

Converting Colors

XYZ(41.7529, 74.6094, 12.2005)

Have a look what the booklet for
XYZ(41.7529, 74.6094, 12.2005)
contains.

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Color

**XYZ(41.7039, 74.5842,
12.1982)**

Conversions

Conversions Part 1

Format	Color
Hex	6AFF00
RGB	106, 255, 0
RGB Percent	42%, 100%, 0%
CMY	0.5843, 0.0000, 0.9998
CMYK	0.58, 0.00, 1.00, 0.00
HSL	95°, 100%, 50%
HSV	95°, 100%, 100%
XYZ	41.7039, 74.5842, 12.1982
YIQ	181.3790, -6.9490, -110.8930

Conversions

Conversions Part 2

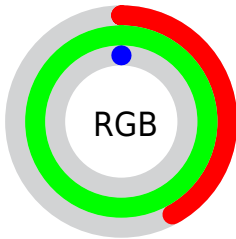
Format	Color
RYB	0, 255, 149
Decimal	7012096
CIELab	89.20, -73.50, 84.96
CIELCh	89, 112.341, 130.862
Yxy	74.5842, 0.3246, 0.5805
Android (android.graphics.Color)	4285202176 (0xFF6AFF00)
YUV	181.3790, -89.4198, -66.1074
Hunter-Lab	86.3621, -64.9369, 52.0791

Details

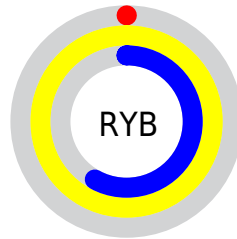
The XYZ color **41.7039, 74.5842, 12.1982** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **30.4523, 13.6143, 95.6305**, and the grayscale version is **44.6015, 46.9242, 51.1005**.

A 20% lighter version of the original color is **54.7490, 81.0810, 23.1205**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **41.7010, 74.5827, 12.1980**, and if you desaturate by 10%, it is **43.8128, 75.6504, 13.2434**.

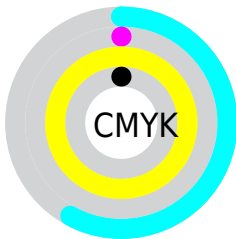
Distribution



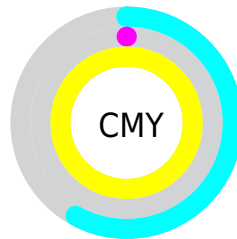
- Red (42%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (58%)



- Cyan (58%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7039, 74.5842, 12.1982 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 41.7039, 74.5842, 12.1982 by changing the saturation by 10% instead.


 41.7039, 74.5842,
12.1982


 41.7039, 74.5842,
12.1982


344.2666,
476.4872, 216.7373


 29.0596, 55.2723,
6.7546


 77.0193, 125.7236,
30.5254


 19.2704, 39.6198,
3.2330


 100.4211,
158.3199, 44.2460


 11.9710, 27.2422,
1.2148

 128.1394,
196.1132, 61.5628

 6.7960, 17.7552,
0.0000

 160.5396,
239.4877, 82.8942

 3.3800, 10.7744,
0.0000

 197.9871,
288.8280, 108.6589

 1.3578, 5.9153,
0.0000

 240.8472,

 0.2258, 2.7937,

344.5184, 139.2752

0.0000

289.4852,
406.9434, 175.1619

■ 0.0000, 1.0250,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.7039, 74.5842,
12.1982

■ 41.7039, 74.5842,
12.1982

■ 41.7010, 74.5827,
12.1980

■ 43.8128, 75.6504,
13.2434

■ 46.4801, 76.9773,
15.5450

■ 49.7916, 78.6007,
19.4836

■ 53.8044, 80.5449,
25.2918

■ 58.5679, 82.8313,
33.1650

■ 64.1259, 85.4786,
43.2737

■ 70.5188, 88.5043,
55.7708

■ 77.7836, 91.9243,
70.7957

■ 85.9548, 95.7539,
88.4770

Harmonies

Analogous

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



61.4171, 74.5842, 4.8812



41.7039, 74.5842, 12.1982



31.8544, 74.5842, 41.1045

Triad

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



41.7039, 74.5842, 12.1982



54.9814, 74.5842, 323.4578



136.2469, 74.5842, 55.9626

Complementary

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



41.7039, 74.5842, 12.1982



30.4523, 13.6143, 95.6305

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.



