

# Converting Colors

XYZ(51.5981, 72.7230, 11.5371)

Have a look what the booklet for  
XYZ(51.5981, 72.7230, 11.5371)  
contains.

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# Color

**XYZ(51.6974, 72.9025,  
11.5766)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBF008
RGB	187, 240, 8
RGB Percent	73%, 94%, 3%
CMY	0.2667, 0.0588, 0.9685
CMYK	0.22, 0.00, 0.97, 0.06
HSL	74°, 94%, 49%
HSV	74°, 97%, 94%
XYZ	51.6974, 72.9025, 11.5766
YIQ	197.7050, 42.8840, -83.3880

# Conversions

## Conversions Part 2

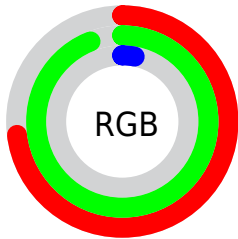
Format	Color
<a href="#">RYB</a>	<a href="#">8, 240, 61</a>
Decimal	<a href="#">12316680</a>
CIELab	<a href="#">88.40, -41.86, 85.25</a>
CIELCh	<a href="#">88, 94.977, 116.152</a>
Yxy	<a href="#">72.9025, 0.3796, 0.5354</a>
Android (android.graphics.Color)	<a href="#">4290506760 (0xFFBBF008)</a>
YUV	<a href="#">197.7050, -93.5246, -9.3883</a>
Hunter-Lab	<a href="#">85.3830, -41.3426, 51.7293</a>

# Details

The XYZ color **51.6974, 72.9025, 11.5766** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **17.7433, 7.4595, 82.9471**, and the grayscale version is **54.0331, 56.8471, 61.9065**.

A 20% lighter version of the original color is **76.4472, 92.2668, 24.1360**, and **26.0426, 38.8702, 6.1301** is the 20% darker color. If you saturate the color by 10%, you get **51.2087, 72.6580, 11.3254**, and if you desaturate by 10%, it is **53.2838, 73.6976, 12.7858**.

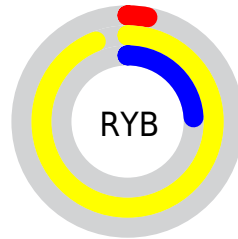
# Distribution



Red (73%)

Green (94%)

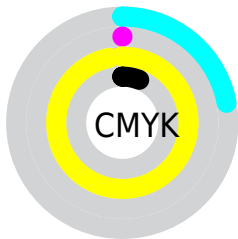
Blue (3%)



Red (3%)

Yellow (94%)

Blue (24%)

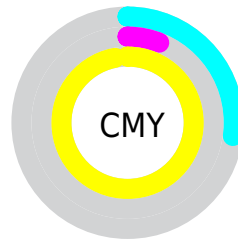


Cyan (22%)

Magenta (0%)

Yellow (97%)

Black (6%)



Cyan (27%)

Magenta (6%)

Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6974, 72.9025, 11.5766 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 51.6974, 72.9025, 11.5766 by changing the saturation by 10% instead.



51.6974, 72.9025,  
11.5766

51.6974, 72.9025,  
11.5766

383.6105,  
470.6768, 212.4592

36.9872, 53.8962,  
6.3371

91.8617, 123.3388,  
29.3744

25.3712, 38.5187,  
2.9790

118.0465,  
155.5376, 42.7696

16.4841, 26.3855,  
1.0839

148.7869,  
192.9027, 59.7206

9.9603, 17.1123,  
0.0000

184.4483,  
235.8186, 80.6458

5.4347, 10.3146,  
0.0000

225.3960,  
284.6695, 105.9637

2.5419, 5.6080,  
0.0000

271.9954,

0.9164, 2.6082,

339.8399, 136.0928

0.0000

324.6117,  
401.7142, 171.4518

■ 0.0000, 0.9308,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.6974, 72.9025,  
11.5766

