

Converting Colors

XYZ(51.2810, 71.4908, 11.0963)

Have a look what the booklet for
XYZ(51.2810, 71.4908, 11.0963)
contains.

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Color

**XYZ(51.2705, 71.3872,
11.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	BDED00
RGB	189, 237, 0
RGB Percent	74%, 93%, 0%
CMY	0.2588, 0.0706, 0.9999
CMYK	0.20, 0.00, 1.00, 0.07
HSL	72°, 100%, 46%
HSV	72°, 100%, 93%
XYZ	51.2705, 71.3872, 11.0769
YIQ	195.6300, 47.4690, -83.8830

Conversions

Conversions Part 2

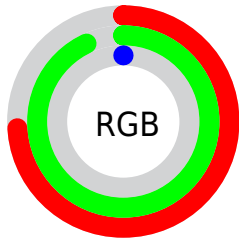
Format	Color
RYB	0, 237, 48
Decimal	12446976
CIELab	87.67, -39.85, 85.38
CIELCh	88, 94.222, 115.019
Yxy	71.3872, 0.3834, 0.5338
Android (android.graphics.Color)	4290637056 (0xFFBDED00)
YUV	195.6300, -96.4456, -5.8145
Hunter-Lab	84.4909, -39.5424, 51.3706

Details

The XYZ color **51.2705, 71.3872, 11.0769** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **16.5081, 6.7449, 80.5568**, and the grayscale version is **52.7912, 55.5405, 60.4836**.

A 20% lighter version of the original color is **77.0727, 92.5993, 23.7088**, and **25.7298, 37.7936, 5.9388** is the 20% darker color. If you saturate the color by 10%, you get **51.2702, 71.3894, 11.0773**, and if you desaturate by 10%, it is **52.6450, 72.0794, 11.9878**.

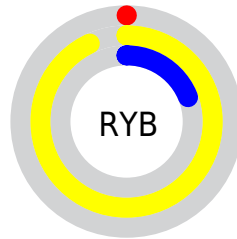
Distribution



Red (74%)

Green (93%)

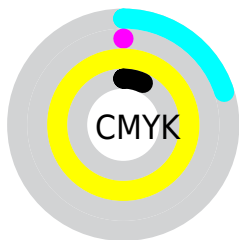
Blue (0%)



Red (0%)

Yellow (93%)

Blue (19%)

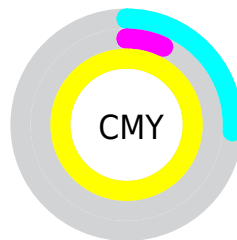


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (26%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2705, 71.3872, 11.0769 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 51.2705, 71.3872, 11.0769 by changing the saturation by 10% instead.


 51.2705, 71.3872,
11.0769

 51.2705, 71.3872,
11.0769


381.9842,
465.4058, 208.9507


 36.6458, 52.6582,
6.0038


 91.2351, 121.1849,
28.4411

 25.1058, 37.5300,
2.7785


 117.3058,
153.0224, 41.5692


 16.2851, 25.6181,
0.9827


 147.9225,
189.9982, 58.2195

 9.8182, 16.5382,
0.0000

 183.4506,
232.4968, 78.8103

 5.3399, 9.9058,
0.0000

 224.2555,
280.9024, 103.7603

 2.4849, 5.3365,
0.0000

 270.7025,

 0.8876, 2.4460,

335.5995, 133.4880

0.0000

323.1569,
396.9726, 168.4120

■ 0.0000, 0.8494,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.2705, 71.3872,
11.0769

■ 51.2705, 71.3872,
11.0769

■ 51.2702, 71.3894,
11.0773

■ 52.6450, 72.0794,
11.9878

■ 54.2555, 72.8681,
13.9411

■ 56.1661, 73.7815,
17.2652

■ 58.4140, 74.8344,
22.1535

■ 61.0302, 76.0395,
28.7680

■ 64.0421, 77.4075,
37.2509

■ 67.4741, 78.9484,
47.7293

■ 71.3487, 80.6712,
60.3194

■ 75.6866, 82.5842,
75.1285

Harmonies

Analogous

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



71.6468, 71.3872, 8.3230



51.2705, 71.3872, 11.0769



38.4109, 71.3872, 26.4094

Triad

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



51.2705, 71.3872, 11.0769



46.0997, 71.3872, 228.2005



120.2194, 71.3872, 88.8976

Complementary

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



51.2705, 71.3872, 11.0769



16.5081, 6.7449, 80.5568

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.



