What colors are preferred by patients with spinal cord injury for wheelchair

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ABSTRACT

Color is a very important factor in product design. Different color may provoke different emotion. As handicapped people rely very much on wheel chair for their daily moving, color of wheel chair deserve more design consideration. In order to have better color design of wheel chair this research aims to investigate what colors are preferred by the handicapped people and if they are the same to those preferred by the normal people. Rhinoceros 4 was employed to generate a 3D model on computer and V-ray for Rhino 4.0 was utilized to generate 54 color samples. Fifteen spine-injured patients and fifteen normal people were asked to rate the sample based on their preference. The results show that spine-injured patients tend to dislike the colors provided in this research and colors preferred by normal people may not preferred by the spine-injured patients.

Keywords : wheel chair、color、spine-injured
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