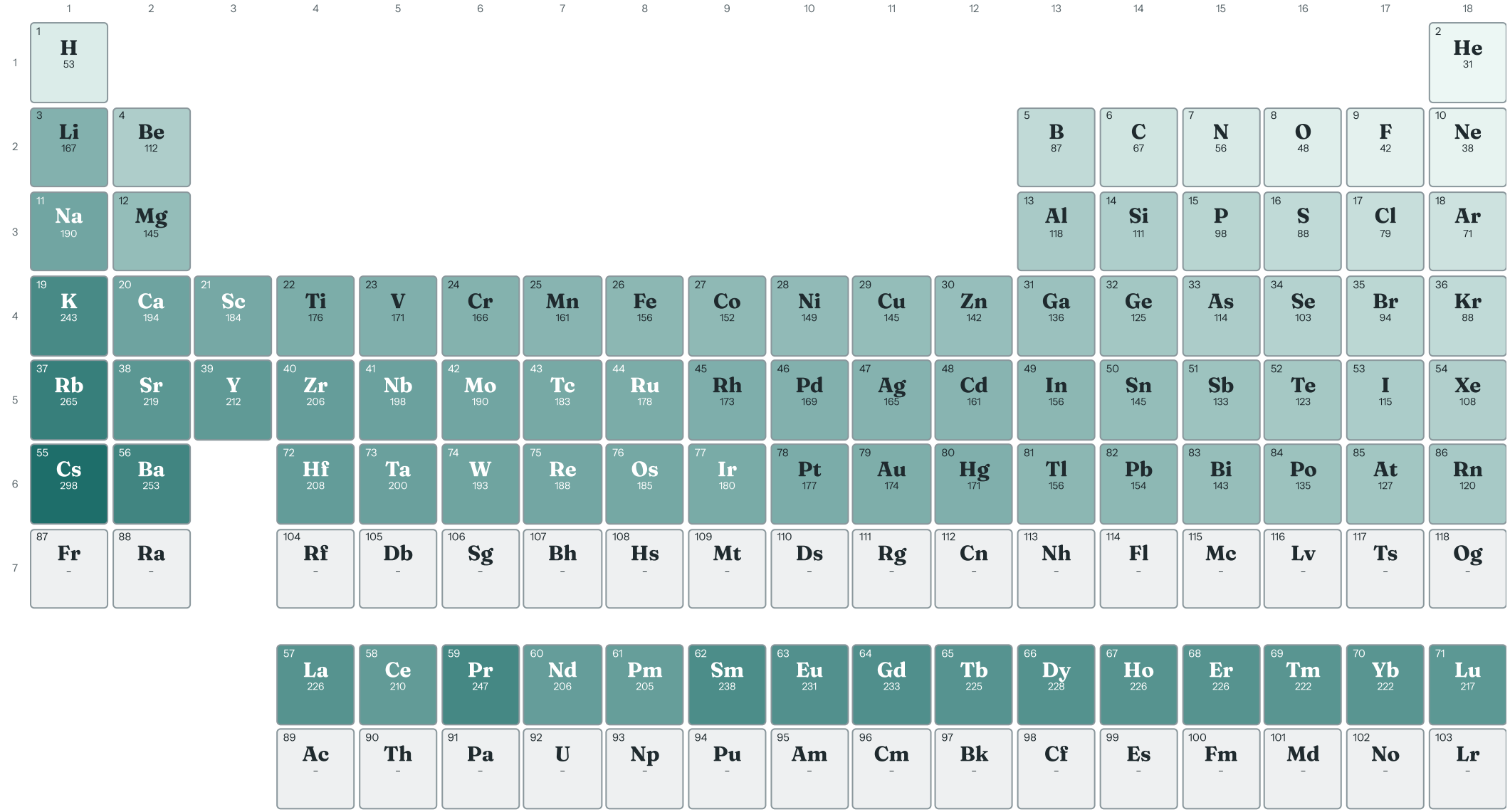
Periodic Table of Atomic Radius



Low — High · pm · grey tiles have no data

https://periodictable.page/

Periodic Table PDF: Atomic Radius Heat Map: notes

About this sheet

Every element shaded by calculated atomic radius in pm, on a linear scale, with darker tiles for larger atoms. The printed value is on each tile and tiles with no data are grey. The highest is cesium (298) and the lowest is helium (31).

Best for

Showing how atoms shrink across a period and grow down a group.

Printing

Heat maps rely on shading, so print in color. In grayscale the darker tiles still read as higher values.

What the data shows

86 of the 118 elements have a value for calculated atomic radius, so 32 tiles are grey. The three highest are cesium (298), rubidium (265) and barium (253) and the three lowest are helium (31), neon (38) and fluorine (42), all in pm.

Averaged by family, the alkali metals sit highest (232.6 pm) and the reactive nonmetals lowest (73.29 pm).

The median element is 166.5 pm, so half the elements fall below that shade.

How the table is organised

Atomic number counts the protons in an atom's nucleus and fixes each element's place in the table. Moving down a group adds a new electron shell, so atomic radius grows and metallic character increases.

More periodic table PDFs are free to download at https://periodictable.page/periodic-table-pdf/.