

# Converting Colors

XYZ(53.9485, 74.4822, 12.7750)

Have a look what the booklet for  
XYZ(53.9485, 74.4822, 12.7750)  
contains.

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# Color

**XYZ(53.9378, 74.4737,  
12.7603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2F11E
RGB	194, 241, 30
RGB Percent	76%, 95%, 12%
CMY	0.2392, 0.0549, 0.8823
CMYK	0.20, 0.00, 0.88, 0.05
HSL	73°, 88%, 53%
HSV	73°, 88%, 95%
XYZ	53.9378, 74.4737, 12.7603
YIQ	202.8930, 39.7190, -75.5850

# Conversions

## Conversions Part 2

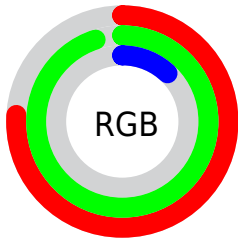
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 241, 77
Decimal	12775710
CIELab	89.15, -39.26, 83.41
CIELCh	89, 92.190, 115.204
Yxy	74.4737, 0.3821, 0.5275
Android (android.graphics.Color)	4290965790 (0xFFC2F11E)
YUV	202.8930, -85.2362, -7.7992
Hunter-Lab	86.2981, -39.4562, 51.6419

# Details

The XYZ color **53.9378, 74.4737, 12.7603** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **19.4049, 8.8592, 83.9108**, and the grayscale version is **57.2012, 60.1801, 65.5361**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **27.3406, 39.8488, 6.2506** is the 20% darker color. If you saturate the color by 10%, you get **52.3840, 73.6985, 11.6341**, and if you desaturate by 10%, it is **55.7767, 75.3740, 15.1131**.

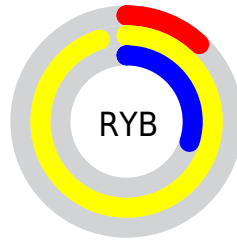
# Distribution



Red (76%)

Green (95%)

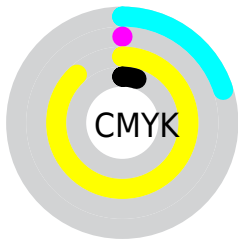
Blue (12%)



Red (12%)

Yellow (95%)

Blue (30%)

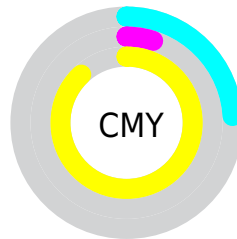


Cyan (20%)

Magenta (0%)

Yellow (88%)

Black (5%)



Cyan (24%)

Magenta (5%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9378, 74.4737, 12.7603 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 53.9378, 74.4737, 12.7603 by changing the saturation by 10% instead.





