

Converting Colors

XYZ(42.0347, 74.7517, 12.3524)

Have a look what the booklet for
XYZ(42.0347, 74.7517, 12.3524)
contains.

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Color

**XYZ(42.0941, 74.7822,
12.3594)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFF05
RGB	109, 255, 5
RGB Percent	43%, 100%, 2%
CMY	0.5725, 0.0000, 0.9802
CMYK	0.57, 0.00, 0.98, 0.00
HSL	95°, 100%, 51%
HSV	95°, 98%, 100%
XYZ	42.0941, 74.7822, 12.3594
YIQ	182.8460, -6.7660, -108.7020

Conversions

Conversions Part 2

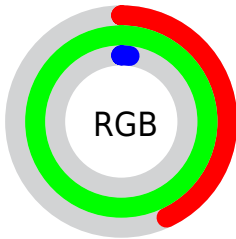
Format	Color
RYB	5, 255, 151
Decimal	7208709
CIELab	89.29, -72.72, 84.70
CIELCh	89, 111.632, 130.648
Yxy	74.7822, 0.3257, 0.5786
Android (android.graphics.Color)	4285398789 (0xFF6DFF05)
YUV	182.8460, -87.6781, -64.7629
Hunter-Lab	86.4767, -64.4461, 52.0599

Details

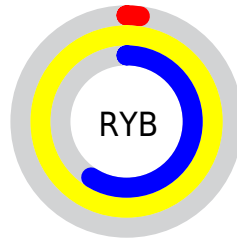
The XYZ color **42.0941, 74.7822, 12.3594** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **30.8745, 13.9125, 95.6659**, and the grayscale version is **45.3963, 47.7604, 52.0111**.

A 20% lighter version of the original color is **55.2359, 81.3268, 23.3761**, and **20.1474, 40.0259, 6.6639** is the 20% darker color. If you saturate the color by 10%, you get **41.7106, 74.5876, 12.1985**, and if you desaturate by 10%, it is **44.2982, 75.8937, 13.5789**.

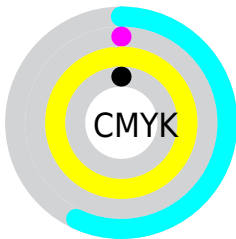
Distribution



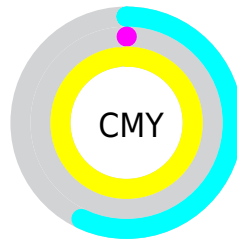
- Red (43%)
- Green (100%)
- Blue (2%)



- Red (2%)
- Yellow (100%)
- Blue (59%)



- Cyan (57%)
- Magenta (0%)
- Yellow (98%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0941, 74.7822, 12.3594 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 42.0941, 74.7822, 12.3594 by changing the saturation by 10% instead.


 42.0941, 74.7822,
12.3594


 42.0941, 74.7822,
12.3594


345.8579,
477.1686, 217.8320

 29.3664, 55.4345,
6.8634


 77.6063, 126.0040,
30.8221


 19.5039, 39.7497,
3.2997


 101.1215,
158.6469, 44.6260


 12.1411, 27.3434,
1.2496


 128.9633,
196.4903, 62.0362

 6.9127, 17.8313,
0.0200

 161.4970,
239.9186, 83.4714

 3.4534, 10.8290,
0.0000

 199.0879,
289.3161, 109.3500

 1.3978, 5.9519,
0.0000

 242.1015,

 0.2547, 2.8159,

345.0674, 140.0906

0.0000

290.9030,
407.5568, 176.1118

■ 0.0000, 1.0364,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0941, 74.7822,
12.3594

