	VG COLOR EDGE DETECTOR	CANNY COLOR EDGE DETECTOR	color average of channels	Luminance of channels	Hue Edge Image	saturation Edge Image	Value Edge Image	colorCED_Combine	colorCED_max
Mean_MSE	10411.04	10353.58	10358.50	10353.66	5314.88	10358.57	10357.26	10353.67	10353.57
Mean_PSNR	7.9909	8.0174	8.0154	8.0174	10.9163	8.0154	8.0159	8.0147	8.0175

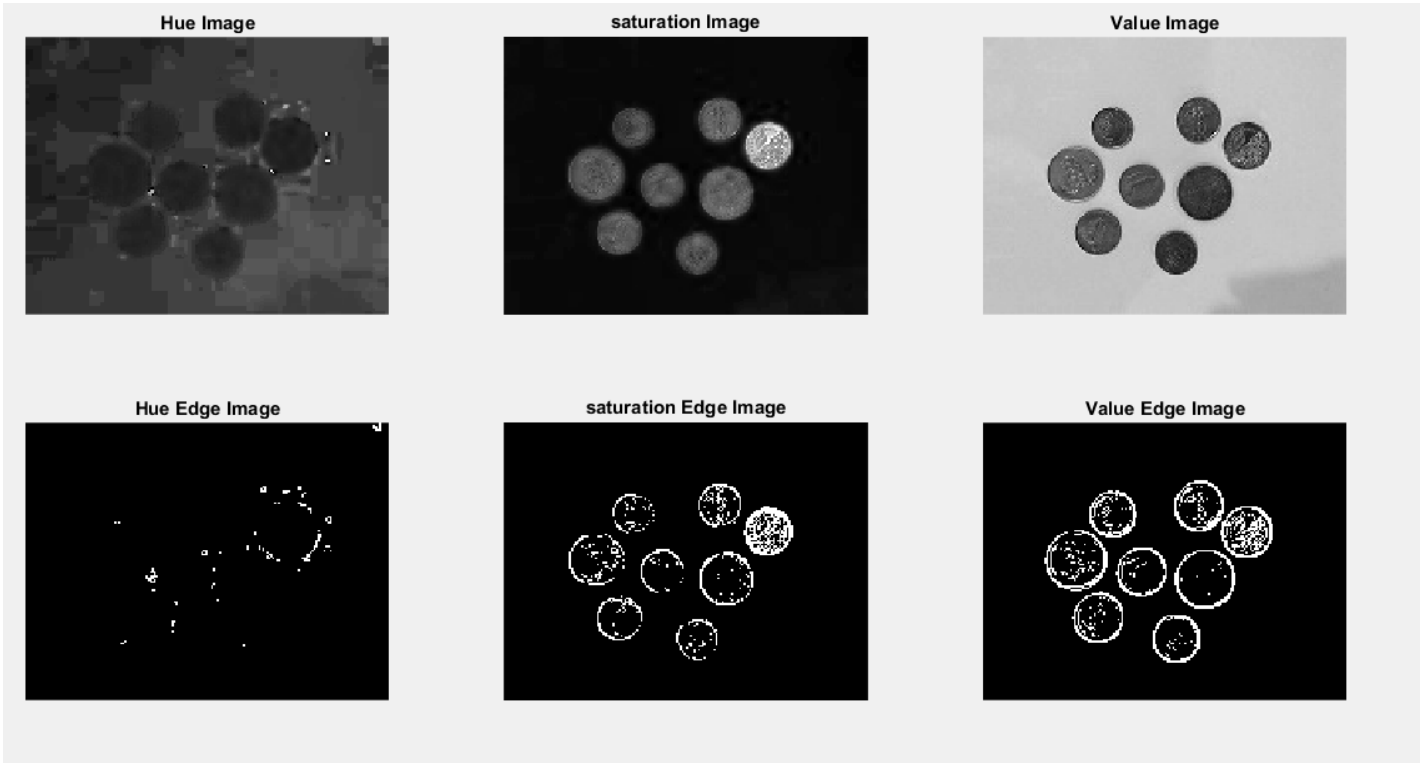


Figure 1: Result of(VD_edges) detector:

Figure 2: Result of(color canny) detector:

