Primary Colors of Light Review

Go to: <http://www.colorado.edu/physics/2000/tv/colortv.html>

What relative color intensities are needed in order to produce the color typical of the following objects?

a. yellow school bus Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

b. cyan sky Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

c. magenta ink Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

d. orange.....orange Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

e. milk chocolate brown Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

f. lavender flower Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

g. light pink rose Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

h. purple grape Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

i. navy blue Bear’s jersey Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

j. forest green car Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

Come up with four of your own:

k. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

l. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

m. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

n. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Red \_\_\_\_\_\_\_\_\_ Green \_\_\_\_\_\_\_\_\_ Blue \_\_\_\_\_\_\_\_\_

Go to: <http://micro.magnet.fsu.edu/primer/java/primarycolors/additiveprimaries/index.html>

Why are Red, Green and Blue called the primary ‘additive’ colors?

What are the complementary colors of light?

What combinations of a complementary color with a primary color produce white light?

Go to: <http://micro.magnet.fsu.edu/primer/java/scienceopticsu/primarycolors/subtractiveprimaries/>

What are the primary subtractive colors?

Why are they called ‘subtractive’ colors?

What colors are reflected by the cyan spot?

What color is absorbed by the cyan spot?

Phun with Crayola Widget….