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Problems with RGB Only a small range of the potential perceivable colors can be represented (particularly for monitor RGB) Perceptually non-linear Two points a certain distance apart in one part of the space may be perceptually different Two other point, the same distance apart in another part of the space, may be perceptually the same In other words, a sensible distance metric on the space is almost impossible to come up with A broader question is: How do you measure the difference between colors? How far is red from green? From blue?

