Figure 3: color CED-average of channels·

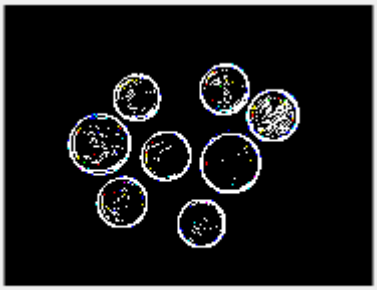


Figure 5: color CED-combine channels·

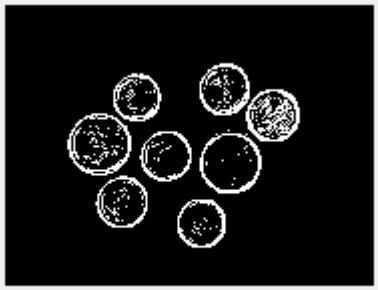


Figure 6: color CED- max of each channels·

coin with noise 0.0005

	VG COLOR EDGE DETECTOR	CANNY COLOR EDGE DETECTOR	color average of channels	Luminance of channels	Hue Edge Image	saturation Edge Image	Value Edge Image	colorCED_Combine	colorCED_max
Mean_MSE	10301.53	10355.95	10361.32	10356.19	5316.68	10360.99	10359.88	10356.34	10356.20
Mean_PSNR	8.0368	8.0164	8.0142	8.0163	10.9149	8.0143	8.0148	8.0163	8.0163

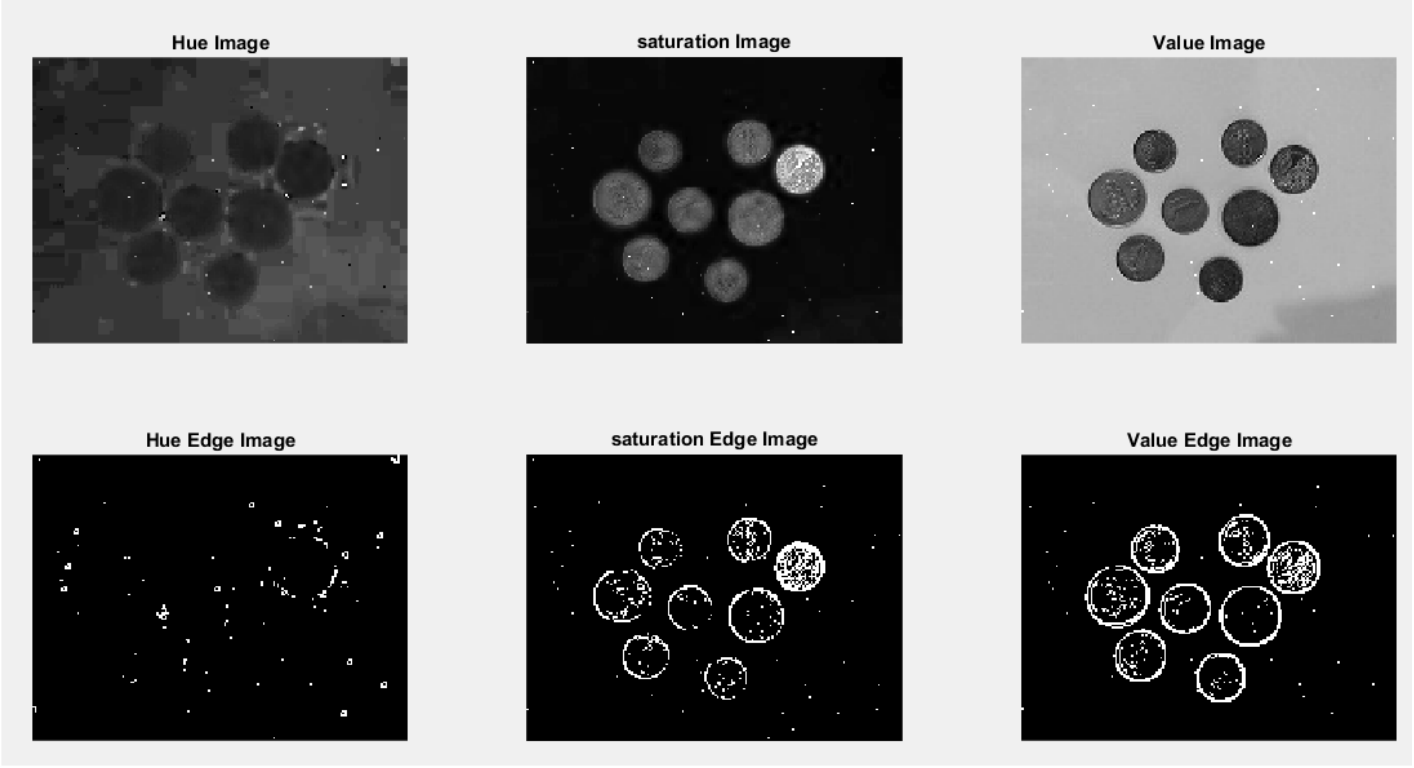


Figure 1: Result of(VD_edges) detector:

