

Color Processing- Input Image



Color Processing- Output Image (adaptive), **scale = 1.8**



Color Processing- Output Image (dark adaptive), **scale = 1.8**



Output Image (dark adaptive bottom), **scale = 1.8**



Input Image



Skin Tone memory color detection



- Results from skin tone detection algorithm. White indicates a skin tone pixel. This information is used in the dynamic contrast algorithm and the color saturation enhancement algorithm.

Green/Grass memory color detection



- Results from Green/Grass detection algorithm. White indicates a green/grass pixel. This information is used in the dynamic contrast algorithm and the color saturation enhancement algorithm.

Blue/Sky memory color detection



- Results from Blue/Sky detection algorithm. White indicates a Blue/Sky pixel. This information is used in the dynamic contrast algorithm and the color saturation enhancement algorithm.

Sample input/Output for the contrast/color algorithm: color enhancement

Sky/blue color saturation enhancement



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output.

Sample input/Output for the contrast/color algorithm: color enhancement mode

Sky/blue color saturation enhancement



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output. Minimum change to the skin-tones in the contrast and color processing.

Sample input/Output for the contrast/color algorithm: color enhancement mode

Sky/blue color saturation enhancement



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output. Minimum change to the skin-tones in the contrast and color processing.

contrast/color algorithm: **color enhancement**

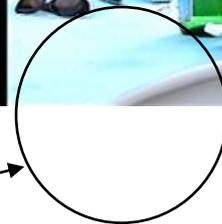
Grass/green color enhancement



Grass/green color enhancement

- The left side is represent the input frame to the contrast/color algorithm, the right side show the output.

contrast/color algorithm: simultaneous details enhancement/contrast enhancement mode



More detail in highlight than original

contrast/color algorithm: simultaneous details enhancement/contrast enhancement mode(more details in shadow areas than the original)



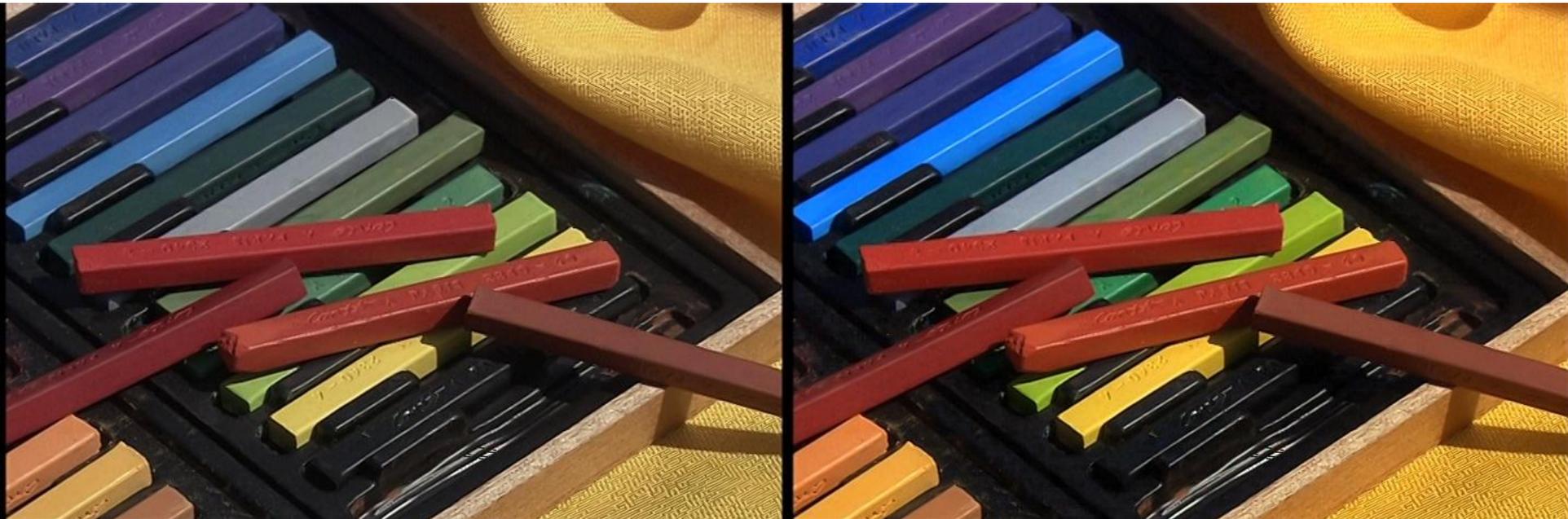
- The left side is represent the input frame to the contrast/color algorithm, the right side show the output.

contrast/color algorithm: contrast/color enhancement mode



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output. Minimum change to the skin-tones in the contrast and color processing.

contrast/color algorithm: contrast/color enhancement mode



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output.

contrast/color algorithm: contrast/color enhancement mode



- The left side is represent the input frame to the contrast/color algorithm, the right side show the output.