

Converting Colors

XYZ(43.5868, 74.3552, 12.0547)

Have a look what the booklet for
XYZ(43.5868, 74.3552, 12.0547)
contains.

XYZ(43.4146, 74.0564, 12.0061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(43.4146, 74.0564,
12.0061)**

Conversions

Conversions Part 1

Format	Color
Hex	7EFC00
RGB	126, 252, 0
RGB Percent	49%, 99%, 0%
CMY	0.5059, 0.0117, 0.9999
CMYK	0.50, 0.00, 1.00, 0.01
HSL	90°, 100%, 49%
HSV	90°, 100%, 99%
XYZ	43.4146, 74.0564, 12.0061
YIQ	185.5980, 5.7960, -105.0840

Conversions

Conversions Part 2

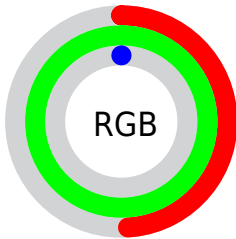
Format	Color
RYB	0, 252, 126
Decimal	8322048
CIELab	88.95, -67.30, 85.04
CIELCh	89, 108.450, 128.358
Yxy	74.0564, 0.3353, 0.5720
Android (android.graphics.Color)	4286512128 (0xFF7EFC00)
YUV	185.5980, -91.4998, -52.2674
Hunter-Lab	86.0560, -60.5462, 51.9674

Details

The XYZ color **43.4146, 74.0564, 12.0061** 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 **26.1823, 11.4683, 92.9332**, and the grayscale version is **46.9447, 49.3895, 53.7851**.

A 20% lighter version of the original color is **58.7220, 83.1291, 23.3065**, and **20.8673, 39.3958, 6.5043** is the 20% darker color. If you saturate the color by 10%, you get **43.4133, 74.0581, 12.0065**, and if you desaturate by 10%, it is **45.5711, 75.1499, 13.0367**.

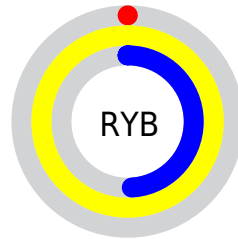
Distribution



Red (49%)

Green (99%)

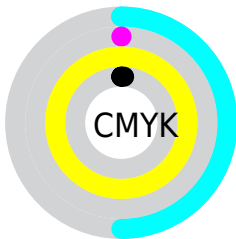
Blue (0%)



Red (0%)

Yellow (99%)

Blue (49%)

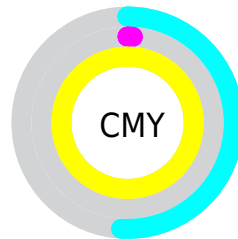


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (51%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.4146, 74.0564, 12.0061 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 43.4146, 74.0564, 12.0061 by changing the saturation by 10% instead.


 43.4146, 74.0564,
12.0061

 43.4146, 74.0564,
12.0061


351.2067,
474.6680, 215.4250


 30.4065, 54.8402,
6.6252


 79.5880, 124.9758,
30.1708


 20.2969, 39.2738,
3.1540


 103.4839,
157.4477, 43.7917


 12.7206, 26.9728,
1.1738


 131.7398,
195.1070, 60.9963

 7.3121, 17.5528,
0.0000

 164.7211,
238.3381, 82.2033

 3.7061, 10.6294,
0.0000

 202.7931,
287.5254, 107.8311

 1.5372, 5.8182,
0.0000

 246.3211,

 0.3510, 2.7349,

343.0532, 138.2983

0.0000

295.6705,
405.3059, 174.0234

■ 0.0000, 0.9949,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.4146, 74.0564,
12.0061

■ 43.4146, 74.0564,
12.0061

■ 43.4133, 74.0581,
12.0065

■ 45.5711, 75.1499,
13.0367

■ 48.1977, 76.4569,
15.2848

■ 51.3740, 78.0127,
19.1221

■ 55.1502, 79.8382,
24.7743

■ 59.5696, 81.9516,
32.4307

■ 64.6702, 84.3689,
42.2569

■ 70.4869, 87.1047,
54.4012

■ 77.0516, 90.1726,
68.9987

■ 84.3942, 93.5853,
86.1744

Harmonies

Analogous

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



63.2835, 74.0564, 5.4371



43.4146, 74.0564, 12.0061



33.0397, 74.0564, 38.1116

Triad

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



43.4146, 74.0564, 12.0061



53.3197, 74.0564, 304.4160



133.2947, 74.0564, 61.3437

Complementary

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



43.4146, 74.0564, 12.0061



26.1823, 11.4683, 92.9332

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.



