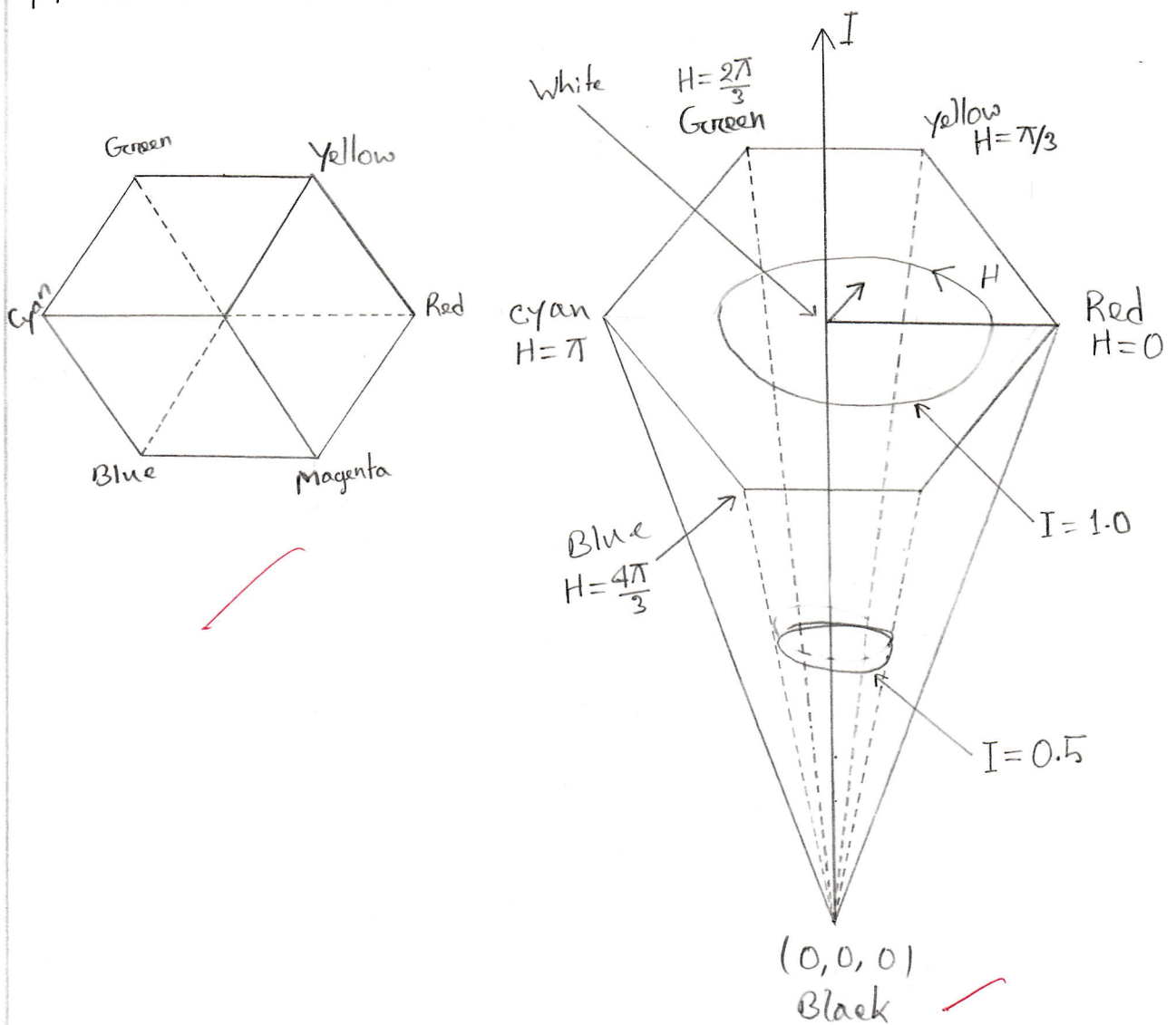


HSI Color Model



Color hexagon for HSI representation. At the left is a projection of the RGB cube perpendicular to the diagonal from $(0,0,0)$ to $(1,1,1)$ color names now appear at the vertices of a hexagon. At the right is a hexagon representing colors in ~~the~~ **HSI** coordinate system. Intensity (I) is the vertical axis, hue (H) is an angle from 0 to 2π with Red at 0.0, saturation (S) ranges from 0 to 1 according to how pure or unlike white the color is with $S=0.0$ corresponding to the I axis.