

Converting Colors

XYZ(50.8287, 70.9886, 12.0513)

Have a look what the booklet for
XYZ(50.8287, 70.9886, 12.0513)
contains.

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Color

**XYZ(50.9755, 71.2123,
12.0956)**

Conversions

Conversions Part 1

Format	Color
Hex	BBED1B
RGB	187, 237, 27
RGB Percent	73%, 93%, 11%
CMY	0.2667, 0.0706, 0.8941
CMYK	0.21, 0.00, 0.89, 0.07
HSL	74°, 85%, 52%
HSV	74°, 89%, 93%
XYZ	50.9755, 71.2123, 12.0956
YIQ	198.1100, 37.6100, -75.9100

Conversions

Conversions Part 2

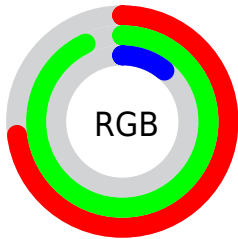
Format	Color
RYB	27, 237, 77
Decimal	12315931
CIELab	87.59, -40.26, 82.46
CIElCh	88, 91.763, 116.027
Yxy	71.2123, 0.3796, 0.5303
Android (android.graphics.Color)	4290506011 (0xFFBBED1B)
YUV	198.1100, -84.3572, -9.7435
Hunter-Lab	84.3874, -39.8522, 50.5729

Details

The XYZ color **50.9755, 71.2123, 12.0956** 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 **18.7416, 8.4781, 80.7737**, and the grayscale version is **54.2272, 57.0513, 62.1288**.

A 20% lighter version of the original color is **76.3699, 92.1950, 25.5747**, and **25.4260, 37.6369, 5.9246** is the 20% darker color. If you saturate the color by 10%, you get **49.4434, 70.4456, 11.0866**, and if you desaturate by 10%, it is **52.7786, 72.0987, 14.2341**.

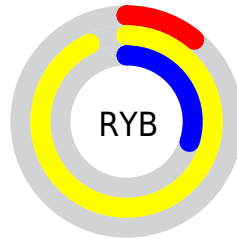
Distribution



Red (73%)

Green (93%)

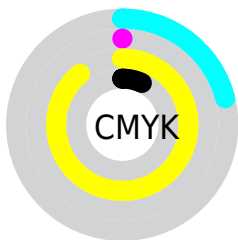
Blue (11%)



Red (11%)

Yellow (93%)

Blue (30%)

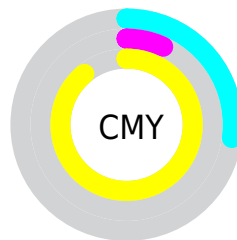


Cyan (21%)

Magenta (0%)

Yellow (89%)

Black (7%)



Cyan (27%)


Magenta (7%)

Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9755, 71.2123, 12.0956 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 50.9755, 71.2123, 12.0956 by changing the saturation by 10% instead.


 50.9755, 71.2123,
12.0956


 50.9755, 71.2123,
12.0956


380.8578,
464.7952, 216.0375

 36.4101, 52.5155,
6.6855


 90.8018, 120.9360,
30.3361


 24.9226, 37.4161,
3.1907


 116.7933,
152.7316, 44.0036


 16.1479, 25.5298,
1.1928


 147.3243,
189.6623, 61.2606

 9.7204, 16.4722,
0.0000

 182.7600,
232.1124, 82.5256

 5.2748, 9.8589,
0.0000

 223.4659,
280.4664, 108.2173

 2.4458, 5.3055,
0.0000

 269.8072,

 0.8680, 2.4276,

335.1086, 138.7542

0.0000

322.1494,
396.4234, 174.5547

■ 0.0000, 0.8400,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.9755, 71.2123,
12.0956

■ 50.9755, 71.2123,
12.0956

■ 49.4434, 70.4456,
11.0866


■ 52.7786, 72.0987,
14.2341


■ 49.2401, 70.3429,
10.9823


■ 54.9004, 73.1165,
17.7719


■ 57.3790, 74.2833,
22.8985


■ 60.2450, 75.6116,
29.7728

 63.5255, 77.1123,
38.5345

 67.2451, 78.7951,
49.3093

 71.4259, 80.6692,
62.2118

 76.0888, 82.7428,
77.3482

 81.2530, 85.0237,
94.8175

Harmonies

Analogous

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



70.6179, 71.2123, 8.9804



50.9755, 71.2123, 12.0956



38.6408, 71.2123, 28.0924

Triad

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



50.9755, 71.2123, 12.0956



46.9413, 71.2123, 224.8802



118.4344, 71.2123, 86.1172

Complementary

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



50.9755, 71.2123, 12.0956



18.7416, 8.4781, 80.7737

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.



