tf.image.rgb_to_hsv

```
rgb_to_hsv(
    images,
    name=None
)
```

Defined in `tensorflow/python/ops/gen_image_ops.py`.

See the guide: Images > Converting Between Colorspaces

Converts one or more images from RGB to HSV.

Outputs a tensor of the same shape as the `images` tensor, containing the HSV value of the pixels. The output is only well defined if the value in `images` are in `[0,1]`.

`output[..., 0]` contains hue, `output[..., 1]` contains saturation, and `output[..., 2]` contains value. All HSV values are in `[0,1]`. A hue of 0 corresponds to pure red, hue 1/3 is pure green, and 2/3 is pure blue.

Args:

- `images`: A `Tensor`. Must be one of the following types: `float32`, `float64`. 1-D or higher rank. RGB data to convert. Last dimension must be size 3.
- `name`: A name for the operation (optional).

Returns:

A `Tensor`. Has the same type as `images`. `images` converted to HSV.

Last updated November 2, 2017.