

Converting Colors

XYZ(51.1817, 70.4341, 13.5832)

Have a look what the booklet for
XYZ(51.1817, 70.4341, 13.5832)
contains.

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Color

**XYZ(51.2077, 70.4407,
13.5868)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEB2F
RGB	189, 235, 47
RGB Percent	74%, 92%, 18%
CMY	0.2588, 0.0784, 0.8157
CMYK	0.20, 0.00, 0.80, 0.08
HSL	75°, 82%, 55%
HSV	75°, 80%, 92%
XYZ	51.2077, 70.4407, 13.5868
YIQ	199.8140, 32.9320, -68.2200

Conversions

Conversions Part 2

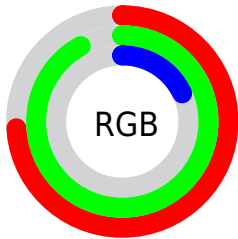
Format	Color
R _Y B	47, 235, 93
Decimal	12446511
CIE Lab	87.21, -38.03, 78.01
CIE LCh	87, 86.787, 115.989
Yxy	70.4407, 0.3787, 0.5209
Android (android.graphics.Color)	4290636591 (0xFFBDEB2F)
YUV	199.8140, -75.3373, -9.4839
Hunter-Lab	83.9290, -37.9672, 49.1521

Details

The XYZ color **51.2077, 70.4407, 13.5868** 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 **20.5288, 10.3602, 79.5191**, and the grayscale version is **55.2222, 58.0981, 63.2688**.

A 20% lighter version of the original color is **77.6414, 92.7855, 28.5691**, and **25.4802, 37.0655, 5.8114** is the 20% darker color. If you saturate the color by 10%, you get **49.4573, 69.5815, 11.6615**, and if you desaturate by 10%, it is **53.2728, 71.4374, 16.8601**.

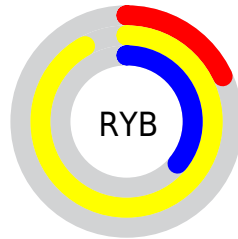
Distribution



Red (74%)

Green (92%)

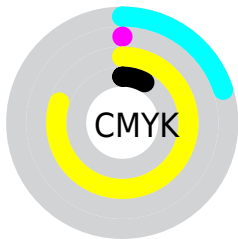
Blue (18%)



Red (18%)

Yellow (92%)

Blue (36%)

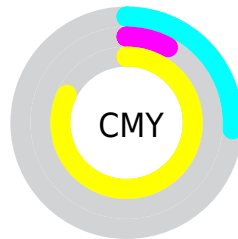


Cyan (20%)

Magenta (0%)

Yellow (80%)

Black (8%)



Cyan (26%)

Magenta (8%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2077, 70.4407, 13.5868 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 51.2077, 70.4407, 13.5868 by changing the saturation by 10% instead.

■ 51.2077, 70.4407,
13.5868

■ 51.2077, 70.4407,
13.5868

381.7446,
462.0959, 225.9832

■ 36.5956, 51.8859,
7.6984

■ 91.1429, 119.8370,
33.0606

■ 25.0668, 36.9141,
3.8176

■ 117.1967,
151.4473, 47.4830

■ 16.2558, 25.1410,
1.5258

■ 147.7952,
188.1782, 65.5872

■ 9.7974, 16.1821,
0.2370

■ 183.3037,
230.4141, 87.7916

■ 5.3260, 9.6531,
0.0000

■ 224.0875,
278.5395, 114.5149

■ 2.4765, 5.1696,
0.0000

270.5120,

■ 0.8834, 2.3471,

332.9386, 146.1756

0.0000

322.9426,
393.9959, 183.1922

■ 0.0000, 0.7985,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.2077, 70.4407,
13.5868