108.5261, 71.2123, 165.3326



50.9755, 71.2123, 12.0956



64.8347, 71.2123, 268.3165

Square

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



50.9755, 71.2123, 12.0956



36.6850, 71.2123, 142.6917



87.6974, 71.2123, 242.1449



112.5355, 71.2123, 36.0303

Rectangle

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



50.9755, 71.2123, 12.0956



34.7284, 71.2123, 52.1117



87.6974, 71.2123, 242.1449



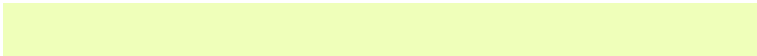
116.7945, 71.2123, 110.1250

Sweetspot

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



50.9771, 71.2155, 12.0971



80.1020, 93.3535, 60.3352



37.7103, 23.2555, 3.5391



16.8041, 19.8279, 11.8942



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.



50.9771, 71.2155, 12.0971



58.0787, 83.0257, 12.9645



34.0523, 62.4904, 11.3050



15.9810, 17.4358, 16.0419



27.0045, 38.4658, 6.0014



2.2047, 3.0639, 0.4752

Inverse Universe

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



18.7416, 8.4781, 80.7737



19.9576, 8.2034, 95.1393



34.7372, 16.7242, 81.5223



14.5670, 14.7221, 18.9961



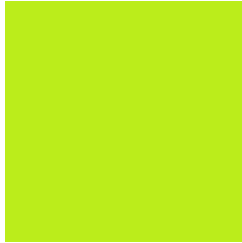
9.3467, 3.8543, 43.9943



0.8177, 0.3458, 3.4585

Previews

White Background



This preview shows how the XYZ color 50.9755, 71.2123, 12.0956 looks on a white background.

Color Contrast Check

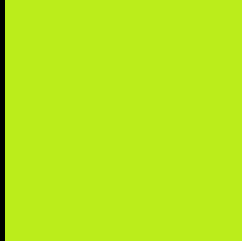
Large Text (above 18pt) WCAG AA × Fail

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 50.9755, 71.2123, 12.0956 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 50.9755, 71.2123, 12.0956

Background



This preview shows how black text looks on a background with the XYZ color 50.9755, 71.2123, 12.0956.



This preview shows how white text looks on a background with the XYZ color 50.9755, 71.2123,

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

50.9755, 71.2123, 12.0956

Protanopia

63.8156, 70.4877, 10.9039

Deuteranopia

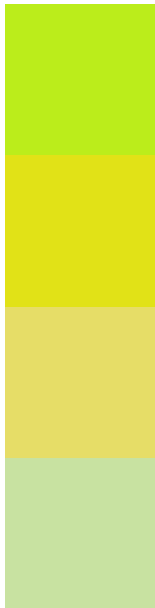
70.0499, 70.4536, 37.5106



Tritanopia

66.7579, 70.6248, 91.0024

Trichromacy



Original Color

50.9755, 71.2123, 12.0956

Protanomaly

58.4023, 70.4621, 11.3330

Deuteranomaly

60.9378, 69.5152, 23.0380

Tritanomaly

57.4488, 69.2453, 44.0560

Monochromacy



Original Color

50.9755, 71.2123, 12.0956

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.2356, 60.3339, 32.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9755, 71.2123, 12.0956 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, 237, 27)` looks like.

```
.text, #text, p{  
    color:rgb(187, 237, 27)  
}
```

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, 237, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 237, 27) }
```

Border

The CSS property to change the border of an element to XYZ 50.9755, 71.2123, 12.0956 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, 237, 27) }
```


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

```
.border{ border-color:rgb(187, 237, 27) }
```

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

Here you see how a box with a 4 pixel rgb(187, 237, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 237, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 237, 27);  
box-shadow:4px 4px 4px 4px rgb(187, 237,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9755, 71.2123, 12.0956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 237, 27) }
```

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

```
.background{ background-color: rgb(187,  
237, 27) }
```

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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