

RGB2HSV 1/2

R dans $[0, 1]$; G dans $[0, 1]$; B dans $[0, 1]$

$\max = \text{MAX}(R, G, B)$

$\min = \text{MIN}(R, G, B)$

$v = \max$ ①

si \max est nul

$s = 0$ ②

sinon

$s = (\max - \min) / \max$ ②

RGB2HSV 2/2

$$\Delta = 1.0 / (\max - \min)$$

$$\text{si } R = \Delta$$

$$H = \Delta \times (G - B)$$

$$\text{sinon si } G = \Delta$$

$$H = \Delta \times (B - R)$$

$$\text{sinon si } B = \Delta$$

$$H = \Delta \times (R - G)$$

$$H = H / 6, \text{ si } H < 0 \quad H = H + 1 \quad \textcircled{3}$$