133.2275, 74.5842, 141.4051



41.7039, 74.5842, 12.1982



81.2902, 74.5842, 337.8268

Square

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



41.7039, 74.5842, 12.1982



38.0419, 74.5842, 225.3438



111.2513, 74.5842, 257.1366



118.6709, 74.5842, 17.0869

Rectangle

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



41.7039, 74.5842, 12.1982



30.1798, 74.5842, 83.5019



111.2513, 74.5842, 257.1366



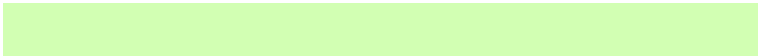
137.7022, 74.5842, 78.9595

Sweetspot

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



41.7041, 74.5843, 12.1993



70.5080, 88.4991, 55.7491



51.9508, 42.6813, 5.5014



14.4925, 18.6594, 10.7409



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.



41.7041, 74.5843, 12.1993



41.7010, 74.5827, 12.1980



35.8985, 71.5755, 12.6469



18.4868, 20.5368, 19.1340



21.9501, 39.0538, 6.3812



2.2581, 3.8648, 0.6270

Inverse Universe

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



30.4523, 13.6143, 95.6305



30.4488, 13.6118, 95.6303



56.0563, 27.1872, 79.9494



18.0203, 17.9022, 22.7556



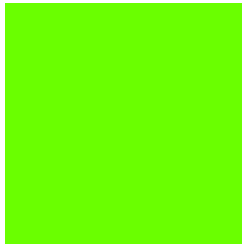
16.0841, 7.2021, 49.9770



1.6905, 0.7654, 4.8719

Previews

White Background



This preview shows how the XYZ color 41.7039, 74.5842, 12.1982 looks on a white background.

Color Contrast Check

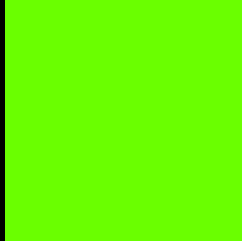
Large Text (above 18pt) WCAG AA × Fail

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 41.7039, 74.5842, 12.1982 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 41.7039, 74.5842, 12.1982

Background



This preview shows how black text looks on a background with the XYZ color 41.7039, 74.5842, 12.1982.



This preview shows how white text looks on a background with the XYZ color 41.7039, 74.5842,

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

41.7039, 74.5842, 12.1982

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

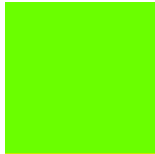
72.1410, 72.9098, 43.5285



Tritanopia

60.9119, 74.2724, 105.7334

Trichromacy



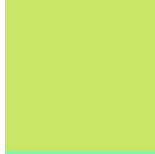
Original Color

41.7039, 74.5842, 12.1982



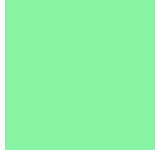
Protanomaly

52.9970, 71.4224, 10.9927



Deuteranomaly

54.7825, 69.9704, 23.1887



Tritanomaly

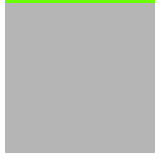
48.7038, 72.3783, 45.5859

Monochromacy



Original Color

41.7039, 74.5842, 12.1982



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.9768, 53.2196, 24.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7039, 74.5842, 12.1982 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(106, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.7039, 74.5842, 12.1982 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(106, 255, 0) }
```


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

```
.border{ border-color:rgb(106, 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(106, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7039, 74.5842, 12.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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