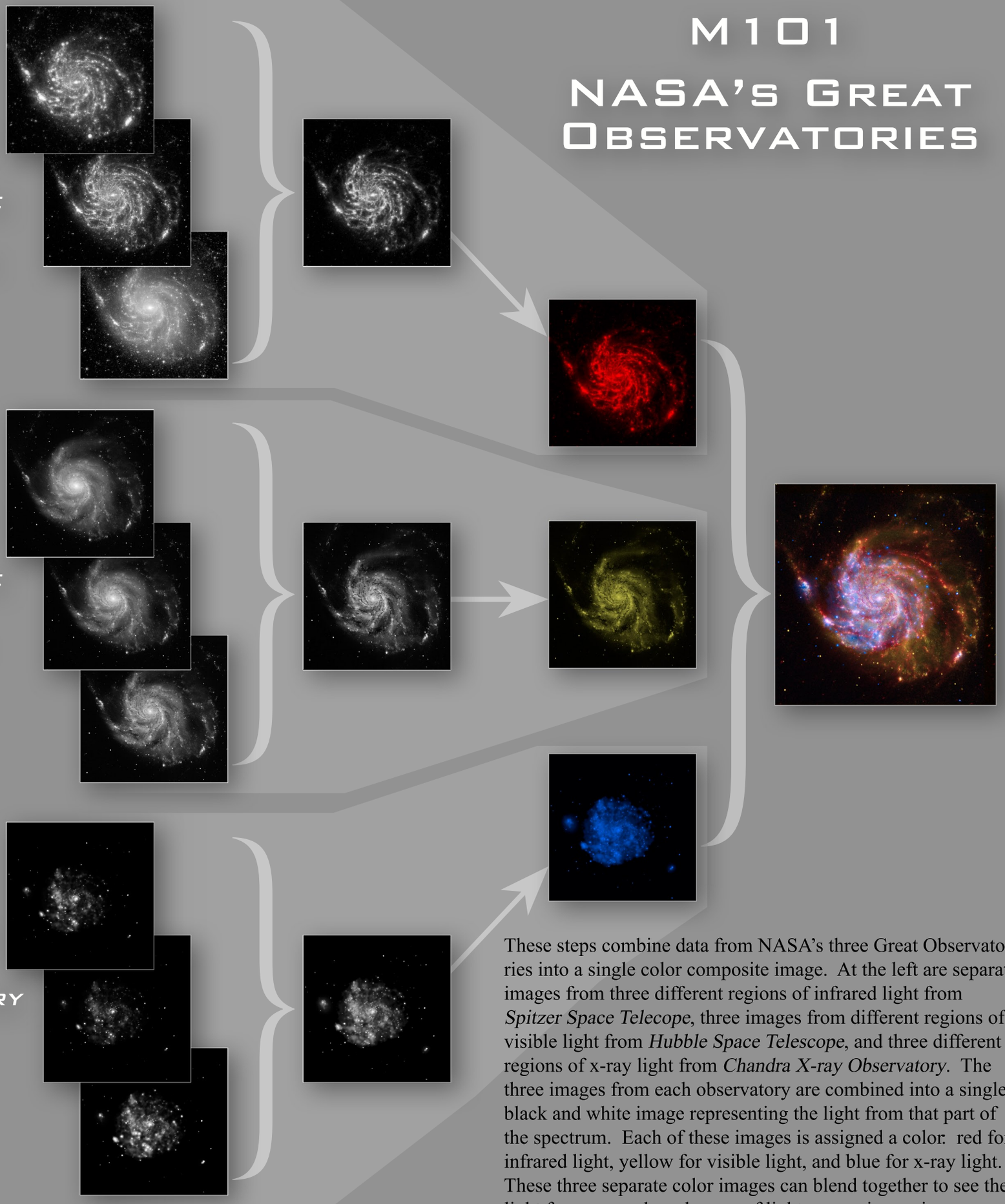
M101

NASA's Great Observatories



These steps combine data from NASA's three Great Observatories into a single color composite image. At the left are separate images from three different regions of infrared light from *Spitzer Space Telecope*, three images from different regions of visible light from *Hubble Space Telescope*, and three different regions of x-ray light from *Chandra X-ray Observatory*. The three images from each observatory are combined into a single black and white image representing the light from that part of the spectrum. Each of these images is assigned a color: red for infrared light, yellow for visible light, and blue for x-ray light. These three separate color images can blend together to see the light from a very broad range of light energy in one image.