现在市面上绝大多数网页注册时输入验证码的方式为图片式验证码，通过输入图片上的字符及数字来区分人与机器行为的差别。但是这种基于字符和数字的验证码让人不易识别，却容易被机器识别。由于计算机不易捕捉色彩特征，因此提出了基于色彩的鼠标式视觉验证码系统，实现人与计算机行为的区分。本系统基于VB语言编写，采用形状和色彩两方面进行识别判定。图形形状的灵感来自于扑克牌中的4个花色，红色色彩的RGB值相同，但黑色设置了不同的明度，使得用户从9张图片中选出符合规定的形状与颜色的图片。实验表明，该系统能较好地区分人与计算机行为的不同，对于用户的简便性也有所提升。

Now the vast majority of web pages on the market when the importation of verification code for the image verification code, by entering the characters and figures on the picture to distinguish between people and machine behavior differences. But this type of character and digital verification code is not easy to identify, but easy to be identified by the machine. As the computer is not easy to capture the color characteristics, so the proposed color-based mouse-based visual verification code system to achieve the distinction between human and computer behavior. The system is based on VB language, the use of both shape and color recognition to determine. The graphic shape is inspired by the four colors in the poker, the red color of the same RGB value, but the black set a different brightness, allowing users to select from 9 pictures in line with the specified shape and color of the picture. Experiments show that the system can better distinguish between people and computer behavior, for the user's simplicity has also improved.