

Brain atlas

A brain [atlas](#) is composed of serial sections along different anatomical planes of the healthy or diseased developing or adult animal or human [brain](#) where each relevant brain structure is assigned a number of coordinates to define its outline or volume. Brain atlases are contiguous, comprehensive results of visual brain mapping and may include anatomical, genetic or functional features ¹⁾.

In most atlases, the three dimensions are latero-lateral (x), dorso-ventral (y) and rostro-caudal (z). The possible sections are

[coronal](#)

[sagittal](#)

[transverse](#)

[Allen Brain Atlas](#)

<http://atlas.brain-map.org/>

[Michigan State](#)

<https://brains.anatomy.msu.edu/>

²⁾

[The Whole-Brain Atlas](#)

<http://www.med.harvard.edu/aanlib/>

[BigBrain](#)

<https://bigbrainproject.org/>

Cranial magnetic resonance imaging

see [Cranial magnetic resonance imaging](#).

¹⁾

Beliveau, Vincent; Ganz, Melanie; Feng, Ling; Ozenne, Brice; Højgaard, Liselotte; Fisher, Patrick M.; Svarer, Claus; Greve, Douglas N.; Knudsen, Gitte M. (2017-01-04). "A High-Resolution In Vivo Atlas of the Human Brain's Serotonin System". *Journal of Neuroscience*. 37 (1): 120–128. doi:10.1523/jneurosci.2830-16.2016. PMC 5214625. PMID 28053035.

2)

Ding SL, Royall JJ, Sunkin SM, Ng L, Facer BA, Lesnar P, Guillozet-Bongaarts A, McMurray B, Szafer A, Dolbeare TA, Stevens A, Tirrell L, Benner T, Caldejon S, Dalley RA, Dee N, Lau C, Nyhus J, Reding M, Riley ZL, Sandman D, Shen E, van der Kouwe A, Varjabedian A, Wright M, Zöllei L, Dang C, Knowles JA, Koch C, Phillips JW, Sestan N, Wahnoutka P, Zielke HR, Hohmann JG, Jones AR, Bernard A, Hawrylycz MJ, Hof PR, Fischl B, Lein ES. Comprehensive cellular-resolution atlas of the adult human brain. *J Comp Neurol*. 2016 Nov 1;524(16):3127-481. doi: 10.1002/cne.24080. Erratum in: *J Comp Neurol*. 2017 Feb 1;525(2):407. PMID: 27418273; PMCID: PMC5054943.

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