128.7086, 74.0564, 146.7977



43.4146, 74.0564, 12.0061



78.0061, 74.0564, 325.9527

Square

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



43.4146, 74.0564, 12.0061



37.6862, 74.0564, 208.2203



106.7099, 74.0564, 256.1274



118.0161, 74.0564, 19.9773

Rectangle

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



43.4146, 74.0564, 12.0061



30.9428, 74.0564, 76.5503



106.7099, 74.0564, 256.1274



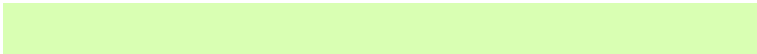
134.0873, 74.0564, 84.8621

Sweetspot

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



43.4163, 74.0596, 12.0077



72.3853, 89.4669, 55.8369



47.6104, 35.6236, 4.3678



14.9344, 18.8872, 10.7615



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.



43.4163, 74.0596, 12.0077



44.5838, 76.0688, 12.3329



34.8126, 69.6242, 11.6051



17.8442, 19.7354, 18.3312



22.7835, 38.6636, 6.2620



2.2324, 3.6439, 0.5857

Inverse Universe

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



26.1823, 11.4683, 92.9332



26.8803, 11.7722, 95.4633



57.7185, 27.7258, 94.4090



17.1101, 17.0694, 21.7782



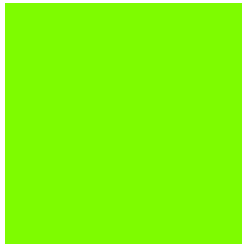
13.8065, 6.0602, 48.4156



1.4010, 0.6243, 4.4898

Previews

White Background



This preview shows how the XYZ color 43.4146, 74.0564, 12.0061 looks on a white background.

Color Contrast Check

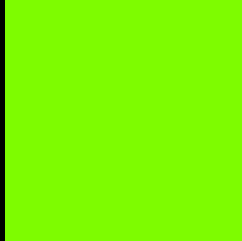
Large Text (above 18pt) WCAG AA × Fail

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 43.4146, 74.0564, 12.0061 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

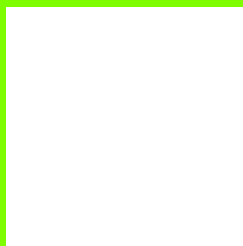
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.4146, 74.0564, 12.0061

Background



This preview shows how black text looks on a background with the XYZ color 43.4146, 74.0564, 12.0061.



This preview shows how white text looks on a background with the XYZ color 43.4146, 74.0564,

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

43.4146, 74.0564, 12.0061

Protanopia

65.5456, 72.5665, 10.5521

Deuteranopia

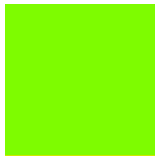
71.9674, 72.8404, 42.6143



Tritanopia

61.6496, 73.4111, 103.8490

Trichromacy



Original Color

43.4146, 74.0564, 12.0061



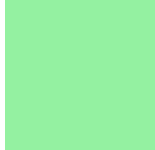
Protanomaly

54.3158, 71.2570, 10.8912



Deuteranomaly

56.3807, 70.3881, 22.9266



Tritanomaly

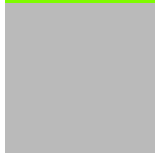
50.1011, 71.7797, 44.9325

Monochromacy



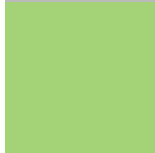
Original Color

43.4146, 74.0564, 12.0061



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

41.6264, 55.2937, 25.6183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.4146, 74.0564, 12.0061 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(126, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 252, 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(126, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 43.4146, 74.0564, 12.0061 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(126, 252, 0) }
```


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

```
.border{ border-color:rgb(126, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(126, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 43.4146, 74.0564, 12.0061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 252, 0) }
```

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

```
.background{ background-color: rgb(126,  
252, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor