

Converting Colors

XYZ(42.8377, 74.5031, 12.1632)

Have a look what the booklet for
XYZ(42.8377, 74.5031, 12.1632)
contains.

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Color

**XYZ(42.9185, 74.7374,
12.1924)**

Conversions

Conversions Part 1

Format	Color
Hex	76FE01
RGB	118, 254, 1
RGB Percent	46%, 100%, 0%
CMY	0.5373, 0.0039, 0.9959
CMYK	0.54, 0.00, 1.00, 0.00
HSL	92°, 99%, 50%
HSV	92°, 100%, 100%
XYZ	42.9185, 74.7374, 12.1924
YIQ	184.4940, 0.1570, -107.5150

Conversions

Conversions Part 2

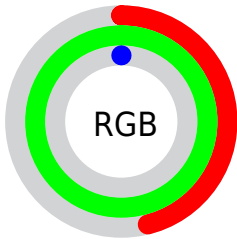
Format	Color
RYB	1, 254, 137
Decimal	7798273
CIELab	89.27, -70.16, 85.10
CIELCh	89, 110.290, 129.501
Yxy	74.7374, 0.3305, 0.5756
Android (android.graphics.Color)	4285988353 (0xFF76FE01)
YUV	184.4940, -90.4625, -58.3152
Hunter-Lab	86.4508, -62.6726, 52.1537

Details

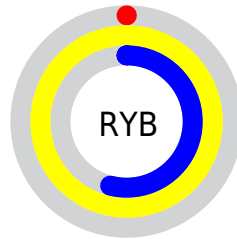
The XYZ color **42.9185, 74.7374, 12.1924** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **28.2251, 12.5006, 94.6954**, and the grayscale version is **46.3234, 48.7358, 53.0733**.

A 20% lighter version of the original color is **57.0272, 82.2554, 23.2272**, and **20.6150, 39.9310, 6.6209** is the 20% darker color. If you saturate the color by 10%, you get **42.8390, 74.6994, 12.1606**, and if you desaturate by 10%, it is **45.0968, 75.8412, 13.2651**.

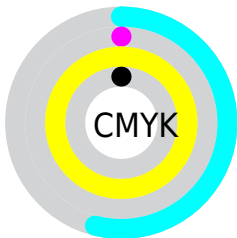
Distribution



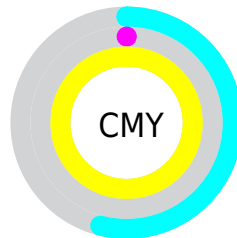
- Red (46%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (54%)



- Cyan (54%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9185, 74.7374, 12.1924 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 42.9185, 74.7374, 12.1924 by changing the saturation by 10% instead.


 42.9185, 74.7374,
12.1924

 42.9185, 74.7374,
12.1924


349.2037,
477.0145, 216.6978

 30.0154, 55.3978,
6.7507


 78.8443, 125.9406,
30.5147


 19.9984, 39.7203,
3.2306


 102.5978,
158.5729, 44.2323


 12.5022, 27.3205,
1.2136


 130.6988,
196.4050, 61.5457

 7.1613, 17.8141,
0.0000

 163.5126,
239.8211, 82.8734

 3.6104, 10.8166,
0.0000

 201.4047,
289.2057, 108.6339

 1.4842, 5.9436,
0.0000

 244.7403,

 0.3150, 2.8108,

344.9432, 139.2458

0.0000

293.8849,
407.4180, 175.1276

■ 0.0000, 1.0338,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.9185, 74.7374,
12.1924

■ 42.9185, 74.7374,
12.1924

■ 42.8390, 74.6994,
12.1606

■ 45.0968, 75.8412,
13.2651

■ 47.7917, 77.1814,
15.6084

■ 51.0832, 78.7937,
19.5819

■ 55.0243, 80.7004,
25.4140

■ 59.6604, 82.9207,
33.2968

■ 65.0324, 85.4721,
43.3984

■ 71.1772, 88.3702,
55.8694

■ 78.1291, 91.6297,
70.8473

■ 85.9199, 95.2642,
88.4591

Harmonies

Analogous

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



62.8236, 74.7374, 5.2346



42.9185, 74.7374, 12.1924



32.7250, 74.7374, 39.6978

Triad

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



42.9185, 74.7374, 12.1924



54.3968, 74.7374, 314.4258



135.3495, 74.7374, 59.2625

Complementary

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



42.9185, 74.7374, 12.1924



28.2251, 12.5006, 94.6954

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.