■ 51.6974, 72.9025,  
11.5766

■ 51.2087, 72.6580,  
11.3254

■ 53.2838, 73.6976,  
12.7858

■ 55.1566, 74.6107,  
15.2403

■ 57.3629, 75.6633,  
19.1778

■ 59.9388, 76.8697,  
24.7850

■ 62.9150, 78.2425,  
32.2217

■ 66.3188, 79.7925,  
41.6286

■ 70.1749, 81.5298,  
53.1330

■ 74.5058, 83.4633,  
66.8513

■ 79.3327, 85.6016,  
82.8914

# Harmonies

## Analogous

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



72.2780, 72.9025, 8.4293



51.6974, 72.9025, 11.5766



38.8678, 72.9025, 27.9455

# Triad

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



51.6974, 72.9025, 11.5766



47.6146, 72.9025, 236.1429



122.9314, 72.9025, 88.1134

# Complementary

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



51.6974, 72.9025, 11.5766



17.7433, 7.4595, 82.9471

# 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.



112.4895, 72.9025, 171.9487



51.6974, 72.9025, 11.5766



66.3887, 72.9025, 282.3275

# Square

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



51.6974, 72.9025, 11.5766



36.8993, 72.9025, 148.6366



90.4835, 72.9025, 254.0189



116.6059, 72.9025, 35.8787



# Rectangle

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



51.6974, 72.9025, 11.5766



34.8265, 72.9025, 52.9422



90.4835, 72.9025, 254.0189



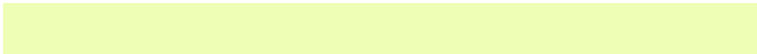
121.2155, 72.9025, 113.4109

# Sweetspot

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



51.6991, 72.9058, 11.5781



79.3998, 93.0531, 57.5192



37.5091, 21.5999, 2.4230



16.5875, 19.7338, 11.0931



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.



51.6991, 72.9058, 11.5781



58.7156, 83.3540, 12.9943



34.0114, 63.7874, 10.7504



16.7491, 18.2664, 16.7927



28.1523, 39.8346, 6.2051



2.4271, 3.3577, 0.5202



# Inverse Universe

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



17.7433, 7.4595, 82.9471



19.8106, 8.1276, 95.1324



33.3344, 15.4970, 83.6767



15.2352, 15.4029, 19.8917



9.5628, 3.9352, 45.3834

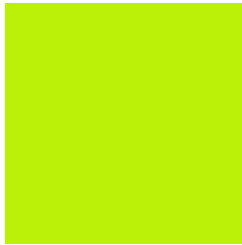


0.8796, 0.3707, 3.7794



# Previews

## White Background



This preview shows how the XYZ color 51.6974, 72.9025, 11.5766 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 51.6974, 72.9025, 11.5766 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 51.6974, 72.9025, 11.5766

## Background



This preview shows how black text looks on a background with the XYZ color 51.6974, 72.9025, 11.5766.



This preview shows how white text looks on a background with the XYZ color 51.6974, 72.9025,



# 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

51.6974, 72.9025, 11.5766

### Protanopia

65.1882, 72.3823, 10.5354

### Deuteranopia

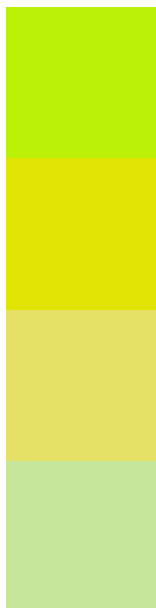
71.4568, 72.2274, 41.1855



## **Tritanopia**

68.2773, 72.5361, 93.6214

# Trichromacy



## Original Color

51.6974, 72.9025, 11.5766

## Protanomaly

59.3998, 72.2139, 10.8941

## Deuteranomaly

61.6871, 71.0936, 23.0416

## Tritanomaly

57.8395, 70.7183, 42.0540

# Monochromacy



## Original Color

51.6974, 72.9025, 11.5766

## Achromatopsia

53.6758, 56.4712, 61.4971

## Achromatomaly

50.0048, 60.6428, 29.8386

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.6974, 72.9025, 11.5766 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(187, 240, 8)` looks like.

```
.text, #text, p{  
    color:rgb(187, 240, 8)  
}
```

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(187, 240, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 240, 8) }
```

## Border

The CSS property to change the border of an element to XYZ 51.6974, 72.9025, 11.5766 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(187, 240, 8) }
```



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

```
.border{ border-color:rgb(187, 240, 8) }
```

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

Here you see how a box with a 4 pixel rgb(187, 240, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 240, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 240, 8);  
box-shadow:4px 4px 4px 4px rgb(187, 240,  
8) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.6974, 72.9025, 11.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 240, 8) }
```

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

```
.background{ background-color: rgb(187,  
240, 8) }
```

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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