# Report 8 - convert RGB2HSV and HSV2RGB using cuda

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## 1 Algorithm

- Implement CustomColor class for performing rgb and hsv convertor for each pixel.
- Write 2 global function which are ConvertRGB2HSV and ConvertHSV2RGB for parallel loading each pixel to CustomColor to convert and save back to array. Same way for converting HSV to RGB pixel.

## 2 Result

#### 2.1 Text Result

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Starting labwork 8
[ALGO ONLY] labwork 8 ellapsed 5.6ms
labwork 8 ellapsed 13.2ms

#### 2.2 Image Result



Figure 1: Image Result of cloud image