

Yttrium aluminium garnet

Yttrium aluminium garnet is a synthetic crystalline material of the garnet group. It is a cubic yttrium aluminium oxide phase, with other examples being YAlO_3 in a hexagonal or an orthorhombic, perovskite-like form, and the monoclinic $\text{Y}_4\text{Al}_2\text{O}_9$.

An Er: **YAG laser** (erbium-doped **yttrium aluminium garnet laser**, **erbium YAG laser**) is a **solid-state laser** whose active laser medium is erbium-doped yttrium aluminium garnet (Er:Y₃Al₅O₁₂). Er: YAG lasers typically emit **light** with a **wavelength** of 2940 nm, which is **infrared light**.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=yttrium_aluminium_garnet

Last update: **2024/06/07 02:59**