 53.9378, 74.4737,  
12.7603


 53.9378, 74.4737,  
12.7603


392.0750,  
476.1067, 220.5293

 38.7824, 55.1818,  
7.1349


 95.1403, 125.5671,  
31.5573

 26.7705, 39.5473,  
3.4669


 121.9182,  
158.1374, 45.5660


 17.5366, 27.1858,  
1.3377

 153.3009,  
195.9026, 63.2063

 10.7155, 17.7128,  
0.0924

 189.6539,  
239.2472, 84.8966

 5.9417, 10.7440,  
0.0000

 231.3424,  
288.5555, 111.0555

 2.8500, 5.8950,  
0.0000

 278.7319,

 1.0749, 2.7813,

344.2119, 142.1016

0.0000

332.1876,  
406.6008, 178.4533

0.0040, 1.0187,  
0.0000

0.0000, 0.0000,  
0.0000

53.9378, 74.4737,  
12.7603

53.9378, 74.4737,  
12.7603

52.3840, 73.6985,  
11.6341

55.7767, 75.3740,  
15.1131

52.0271, 73.5182,  
11.4483

57.9445, 76.4091,  
18.9428

60.4799, 77.5970,  
24.4429

63.4144, 78.9505,  
31.7767

■ 66.7757, 80.4807,  
41.0880

■ 70.5890, 82.1977,  
52.5063

■ 74.8772, 84.1108,  
66.1503

■ 79.6616, 86.2286,  
82.1295

■ 84.9621, 88.5589,  
100.5464

# Harmonies

## Analogous

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



74.4583, 74.4737, 9.7311



53.9378, 74.4737, 12.7603



40.9085, 74.4737, 28.9987

# Triad

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



53.9378, 74.4737, 12.7603



48.8858, 74.4737, 231.0067



123.1441, 74.4737, 91.8782

# Complementary

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



53.9378, 74.4737, 12.7603



19.4049, 8.8592, 83.9108

# 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.



112.5120, 74.4737, 174.1527



53.9378, 74.4737, 12.7603



67.2346, 74.4737, 277.3877

# Square

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



53.9378, 74.4737, 12.7603



38.4536, 74.4737, 146.0017



90.8190, 74.4737, 252.4215



117.5028, 74.4737, 38.9932



# Rectangle

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



53.9378, 74.4737, 12.7603



36.6967, 74.4737, 53.4219



90.8190, 74.4737, 252.4215



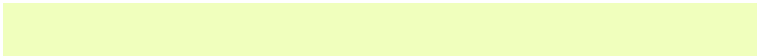
121.3003, 74.4737, 116.9622

# Sweetspot

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



53.9395, 74.4771, 12.7619



80.9258, 93.7465, 61.8032



39.0779, 23.9273, 3.7881



16.9804, 19.9127, 12.1757



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.



53.9395, 74.4771, 12.7619



59.0986, 83.5515, 13.0122



35.8881, 65.1712, 11.9171



16.7584, 18.2711, 16.7931



28.3327, 39.9276, 6.2135



2.4407, 3.3647, 0.5208



# Inverse Universe

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



19.4049, 8.8592, 83.9108



19.7266, 8.0843, 95.1285



35.4515, 17.1315, 84.6618



15.2266, 15.3985, 19.8913



9.5205, 3.9134, 45.3814

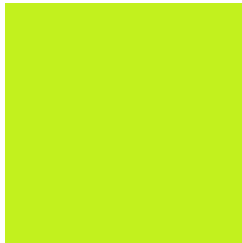


0.8749, 0.3683, 3.7792



# Previews

## White Background



This preview shows how the XYZ color 53.9378, 74.4737, 12.7603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

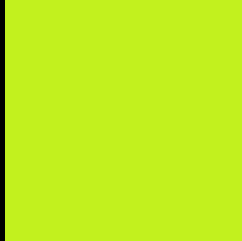
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9378, 74.4737, 12.7603 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 53.9378, 74.4737, 12.7603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9378, 74.4737, 12.7603.



This preview shows how white text looks on a background with the XYZ color 53.9378, 74.4737,



# 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

53.9378, 74.4737, 12.7603

### Protanopia

66.9654, 74.0727, 11.6322

### Deuteranopia

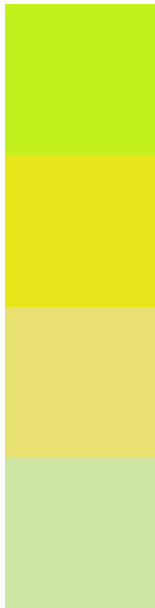
72.7537, 73.5660, 45.4871



## Tritanopia

70.4142, 74.0183, 94.5801

# Trichromacy



## Original Color

53.9378, 74.4737, 12.7603

## Protanomaly

61.4383, 73.6571, 11.9564

## Deuteranomaly

63.8951, 72.9542, 26.9336

## Tritanomaly

60.8205, 72.5756, 46.4002

# Monochromacy



## Original Color

53.9378, 74.4737, 12.7603

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

53.3659, 63.7985, 34.3126

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9378, 74.4737, 12.7603 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(194, 241, 30)` looks like.

```
.text, #text, p{  
    color:rgb(194, 241, 30)  
}
```

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(194, 241, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 241, 30) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9378, 74.4737, 12.7603 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(194, 241, 30) }
```



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

```
.border{ border-color:rgb(194, 241, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 241, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 241, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 241, 30);  
box-shadow:4px 4px 4px 4px rgb(194, 241,  
30) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9378, 74.4737, 12.7603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 241, 30) }
```

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

```
.background{ background-color: rgb(194,  
241, 30) }
```

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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