■ 42.0941, 74.7822,
12.3594

■ 41.7106, 74.5876,
12.1985

■ 44.2982, 75.8937,
13.5789

■ 47.0870, 77.2767,
16.1806

■ 50.5317, 78.9612,
20.4688

■ 54.6875, 80.9707,
26.6674

■ 59.6027, 83.3260,
34.9659

■ 65.3202, 86.0455,
45.5312

■ 71.8797, 89.1465,
58.5132

■ 79.3175, 92.6447,
74.0489

■ 87.6680, 96.5550,
92.2652

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.8209, 74.7822, 5.0433



42.0941, 74.7822, 12.3594



32.1880, 74.7822, 41.1024

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



42.0941, 74.7822, 12.3594



55.0757, 74.7822, 321.2800



136.0899, 74.7822, 56.7047

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



42.0941, 74.7822, 12.3594



30.8745, 13.9125, 95.6659

Split Complementary

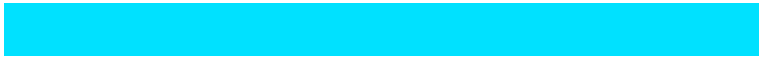
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



132.9376, 74.7822, 142.0344



42.0941, 74.7822, 12.3594



81.2164, 74.7822, 336.2409

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.0941, 74.7822, 12.3594



38.2478, 74.7822, 223.7032



111.0111, 74.7822, 256.8409



118.7625, 74.7822, 17.5378

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.0941, 74.7822, 12.3594



30.4737, 74.7822, 83.1347



111.0111, 74.7822, 256.8409



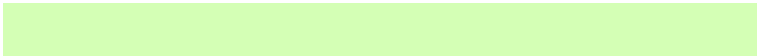
137.4820, 74.7822, 79.7391

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



42.0943, 74.7822, 12.3605



71.2012, 88.8265, 57.1355



52.3100, 43.3559, 5.7562



14.6263, 18.7227, 11.0013



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.0943, 74.7822, 12.3605



41.7106, 74.5876, 12.1985



36.0081, 71.6265, 12.8971



18.4873, 20.5371, 19.1340



21.9551, 39.0564, 6.3815



2.2586, 3.8651, 0.6270

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.8745, 13.9125, 95.6659



30.4342, 13.6043, 95.6296



56.1704, 27.3197, 80.2827



18.0197, 17.9019, 22.7556



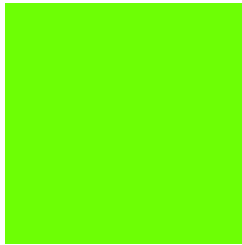
16.0765, 7.1982, 49.9767



1.6898, 0.7650, 4.8719

Previews

White Background



This preview shows how the XYZ color 42.0941, 74.7822, 12.3594 looks on a white background.

Color Contrast Check

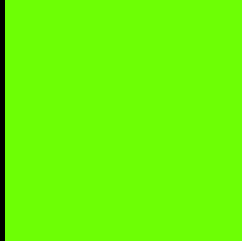
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 42.0941, 74.7822, 12.3594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0941, 74.7822, 12.3594

Background



This preview shows how black text looks on a background with the XYZ color 42.0941, 74.7822, 12.3594.



This preview shows how white text looks on a background with the XYZ color 42.0941, 74.7822,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

42.0941, 74.7822, 12.3594

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

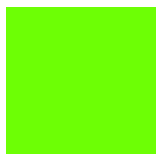
72.2289, 72.9449, 43.9911



Tritanopia

61.2831, 74.4638, 105.7507

Trichromacy



Original Color

42.0941, 74.7822, 12.3594



Protanomaly

53.2725, 71.5632, 11.0627



Deuteranomaly

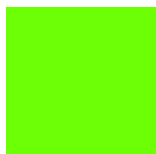
55.1526, 70.1497, 23.7301



Tritanomaly

49.2049, 72.6159, 46.5449

Monochromacy



Original Color

42.0941, 74.7822, 12.3594



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

39.7808, 53.9769, 25.4614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0941, 74.7822, 12.3594 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 255, 5)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 5)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 255, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 5) }
```

Border

The CSS property to change the border of an element to XYZ 42.0941, 74.7822, 12.3594 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 255, 5) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 255, 5) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 255, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 5);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0941, 74.7822, 12.3594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 5) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
255, 5) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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