■ 51.2077, 70.4407,
13.5868

■ 49.4573, 69.5815,
11.6615

■ 53.2728, 71.4374,
16.8601

■ 47.9550, 68.8255,
10.7574

■ 55.6843, 72.5767,
21.6659

■ 47.9545, 68.8252,
10.7571

■ 58.4747, 73.8742,
28.1647

■ 61.6708, 75.3408,
36.4955

■ 65.2971, 76.9863,
46.7831

■ 69.3757, 78.8196,
59.1411

■ 73.9272, 80.8489,
73.6747

■ 78.9706, 83.0822,
90.4817

■ 83.9531, 85.2981,
106.6471

Harmonies

Analogous

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



69.7298, 70.4407, 10.3849



51.2077, 70.4407, 13.5868



39.4411, 70.4407, 29.4960

Triad

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



51.2077, 70.4407, 13.5868



47.3397, 70.4407, 212.3899



114.1380, 70.4407, 84.8170

Complementary

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



51.2077, 70.4407, 13.5868



20.5288, 10.3602, 79.5191

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.



104.9669, 70.4407, 158.1446



51.2077, 70.4407, 13.5868



64.2486, 70.4407, 251.9301

Square

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



51.2077, 70.4407, 13.5868



37.5465, 70.4407, 137.1292



85.6314, 70.4407, 228.2456



108.7088, 70.4407, 37.2846

Rectangle

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



51.2077, 70.4407, 13.5868



35.6765, 70.4407, 52.6119



85.6314, 70.4407, 228.2456



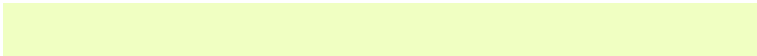
112.6183, 70.4407, 107.1994

Sweetspot

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



51.2093, 70.4439, 13.5883



81.4182, 93.9354, 64.7614



38.5064, 25.3292, 5.5498



17.0547, 19.9386, 12.7401



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.



51.2093, 70.4439, 13.5883



58.3457, 83.1569, 13.2686



35.1680, 62.1743, 12.8376



15.9709, 17.4306, 16.0414



26.8086, 38.3648, 5.9922



2.1908, 3.0567, 0.4745

Inverse Universe

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



20.5288, 10.3602, 79.5191



20.6942, 8.7475, 95.2055



35.9900, 18.3307, 80.2427



14.5764, 14.7269, 18.9966



9.3975, 3.8805, 43.9967



0.8229, 0.3485, 3.4588

Previews

White Background



This preview shows how the XYZ color 51.2077, 70.4407, 13.5868 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 51.2077, 70.4407, 13.5868 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 51.2077, 70.4407, 13.5868

Background



This preview shows how black text looks on a background with the XYZ color 51.2077, 70.4407, 13.5868.



This preview shows how white text looks on a background with the XYZ color 51.2077, 70.4407,

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

51.2077, 70.4407, 13.5868

Protanopia

63.1636, 69.7297, 12.4156

Deuteranopia

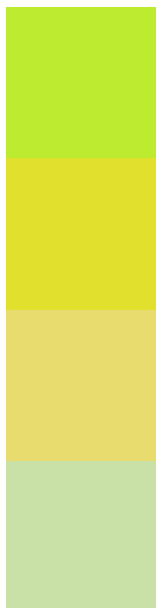
69.5683, 69.8621, 36.2037



Tritanopia

66.4843, 70.1291, 89.3890

Trichromacy



Original Color

51.2077, 70.4407, 13.5868

Protanomaly

58.1616, 69.5007, 12.7324

Deuteranomaly

61.3085, 69.2795, 24.6090

Tritanomaly

57.9877, 69.0580, 46.8325

Monochromacy



Original Color

51.2077, 70.4407, 13.5868

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

51.5932, 61.3379, 35.5057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2077, 70.4407, 13.5868 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, 235, 47)` looks like.

```
.text, #text, p{  
    color:rgb(189, 235, 47)  
}
```

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, 235, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 235, 47) }
```

Border

The CSS property to change the border of an element to XYZ 51.2077, 70.4407, 13.5868 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, 235, 47) }
```


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

```
.border{ border-color:rgb(189, 235, 47) }
```

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

Here you see how a box with a 4 pixel rgb(189, 235, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 235, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 235, 47);  
box-shadow:4px 4px 4px 4px rgb(189, 235,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2077, 70.4407, 13.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 235, 47) }
```

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

```
.background{ background-color: rgb(189,  
235, 47) }
```

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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