

Converting Colors

XYZ(41.1268, 74.2867, 12.1712)

Have a look what the booklet for
XYZ(41.1268, 74.2867, 12.1712)
contains.

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Color

**XYZ(41.1268, 74.2867,
12.1712)**

Conversions

Conversions Part 1

Format	Color
Hex	65FF00
RGB	101, 255, 0
RGB Percent	40%, 100%, 0%
CMY	0.6039, 0.0000, 0.9998
CMYK	0.60, 0.00, 1.00, 0.00
HSL	96°, 100%, 50%
HSV	96°, 100%, 100%
XYZ	41.1268, 74.2867, 12.1712
YIQ	179.8840, -9.9290, -111.9530

Conversions

Conversions Part 2

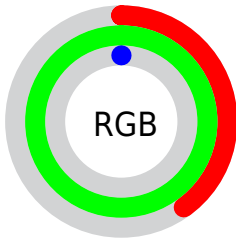
Format	Color
RYB	0, 255, 154
Decimal	6684416
CIELab	89.06, -74.66, 84.79
CIELCh	89, 112.973, 131.363
Yxy	74.2867, 0.3223, 0.5823
Android (android.graphics.Color)	4284874496 (0xFF65FF00)
YUV	179.8840, -88.6828, -69.1813
Hunter-Lab	86.1897, -65.6579, 51.9602

Details

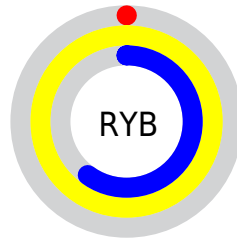
The XYZ color **41.1268, 74.2867, 12.1712** is a dark color, and the websafe version is hex **66FF00**, and the color name is **green slime**. The color can be described as dark saturated chartreuse. A complement of this color would be **31.3848, 14.0950, 95.6742**, and the grayscale version is **43.7877, 46.0681, 50.1681**.

A 20% lighter version of the original color is **53.8842, 80.6351, 23.0801**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **41.1240, 74.2852, 12.1710**, and if you desaturate by 10%, it is **43.1973, 75.3331, 13.2146**.

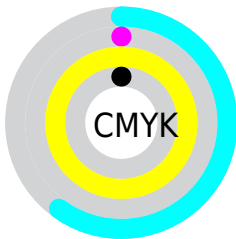
Distribution



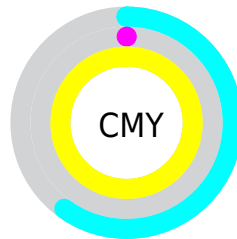
- Red (40%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (60%)



- Cyan (60%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.1268, 74.2867, 12.1712 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 41.1268, 74.2867, 12.1712 by changing the saturation by 10% instead.


 41.1268, 74.2867,
12.1712


 41.1268, 74.2867,
12.1712


341.9038,
475.4623, 216.5534

 28.6063, 55.0287,
6.7364


 76.1498, 125.3021,
30.4756

 18.9260, 39.4247,
3.2219


 99.3831, 157.8284,
44.1823


 11.7205, 27.0903,
1.2090


 126.9179,
195.5462, 61.4833

 6.6245, 17.6410,
0.0000

 159.1197,
238.8400, 82.7973

 3.2726, 10.6926,
0.0000

 196.3539,
288.0940, 108.5428

 1.2995, 5.8605,
0.0000

 238.9857,

 0.1829, 2.7605,

343.6929, 139.1383

0.0000

287.3806,
406.0208, 175.0023

■ 0.0000, 1.0080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.1268, 74.2867,
12.1712

■ 41.1268, 74.2867,
12.1712

■ 41.1240, 74.2852,
12.1710

■ 43.1973, 75.3331,
13.2146

■ 45.8436, 76.6491,
15.5152

■ 49.1531, 78.2715,
19.4537

■ 53.1847, 80.2255,
25.2629

■ 57.9889, 82.5328,
33.1380

■ 63.6113, 85.2133,
43.2497

■ 70.0930, 88.2847,
55.7510

■ 77.4725, 91.7640,
70.7813

■ 85.7855, 95.6666,
88.4693

Harmonies

Analogous

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



60.6992, 74.2867, 4.7439



41.1268, 74.2867, 12.1712



31.4379, 74.2867, 41.5192

Triad

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



41.1268, 74.2867, 12.1712



55.0299, 74.2867, 325.7427



136.1218, 74.2867, 54.5818

Complementary

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



41.1268, 74.2867, 12.1712



31.3848, 14.0950, 95.6742

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.



