

Converting Colors

XYZ(44.8274, 82.2765, 7.0244)

Have a look what the booklet for
XYZ(44.8274, 82.2765, 7.0244)
contains.

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Color

**XYZ(42.0667, 74.7712,
12.2151)**

Conversions

Conversions Part 1

Format	Color
Hex	6DFF00
RGB	109, 255, 0
RGB Percent	43%, 100%, 0%
CMY	0.5725, 0.0000, 0.9999
CMYK	0.57, 0.00, 1.00, 0.00
HSL	94°, 100%, 50%
HSV	94°, 100%, 100%
XYZ	42.0667, 74.7712, 12.2151
YIQ	182.2760, -5.1610, -110.2570

Conversions

Conversions Part 2

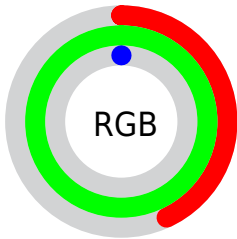
Format	Color
RYB	0, 255, 146
Decimal	7208704
CIELab	89.29, -72.78, 85.07
CIELCh	89, 111.952, 130.548
Yxy	74.7712, 0.3260, 0.5794
Android (android.graphics.Color)	4285398784 (0xFF6DFF00)
YUV	182.2760, -89.8621, -64.2631
Hunter-Lab	86.4703, -64.4852, 52.1537

Details

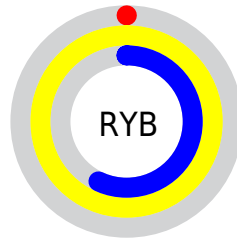
The XYZ color **42.0667, 74.7712, 12.2151** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **29.9112, 13.3353, 95.6052**, and the grayscale version is **45.0937, 47.4421, 51.6645**.

A 20% lighter version of the original color is **55.1913, 81.3090, 23.1412**, and **20.1474, 40.0259, 6.6639** is the 20% darker color. If you saturate the color by 10%, you get **42.0640, 74.7698, 12.2150**, and if you desaturate by 10%, it is **44.1961, 75.8480, 13.2612**.

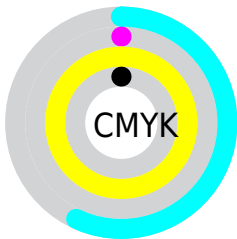
Distribution



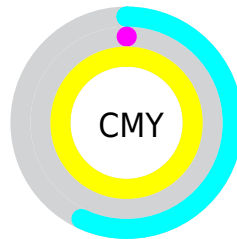
- Red (43%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (57%)



- Cyan (57%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (57%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0667, 74.7712, 12.2151 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 42.0667, 74.7712, 12.2151 by changing the saturation by 10% instead.


 42.0667, 74.7712,
12.2151

 42.0667, 74.7712,
12.2151


345.7463,
477.1308, 216.8524

 29.3449, 55.4255,
6.7660


 77.5651, 125.9884,
30.5565


 19.4874, 39.7425,
3.2400


 101.0724,
158.6287, 44.2859


 12.1291, 27.3378,
1.2184


 128.9055,
196.4693, 61.6125

 6.9045, 17.8271,
0.0000

 161.4298,
239.8946, 82.9549

 3.4482, 10.8259,
0.0000

 199.0107,
289.2890, 108.7315

 1.3950, 5.9499,
0.0000

 242.0135,

 0.2527, 2.8146,

345.0369, 139.3609

0.0000

290.8036,
407.5227, 175.2617

■ 0.0000, 1.0357,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0667, 74.7712,
12.2151

■ 42.0667, 74.7712,
12.2151

■ 42.0640, 74.7698,
12.2150

■ 44.1961, 75.8480,
13.2612

■ 46.8735, 77.1801,
15.5631

■ 50.1837, 78.8028,
19.5015

■ 54.1830, 80.7401,
25.3089

■ 58.9199, 83.0128,
33.1806

■ 64.4377, 85.6393,
43.2872

■ 70.7757, 88.6367,
55.7815

■ 77.9704, 92.0207,
70.8029

■ 86.0559, 95.8060,
88.4799

Harmonies

Analogous

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



61.8681, 74.7712, 4.9680



42.0667, 74.7712, 12.2151



32.1162, 74.7712, 40.8481

Triad

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



42.0667, 74.7712, 12.2151



54.9522, 74.7712, 322.0472



136.3277, 74.7712, 56.8353

Complementary

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



42.0667, 74.7712, 12.2151



29.9112, 13.3353, 95.6052

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.



