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Storage Of Information As A Colour Code

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Too much physical space is wasted while storing information on storage drives like CD-ROMs or Floppy drives in a two-logica system. Thus I intend to store information on recyclable paper via a colour code consisting of 8 colours and thus reduce the required physical space wasted. A C++ program has been built to convert the ASCII value of the text in a file to Octal. This has been printed onto recycled paper via a colour printer. The information is inputted via a scanner and reconverted via a C++ program to the original text. Each colour represents a number from 0 to 7. Each dot on the sheet represents a number. Thus the entire image represents the text. Since the number of digits used to represent most numbers in octal are the cube root of their binary equivalent, the physical space required should theoretically be cube-rooted. The program uses classes and had its own set of functions defined in it. The only requirements are a Personal Computer, a colour printer, a scanner and the required program. The paper is recycled if the information on it is outdated or incorrect and reused.

Using this method, the physical storage space used is reduced and the medium is concluded to be more economical than conventional storage methods. It also reduces the involvement of non-recyclable plastic and metals.