109.4423, 71.3872, 171.6412



51.2705, 71.3872, 11.0769



64.1925, 71.3872, 275.7455

Square

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



51.2705, 71.3872, 11.0769



35.9166, 71.3872, 142.1628



87.6695, 71.3872, 250.7909



114.6484, 71.3872, 36.4720

Rectangle

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



51.2705, 71.3872, 11.0769



34.2621, 71.3872, 50.0867



87.6695, 71.3872, 250.7909



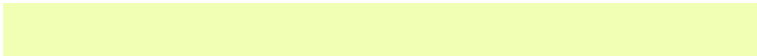
118.3307, 71.3872, 114.0300

Sweetspot

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



51.2721, 71.3904, 11.0784



79.6127, 93.1928, 56.1751



35.9608, 20.0731, 1.9801



16.6605, 19.7770, 10.8423



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.



51.2721, 71.3904, 11.0784



60.4817, 84.2645, 13.0770



32.8938, 61.9160, 10.2183



16.0357, 17.4640, 16.0444



28.1008, 39.0310, 6.0527



2.2821, 3.1038, 0.4788

Inverse Universe

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



16.5081, 6.7449, 80.5568



19.4487, 7.9410, 95.1155



30.9952, 14.2132, 81.2348



14.5162, 14.6959, 18.9937



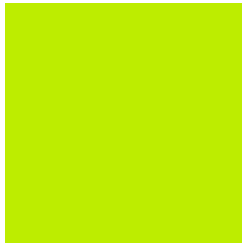
9.0971, 3.7256, 43.9826



0.7913, 0.3322, 3.4573

Previews

White Background



This preview shows how the XYZ color 51.2705, 71.3872, 11.0769 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 51.2705, 71.3872, 11.0769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

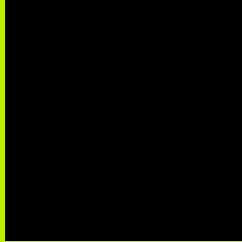
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.2705, 71.3872, 11.0769

Background



This preview shows how black text looks on a background with the XYZ color 51.2705, 71.3872, 11.0769.



This preview shows how white text looks on a background with the XYZ color 51.2705, 71.3872,

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

51.2705, 71.3872, 11.0769

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

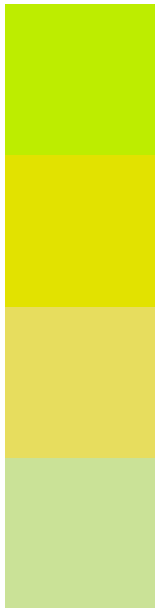
70.1288, 70.4851, 37.9258



Tritanopia

67.3203, 70.9148, 91.0287

Trichromacy



Original Color

51.2705, 71.3872, 11.0769

Protanomaly

58.5604, 70.5615, 10.5333

Deuteranomaly

60.8318, 69.5100, 20.8003

Tritanomaly

57.1394, 69.1836, 39.6204

Monochromacy



Original Color

51.2705, 71.3872, 11.0769

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

48.9883, 59.4067, 28.2867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2705, 71.3872, 11.0769 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(189, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 237, 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(189, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.2705, 71.3872, 11.0769 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(189, 237, 0) }
```


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

```
.border{ border-color:rgb(189, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 237,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2705, 71.3872, 11.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 237, 0) }
```

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

```
.background{ background-color: rgb(189,  
237, 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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