

Converting Colors

XYZ(50.9872, 74.6677, 16.8862)

Have a look what the booklet for
XYZ(50.9872, 74.6677, 16.8862)
contains.

XYZ(50.8694, 74.5824, 16.8690)	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(50.8694, 74.5824,
16.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	ADF542
RGB	173, 245, 66
RGB Percent	68%, 96%, 26%
CMY	0.3216, 0.0392, 0.7411
CMYK	0.29, 0.00, 0.73, 0.04
HSL	84°, 90%, 61%
HSV	84°, 73%, 96%
XYZ	50.8694, 74.5824, 16.8690
YIQ	203.0660, 14.5470, -70.9330

Conversions

Conversions Part 2

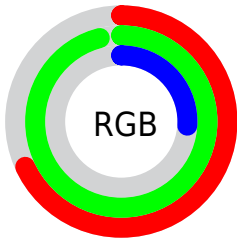
Format	Color
RYB	66, 245, 138
Decimal	11400514
CIELab	89.20, -47.48, 73.96
CIElCh	89, 87.888, 122.701
Yxy	74.5824, 0.3574, 0.5240
Android (android.graphics.Color)	4289590594 (0xFFADF542)
YUV	203.0660, -67.5735, -26.3679
Hunter-Lab	86.3611, -45.9898, 48.8716

Details

The XYZ color **50.8694, 74.5824, 16.8690** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **28.9141, 15.8945, 87.9345**, and the grayscale version is **57.2132, 60.1927, 65.5499**.

A 20% lighter version of the original color is **73.0659, 90.3243, 32.9854**, and **25.0535, 39.6113, 6.3253** is the 20% darker color. If you saturate the color by 10%, you get **48.1969, 73.2734, 13.7474**, and if you desaturate by 10%, it is **54.0153, 76.1045, 21.6292**.

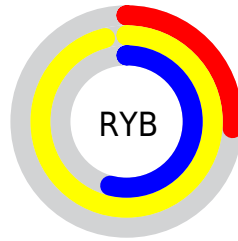
Distribution



Red (68%)

Green (96%)

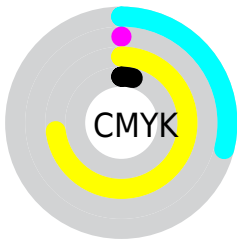
Blue (26%)



Red (26%)

Yellow (96%)

Blue (54%)

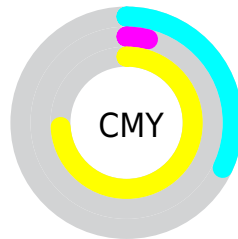


Cyan (29%)

Magenta (0%)

Yellow (73%)

Black (4%)



Cyan (32%)


Magenta (4%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8694, 74.5824, 16.8690 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 50.8694, 74.5824, 16.8690 by changing the saturation by 10% instead.


 50.8694, 74.5824,
16.8690


 50.8694, 74.5824,
16.8690


380.4522,
476.4810, 246.4347

 36.3253, 55.2708,
9.9802


 90.6458, 125.7211,
38.8880


 24.8568, 39.6186,
5.2804


 116.6089,
158.3169, 54.8552


 16.0986, 27.2413,
2.3511

 147.1090,
196.1097, 74.6856

 9.6852, 17.7545,
0.7596

 182.5114,
239.4838, 98.7978

 5.2514, 10.7739,
0.0000

 223.1816,
288.8236, 127.6102

 2.4318, 5.9150,
0.0000

269.4849,

 0.8610, 2.7935,

344.5135, 161.5415

0.0000

321.7866,
406.9378, 201.0101

0.0000, 1.0249,
0.0000

0.0000, 0.0000,
0.0000

50.8694, 74.5824,
16.8690

50.8694, 74.5824,
16.8690

48.1969, 73.2734,
13.7474

54.0153, 76.1045,
21.6292


45.9466, 72.1489,
12.0350


57.6678, 77.8456,
28.2083


44.5878, 71.4601,
11.4432


61.8624, 79.8228,
36.7682


66.6292, 82.0487,
47.4515

 71.9958, 84.5346,
60.3877

 77.9880, 87.2910,
75.6959

 84.6295, 90.3279,
93.4870

 90.7932, 93.1948,
107.8108

 91.9440, 93.7880,
107.8647

Harmonies

Analogous

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



68.9633, 74.5824, 11.1553



50.8694, 74.5824, 16.8690



40.2059, 74.5824, 38.2069

Triad

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



50.8694, 74.5824, 16.8690



53.6144, 74.5824, 237.7656



120.5487, 74.5824, 75.7699

Complementary

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



50.8694, 74.5824, 16.8690



28.9141, 15.8945, 87.9345

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.



