

# Complex Example

Write a C program which reads a PPM image from a file and outputs the mean RGB value of all pixels to the console.

The program should include a function which reads the PPM header and uses pointers to “return” the resolution. An array should be declared to hold the whole image and a second function used to read the file.

A third function should then analyse the pixel data and calculate the mean value. This function should accept a pointer to the image data array and pointers to three `floats` which get assigned the mean pixel value.