The Colour of opaque objects

Get a good spectrum on a wall or a sheet of white paper in a darkened room. Place a piece of red cloth in the blue light of the spectrum. What colour is it? Place it in the green and in the yellow. How does it appear? Place it in the red light. How does it appear? Repeat using blue, green and yellow coloured cloth. You will observe that they appear black except when placed in the same coloured light. Thus opaque objects have colour because of the light they reflect; they absorb the other colours of the spectrum.