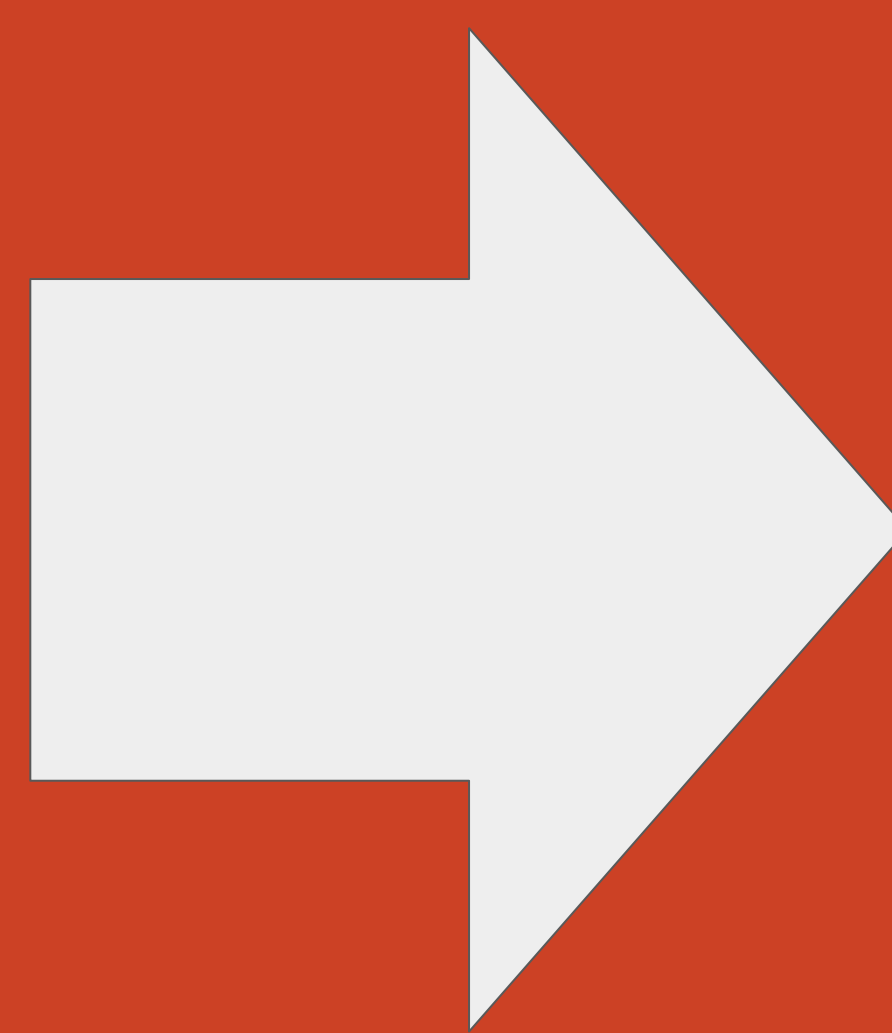




The Challenge

Convert a grayscale image into a color image

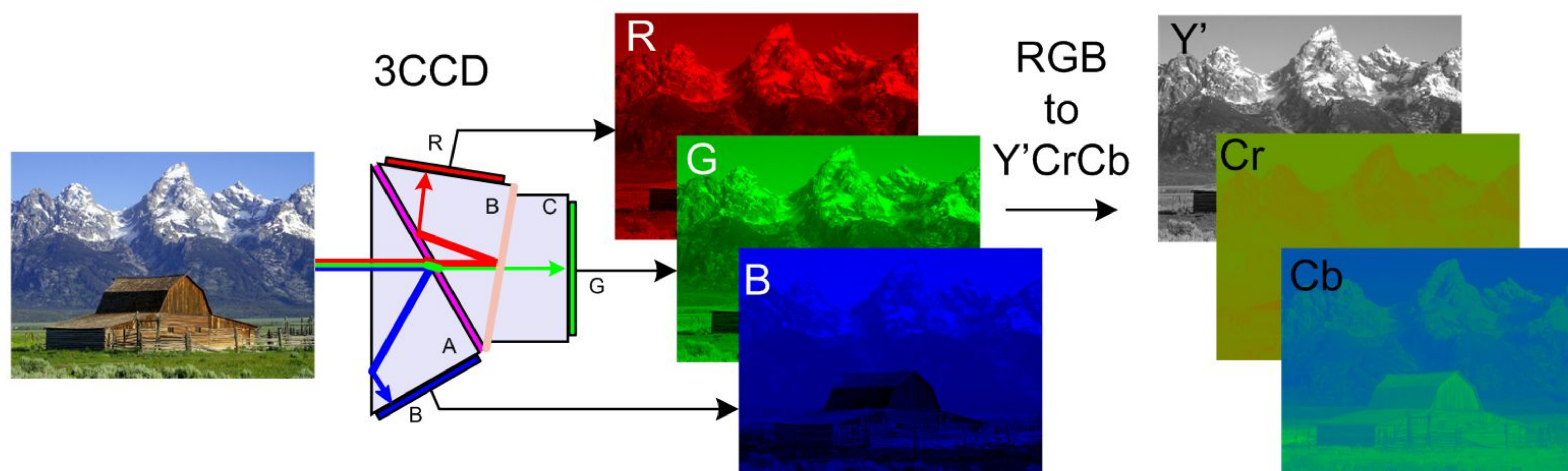
Input



Model Output

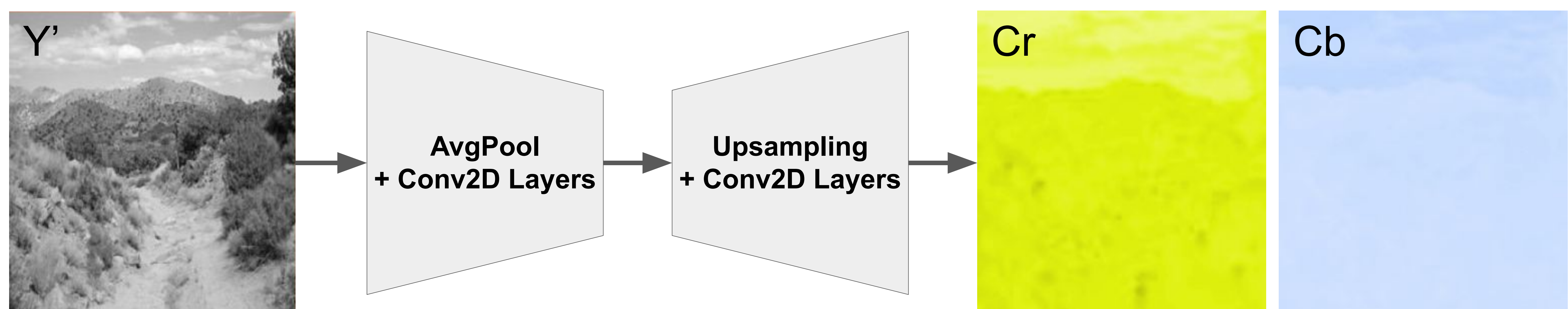


Utilizing Y'CbCr Colorspace



We convert each RGB image into Y'CbCr Colorspace.

Model Architecture



Our model utilizes the Y'CbCr colorspace in order to generate the output image. We do this because in Y'CbCr, our model only needs to predict the Cb and Cr channels. The Y channel represents luma, aka grayscale, which can be combined with the predicted Cb and Cr channels to produce a full RGB color image.