

Abstract

A color image processing method for retrieving a color feature descriptor for describing color features of an image is provided. The color image processing method includes the steps of: a) obtaining color vectors of an input image; b) classifying the color vectors to obtain dominant colors of the input image and the ratios thereof; and c) representing the dominant colors and the ratios thereof as a color feature descriptor of the input image. The color image processing method is applied to an object-based image processing method, thereby allowing fast search and retrieval of multi-media contents.