133.4513, 74.2867, 139.5326



41.1268, 74.2867, 12.1712



81.5389, 74.2867, 338.4858

Square

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



41.1268, 74.2867, 12.1712



37.9079, 74.2867, 227.7808



111.6021, 74.2867, 255.9459



118.1599, 74.2867, 16.4309

Rectangle

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



41.1268, 74.2867, 12.1712



29.8580, 74.2867, 84.5383



111.6021, 74.2867, 255.9459



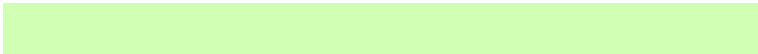
137.7092, 74.2867, 77.3396

Sweetspot

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



41.1270, 74.2867, 12.1723



70.0820, 88.2795, 55.7291



52.6341, 44.0479, 5.7291



14.3926, 18.6079, 10.7362



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.



41.1270, 74.2867, 12.1723



41.1240, 74.2852, 12.1710



35.9418, 71.5928, 12.8748



18.4521, 20.5190, 19.1324



21.6445, 38.8962, 6.3669



2.2263, 3.8484, 0.6255

Inverse Universe

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



31.3848, 14.0950, 95.6742



31.3813, 14.0925, 95.6739



55.4538, 26.9462, 76.7767



18.0558, 17.9205, 22.7573



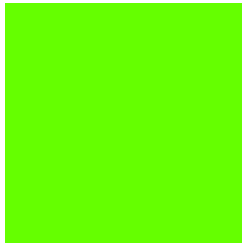
16.5702, 7.4527, 49.9998



1.7364, 0.7891, 4.8741

Previews

White Background



This preview shows how the XYZ color 41.1268, 74.2867, 12.1712 looks on a white background.

Color Contrast Check

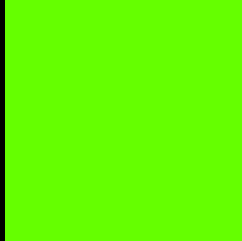
Large Text (above 18pt) WCAG AA × Fail

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 41.1268, 74.2867, 12.1712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

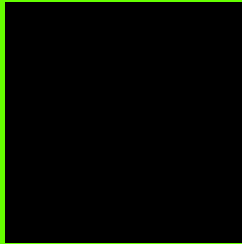
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.1268, 74.2867, 12.1712

Background



This preview shows how black text looks on a background with the XYZ color 41.1268, 74.2867, 12.1712.



This preview shows how white text looks on a background with the XYZ color 41.1268, 74.2867, 12.1712.

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

41.1268, 74.2867, 12.1712

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

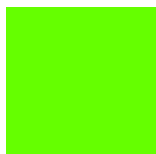
71.9674, 72.8404, 42.6143



Tritanopia

59.8995, 73.3219, 105.6032

Trichromacy



Original Color

41.1268, 74.2867, 12.1712



Protanomaly

52.1878, 70.5814, 10.8730



Deuteranomaly

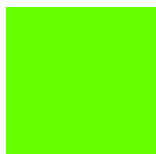
54.1990, 69.6753, 22.9040



Tritanomaly

47.7781, 71.4556, 45.4566

Monochromacy



Original Color

41.1268, 74.2867, 12.1712



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.1698, 52.4428, 24.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.1268, 74.2867, 12.1712 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(101, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.1268, 74.2867, 12.1712 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(101, 255, 0) }
```


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

```
.border{ border-color:rgb(101, 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(101, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.1268, 74.2867, 12.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 0) }
```

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

```
.background{ background-color: rgb(101,  
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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