131.4390, 74.7374, 145.1635



42.9185, 74.7374, 12.1924



79.9338, 74.7374, 332.8941

Square

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



42.9185, 74.7374, 12.1924



38.0949, 74.7374, 216.9132



109.3414, 74.7374, 257.9005



118.9685, 74.7374, 18.7879

Rectangle

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



42.9185, 74.7374, 12.1924



30.8085, 74.7374, 80.0923



109.3414, 74.7374, 257.9005



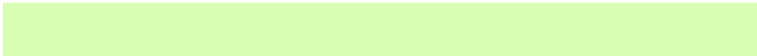
136.4415, 74.7374, 82.6740

Sweetspot

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



42.9202, 74.7406, 12.1940



71.5400, 89.0311, 55.7973



49.6782, 38.6693, 4.8754



14.7351, 18.7844, 10.7522



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.



42.9202, 74.7406, 12.1940



43.2178, 75.3647, 12.2690



35.5083, 70.9143, 12.0883



18.5698, 20.5796, 19.1379



22.7503, 39.4663, 6.4187



2.3396, 3.9068, 0.6308

Inverse Universe

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



28.2251, 12.5006, 94.6954



28.3827, 12.5467, 95.5336



57.4552, 27.7219, 89.1680



17.9359, 17.8587, 22.7517



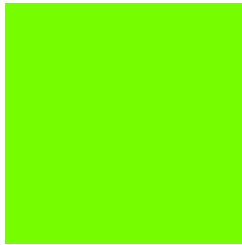
15.0048, 6.6458, 49.9265



1.5871, 0.7121, 4.8671

Previews

White Background



This preview shows how the XYZ color 42.9185, 74.7374, 12.1924 looks on a white background.

Color Contrast Check

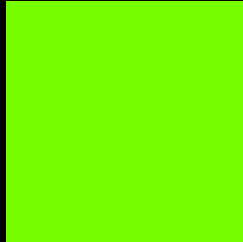
Large Text (above 18pt) WCAG AA × Fail

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 42.9185, 74.7374, 12.1924 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 42.9185, 74.7374, 12.1924

Background



This preview shows how black text looks on a background with the XYZ color 42.9185, 74.7374, 12.1924.



This preview shows how white text looks on a background with the XYZ color 42.9185, 74.7374,

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

42.9185, 74.7374, 12.1924

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

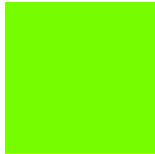
72.4859, 73.4589, 44.0768



Tritanopia

61.5630, 74.1795, 105.6811

Trichromacy



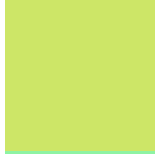
Original Color

42.9185, 74.7374, 12.1924



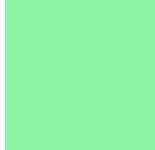
Protanomaly

54.0514, 71.5421, 10.9602



Deuteranomaly

55.9218, 70.5520, 23.5025



Tritanomaly

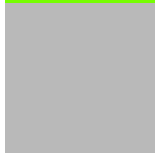
49.8168, 72.4963, 46.0179

Monochromacy



Original Color

42.9185, 74.7374, 12.1924



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.0145, 54.9783, 25.5897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9185, 74.7374, 12.1924 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(118, 254, 1)` looks like.

```
.text, #text, p{  
    color:rgb(118, 254, 1)  
}
```

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(118, 254, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 254, 1) }
```

Border

The CSS property to change the border of an element to XYZ 42.9185, 74.7374, 12.1924 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(118, 254, 1) }
```


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

```
.border{ border-color:rgb(118, 254, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 254, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 254, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 254, 1);  
box-shadow:4px 4px 4px 4px rgb(118, 254,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9185, 74.7374, 12.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 254, 1) }
```

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

```
.background{ background-color: rgb(118,  
254, 1) }
```

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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