133.0909, 74.7712, 142.5827



42.0667, 74.7712, 12.2151



81.1370, 74.7712, 337.4243

Square

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



42.0667, 74.7712, 12.2151



38.1261, 74.7712, 223.8393



111.0353, 74.7712, 257.8858



118.9923, 74.7712, 17.5043

Rectangle

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



42.0667, 74.7712, 12.2151



30.3819, 74.7712, 82.8621



111.0353, 74.7712, 257.8858



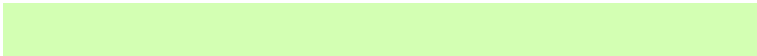
137.7006, 74.7712, 79.9812

Sweetspot

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



42.0669, 74.7713, 12.2162



70.7656, 88.6320, 55.7611



51.2919, 41.3634, 5.2816



14.5530, 18.6905, 10.7437



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.



42.0669, 74.7713, 12.2162



42.0640, 74.7698, 12.2150



35.8619, 71.5608, 12.4543



18.5076, 20.5476, 19.1350



22.1419, 39.1527, 6.3902



2.2778, 3.8750, 0.6279

Inverse Universe

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



29.9112, 13.3353, 95.6052



29.9079, 13.3330, 95.6049



56.6734, 27.4340, 83.1991



17.9990, 17.8912, 22.7546



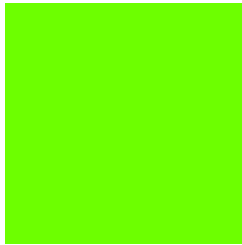
15.8019, 7.0567, 49.9638



1.6636, 0.7516, 4.8707

Previews

White Background



This preview shows how the XYZ color 42.0667, 74.7712, 12.2151 looks on a white background.

Color Contrast Check

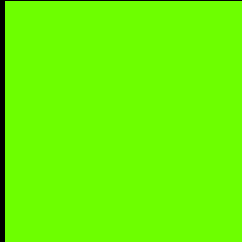
Large Text (above 18pt) WCAG AA × Fail

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 42.0667, 74.7712, 12.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

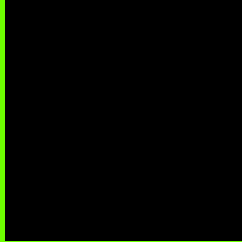
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0667, 74.7712, 12.2151

Background



This preview shows how black text looks on a background with the XYZ color 42.0667, 74.7712, 12.2151.



This preview shows how white text looks on a background with the XYZ color 42.0667, 74.7712, 12.2151.

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

42.0667, 74.7712, 12.2151

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

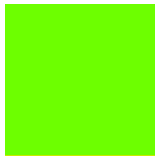
72.2289, 72.9449, 43.9911



Tritanopia

61.2831, 74.4638, 105.7507

Trichromacy



Original Color

42.0667, 74.7712, 12.2151



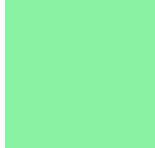
Protanomaly

53.2615, 71.5588, 11.0050



Deuteranomaly

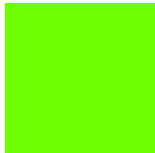
55.0522, 70.1095, 23.2013



Tritanomaly

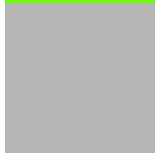
49.0256, 72.5442, 45.6009

Monochromacy



Original Color

42.0667, 74.7712, 12.2151



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.4704, 53.8304, 24.8330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0667, 74.7712, 12.2151 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.0667, 74.7712, 12.2151 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, 0) }
```


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

```
.border{ border-color:rgb(109, 255, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0667, 74.7712, 12.2151 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, 0) }
```

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

```
.background{ background-color: rgb(109,  
255, 0) }
```

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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