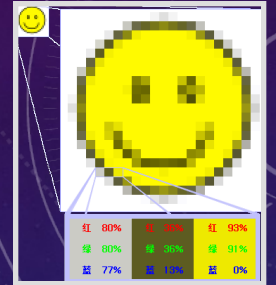VECTOR GRAPHICS *VS* RASTER GRAPHICS

VECTOR GRAPHICS (SCALABLE)

Vector graphics are computer graphics by point , line or polygon , etc. based on mathematical equations geometry shows an image .

RASTER GRAPHICS （BITMAP）

A raster graphics image is a dot matrix data structure representing a generally rectangular grid of pixels, or points of color, viewable via a monitor, paper, or other display medium.

SMALLEST ELEMENT

Vector Graphics
 points, lines, curves, and shapes or polygons

Raster Graphics
Pixels or points of color

ADVANTAGES

Vector Graphics

① File is small
② Image element objects can be edited
③ Does not affect the image to enlarge or reduce the image resolution

Raster Graphics

As long as there is a sufficient number of pixels of different colors,you can create a colorful image,vividly show the nature of the scene

DISADVANTAGES

Vector Graphics

Photorealistic low fidelity, to draw natural and high imagine takes a lot of skills

Raster Graphics

① Zoom and rotate easily distorted
② File is big