114.1888, 74.5824, 148.2725



50.8694, 74.5824, 16.8690



72.8488, 74.5824, 265.4123

Square

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



50.8694, 74.5824, 16.8690



41.5517, 74.5824, 163.1394



95.5712, 74.5824, 226.5596



111.5400, 74.5824, 32.6689

Rectangle

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



50.8694, 74.5824, 16.8690



37.3592, 74.5824, 67.1145



95.5712, 74.5824, 226.5596



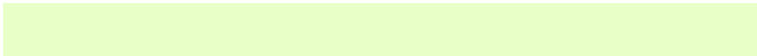
120.1386, 74.5824, 97.1470

Sweetspot

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



50.8711, 74.5857, 16.8706



79.4766, 92.8672, 67.7083



47.6737, 37.8710, 9.9525



16.6511, 19.7111, 13.5992



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.



50.8711, 74.5857, 16.8706



51.4632, 79.5873, 13.9184



37.2854, 67.5820, 16.2348



17.2322, 18.9618, 17.5493



24.1798, 38.5779, 6.1719



2.2411, 3.4504, 0.5479

Inverse Universe

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



28.9141, 15.8945, 87.9345



26.3964, 12.2347, 95.5780



50.1427, 26.8382, 88.9279



16.2122, 16.2520, 20.8250



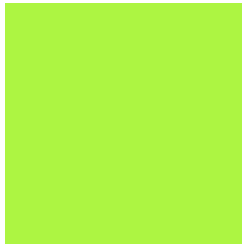
11.7713, 5.0427, 46.8909



1.1475, 0.5014, 4.1265

Previews

White Background



This preview shows how the XYZ color 50.8694, 74.5824, 16.8690 looks on a white background.

Color Contrast Check

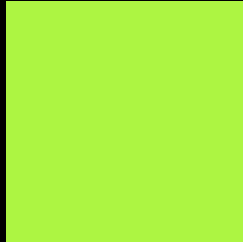
Large Text (above 18pt) WCAG AA × Fail

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 50.8694, 74.5824, 16.8690 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 50.8694, 74.5824, 16.8690

Background



This preview shows how black text looks on a background with the XYZ color 50.8694, 74.5824, 16.8690.



This preview shows how white text looks on a background with the XYZ color 50.8694, 74.5824,

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

50.8694, 74.5824, 16.8690

Protanopia

66.8956, 73.9615, 15.0252

Deuteranopia

72.8444, 73.6023, 45.9647



Tritanopia

67.3135, 74.3561, 98.8001

Trichromacy



Original Color

50.8694, 74.5824, 16.8690



Protanomaly

59.8503, 73.5906, 15.6074



Deuteranomaly

62.4829, 72.5307, 31.4755



Tritanomaly

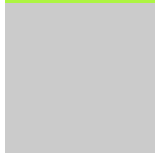
58.5423, 73.3177, 54.7823

Monochromacy



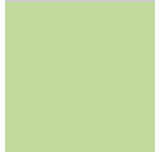
Original Color

50.8694, 74.5824, 16.8690



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.5594, 63.6492, 39.6523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8694, 74.5824, 16.8690 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(173, 245, 66)` looks like.

```
.text, #text, p{  
    color:rgb(173, 245, 66)  
}
```

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(173, 245, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 245, 66) }
```

Border

The CSS property to change the border of an element to XYZ 50.8694, 74.5824, 16.8690 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(173, 245, 66) }
```


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

```
.border{ border-color:rgb(173, 245, 66) }
```

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

Here you see how a box with a 4 pixel rgb(173, 245, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 245, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 245, 66);  
box-shadow:4px 4px 4px 4px rgb(173, 245,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8694, 74.5824, 16.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 245, 66) }
```

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

```
.background{ background-color: rgb(173,  
245, 66) }
```

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