



**Chandra X-ray
Observatory Center**

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W49B: A supernova remnant that is located about 26,000 light years from Earth.
(Credit: X-ray: NASA/CXC/MIT/L.Lopez et al.; Infrared: Palomar; Radio: NSF/NRAO/VLA)

Caption: This highly distorted supernova remnant may contain the most recent black hole formed in the Milky Way galaxy. The composite image combines X-rays from Chandra (blue and green), radio data from the Very Large Array (pink), and infrared data from the Palomar Observatory (yellow). Most supernova explosions that destroy massive stars are generally symmetrical. In the W49B supernova, however, it appears that the material near its poles was ejected at much higher speeds than that at its equator. There is also evidence that the explosion that produced W49B left behind a black hole and not a neutron star like most other supernovas.

Scale: Image is 8.5 arcmin across. (60 light years)

Chandra X-ray Observatory ACIS Image

CXC operated for NASA by the Smithsonian Astrophysical Observatory