Figure 2: Result of(color canny) detector:

Figure 3: color CED-average of channels-

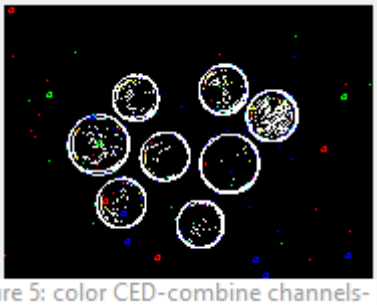


Figure 5: color CED-combine channels-

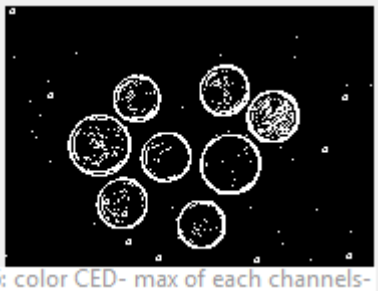
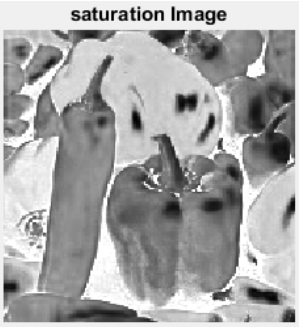
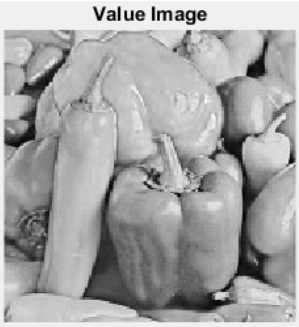


Figure 6: color CED- max of each channels-

peppers_color

	VG COLOR EDGE DETECTOR	CANNY COLOR EDGE DETECTOR	color average of channels	Luminance of channels	Hue Edge Image	saturation Edge Image	Value Edge Image	colorCED_Combine	colorCED_max
Mean_MSE	8076.58	5095.11	5104.84	5095.83	3670.08	5105.76	5099.23	5096.45	5095.02
Mean_PSNR	9.1092	11.7336	11.7240	11.7334	12.8512	11.7230	11.7288	11.7325	11.7346





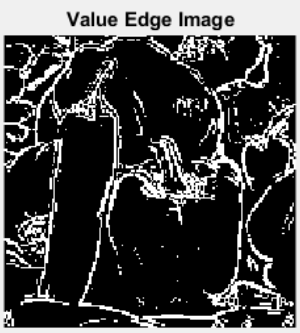


Figure 1: Result of(VD_edges) detector:

Figure 2: Result of(color canny) detector:

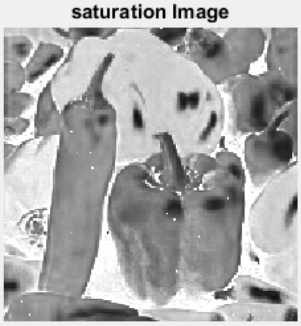
Figure 3: color CED-average of channels-

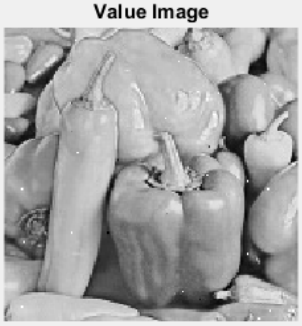
Figure 5: color CED-combine channels-

Figure 6: color CED- max of each channels-

peppers_color noise 0. 0005

	VG COLOR EDGE DETECTOR	CANNY COLOR EDGE DETECTOR	color average of channels	Luminance of channels	Hue Edge Image	saturation Edge Image	Value Edge Image	colorCED_Combine	colorCED_max
Mean_MSE	8080.38	5097.40	5107.20	5097.98	3670.70	5108.13	5101.61	5098.73	5097.27
Mean_PSNR	9.1074	11.7303	11.7207	11.7303	12.8480	11.7293	11.7255	11.7293	11.7313





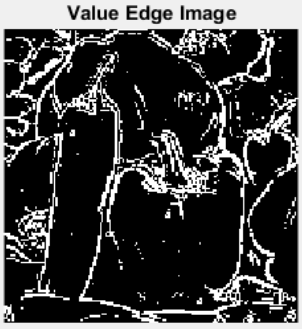


Figure 2: Result of(color canny) detector:

Figure 1: Result of(VD_edges) detector:

Figure 5: color CED-combine channels-

Figure 6: color CED- max of each channels-

Figure 3: color CED-average of channels-