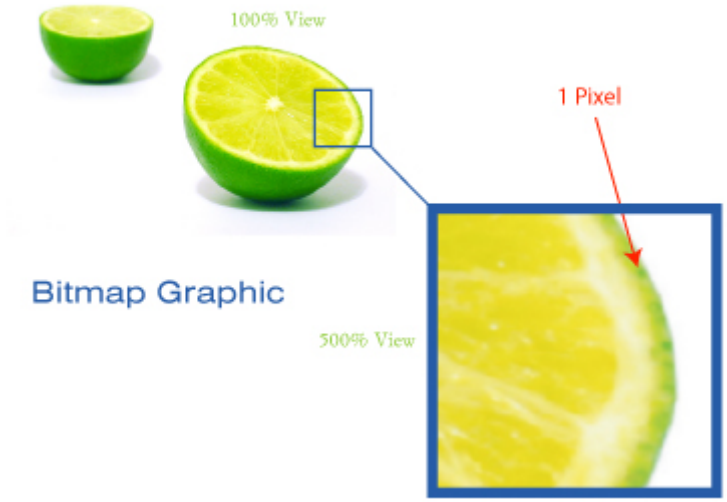
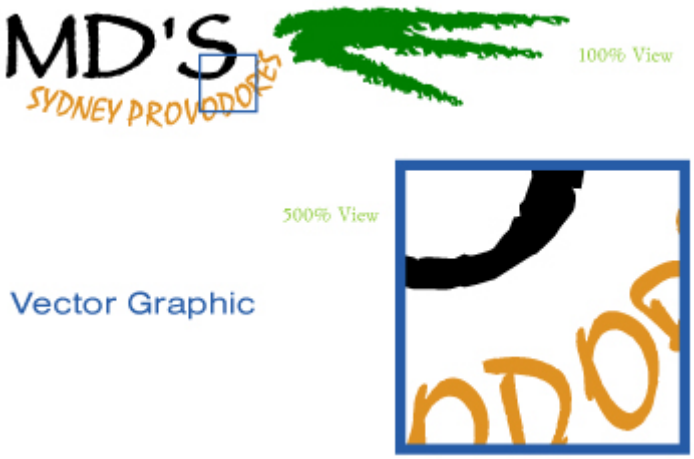
Raster Graphic Vs Vector Graphic
(Comparison)

Raster Graphic
Raster consists of rows and columns of dots where its value stored in one or more bits of data. The more bits used in a dot, the more colours and shades of gray that can be viewed within an area. The quantity of the dots, known as the resolution, determines how sharply the image can be represented. The disadvantage of bitmap graphics is that they will become ragged when you shrink or enlarge them. Some common raster files are JPEG, GIF, TIFF, PNG, PICT, and BMP.



Vector Graphic
Vector graphic is more flexible than bitmapped graphic because you can scale them to any different sizes and the solidity of the graphic is still intact. Some people might misunderstand that by importing bitmapped graphic in vector-based software, it will become a vector graphic, it will not work that way unless you redesign the shapes to a vector shape. A vector image is plotted by lines on an X-Y axis, the image is different from a bitmap, which is composed of pixels (dots).