

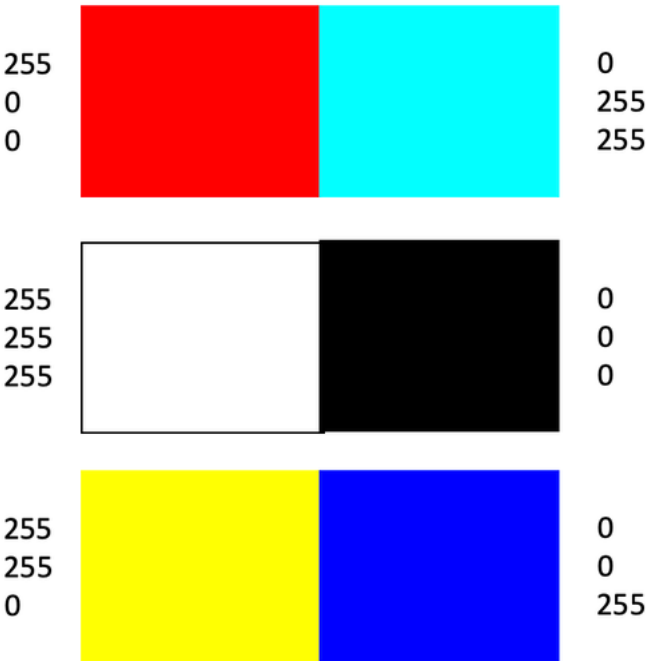
How do you find an RGB complementary color?

3 Answers

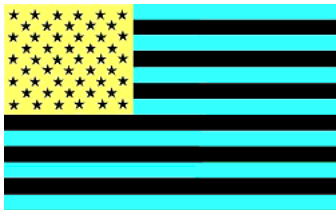
Best

 **Stephen Westland**
Professor at University of Leeds (2003–present) · Author has 2.9K answers and 4.6M answer views · 2y

As someone else has already said, you can find complementary colours in RGB by subtracting each of the RGB values from 255. Thus



However, you need to understand that there are different types of complementary colours. Sometimes the term is used to describe colours that are visually opposite. The colours you get when staring at an image for while and then looking away and staring at a white wall. So try staring at the image below for about 30 seconds and then look at a white wall. Maybe blink. And you should see the opposite colours of those in the image below.



Some people use complementary colours to describe the colours of two inks or paints which which when mixed together make a neutral colour. And others use complementary colours to describe the colours of two light which when (additively) mixed together make a neutral colour.

And the trick that we used above in RGB space to produce opposite colours could easily be done in another colour space - such as CIELAB - and that would result in different complementary relationships.

6.1K views · View upvotes

Related questions

- [Does the RGB color wheel follow color theory? I noticed the red doesn't exactly align with its...](#)
- [How do I get bright colors in RGB?](#)
- [How do you get a color name from RGB?](#)
- [Where can I find a list of all RGB colors?](#)
- [How does one calculate the RGB for complementary and other similar color...](#)
- [How can you obtain only one channel from an RGB image?](#)


Related questions

More answers below

- [Does the RGB color wheel follow color theory? I noticed the red doesn't exactly align with its supposed complementary color, green, but rather is opposite from cyan.](#)
- [How do I get bright colors in RGB?](#)

Where can I find a list of all RGB colors?

How does one calculate the RGB for complementary and other similar color patterns?




Paulo Cunha

Licenciatura SET LINCENSE in Optical Systems and Digital Signal Compression & TV
Broadcasting Engineer, Mackenzie Presbyterian University (Graduated 1992) · Author has **325**
answers and **322.6K** answer views · 2y

""

"Finding complementary color is very simple in RGB model. For any given color, for example, red (#FF0000) you need to find the color, which, after being added to red, creates white (0xFFFFFF). Naturally, all you need to do, is subtract red from white and get cyan (0xFFFFFF - 0xFF0000 = 0x00FFFF)."



Sky Tools

Manager at SkyTools (2018–present) · Mar 20

To find the RGB complementary color, you need to first understand the concept of complementary colors. Complementary colors are pairs of colors that are opposite each other on the color wheel. When these colors are combined, they create a neutral gray color.

To find the complementary color in RGB, you can use the following formula:

$R' = 255 - R$ $G' = 255 - G$ $B' = 255 - B$

Continue Reading

Related questions

Does the RGB color wheel follow color theory? I noticed the red doesn't exactly align with its supposed complementary color, green, but rather is opposite from cyan.

How do I get bright colors in RGB?

How do you get a color name from RGB?

Where can I find a list of all RGB colors?

How does one calculate the RGB for complementary and other similar color patterns?

How can you obtain only one channel from an RGB image?

How do I find the RGB color code from an image?

How do I find colors that go well with RGB [200, 73, 41]?

How do you find the true color of an object using RGB values?

How do you find the hex color code from an RGB color code?

Which color model is the most accurate for complementary colors, RGB or RYB?

What are the two colors that make up all other colors (complementary, RGB, CMYK)?

How do I separate the RGB colour space to only N colours?

Which color is not complementary to green (RGB)?

How do you make a gray color with RGB?

https://www.quora.com/How-do-you-find-an-RGB-complementary-color

2/2