

# Converting Colors

XYZ(51.0057, 71.5229, 18.3247)

Have a look what the booklet for  
XYZ(51.0057, 71.5229, 18.3247)  
contains.

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# Color

**XYZ(51.0057, 71.5229,  
18.3247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5EE4E
RGB	181, 238, 78
RGB Percent	71%, 93%, 31%
CMY	0.2902, 0.0666, 0.6941
CMYK	0.24, 0.00, 0.67, 0.07
HSL	81°, 82%, 62%
HSV	81°, 67%, 93%
XYZ	51.0057, 71.5229, 18.3247
YIQ	202.7170, 17.3880, -61.8440

# Conversions

## Conversions Part 2

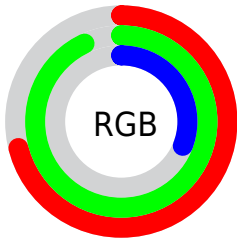
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">78, 238, 135</a>
Decimal	<a href="#">11923022</a>
CIELab	<a href="#">87.74, -40.83, 68.44</a>
CIELCh	<a href="#">88, 79.693, 120.822</a>
Yxy	<a href="#">71.5229, 0.3621, 0.5078</a>
Android (android.graphics.Color)	<a href="#">4290113102 (0xFFB5EE4E)</a>
YUV	<a href="#">202.7170, -61.4855, -19.0458</a>
Hunter-Lab	<a href="#">84.5712, -40.3446, 46.3530</a>

# Details

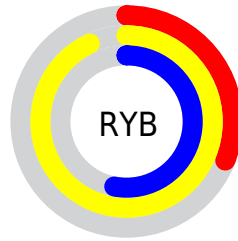
The XYZ color **51.0057, 71.5229, 18.3247** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.1516, 16.7747, 82.6472**, and the grayscale version is **56.9548, 59.9209, 65.2538**.

A 20% lighter version of the original color is **76.0684, 91.7945, 36.6306**, and **25.0401, 37.7410, 5.9650** is the 20% darker color. If you saturate the color by 10%, you get **48.3743, 70.2501, 14.5253**, and if you desaturate by 10%, it is **54.0701, 72.9879, 23.7582**.

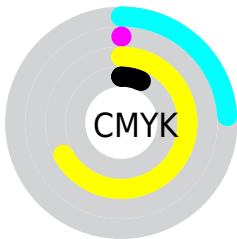
# Distribution



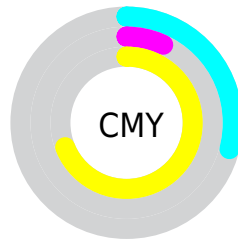
- Red (71%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (53%)



- Cyan (24%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)



- Cyan (29%)
- Magenta (7%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0057, 71.5229, 18.3247 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 51.0057, 71.5229, 18.3247 by changing the saturation by 10% instead.



■ 51.0057, 71.5229,  
18.3247

■ 51.0057, 71.5229,  
18.3247

380.9732,  
465.8793, 254.9922

■ 36.4342, 52.7690,  
11.0115

■ 90.8461, 121.3780,  
41.4112

■ 24.9414, 37.6184,  
5.9603

■ 116.8458,  
153.2480, 58.0216

■ 16.1619, 25.6867,  
2.7526

■ 147.3855,  
190.2588, 78.5682

■ 9.7304, 16.5894,  
0.9697

■ 182.8308,  
232.7949, 103.4694

■ 5.2814, 9.9422,  
0.0000

■ 223.5468,  
281.2406, 133.1439

■ 2.4498, 5.3606,  
0.0000

269.8990,

■ 0.8700, 2.4604,

335.9803, 168.0102

0.0000

322.2527,  
397.3984, 208.4868

0.0000, 0.8567,  
0.0000

0.0000, 0.0000,  
0.0000

51.0057, 71.5229,  
18.3247

51.0057, 71.5229,  
18.3247

48.3743, 70.2501,  
14.5253

54.0701, 72.9879,  
23.7582

46.1337, 69.1448,  
12.1703


57.5946, 74.6487,  
30.9788


44.2376, 68.1908,  
11.0202


61.6091, 76.5199,  
40.1270


43.7521, 67.9447,  
10.8087


66.1395, 78.6122,  
51.3282

 71.2094, 80.9352,  
64.6970

 76.8410, 83.4980,  
80.3396

 83.0548, 86.3090,  
98.3554

 87.6353, 88.4822,  
107.0676

 89.8661, 89.6323,  
107.1720

# Harmonies

## Analogous

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



67.4601, 71.5229, 13.2761



51.0057, 71.5229, 18.3247



40.9272, 71.5229, 37.3527

# Triad

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



51.0057, 71.5229, 18.3247



51.7553, 71.5229, 208.7068



111.1855, 71.5229, 76.3920

# Complementary

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



51.0057, 71.5229, 18.3247



28.1516, 16.7747, 82.6472

# 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.



104.9103, 71.5229, 140.4474



51.0057, 71.5229, 18.3247



68.5033, 71.5229, 235.2205

# Square

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



51.0057, 71.5229, 18.3247



41.3002, 71.5229, 144.3160



88.3564, 71.5229, 205.8379



104.2152, 71.5229, 35.7896



# Rectangle

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



51.0057, 71.5229, 18.3247



38.0412, 71.5229, 62.4251



88.3564, 71.5229, 205.8379



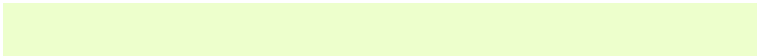
110.5460, 71.5229, 95.6873

# Sweetspot

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



51.0074, 71.5261, 18.3262



81.5272, 93.8548, 70.9456



45.1629, 35.7799, 11.7345



17.0893, 19.9235, 14.2298



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.



51.0074, 71.5261, 18.3262



55.4549, 81.6104, 15.6748



37.4315, 64.5275, 17.6909



16.5448, 18.1610, 16.7831



24.5540, 37.9796, 6.0367



2.1505, 3.2151, 0.5072



# Inverse Universe

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



28.1516, 16.7747, 82.6472



27.1573, 13.5115, 95.7844



45.8913, 25.9198, 83.4774



15.4287, 15.5027, 19.9007



10.8173, 4.5819, 45.4421



1.0045, 0.4351, 3.7853



# Previews

## White Background



This preview shows how the XYZ color 51.0057, 71.5229, 18.3247 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 51.0057, 71.5229, 18.3247 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 51.0057, 71.5229, 18.3247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0057, 71.5229, 18.3247.



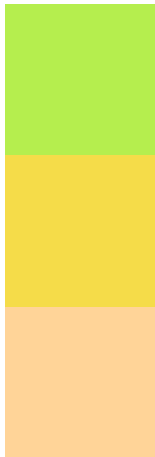
This preview shows how white text looks on a background with the XYZ color 51.0057, 71.5229,



# 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

51.0057, 71.5229, 18.3247

### Protanopia

64.4520, 71.0799, 16.6261

### Deuteranopia

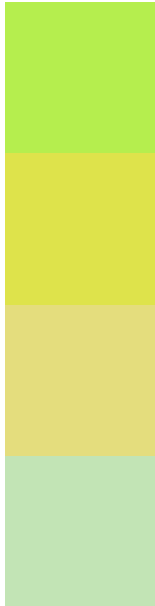
70.4510, 70.6140, 39.6225



## Tritanopia

65.9368, 70.9513, 92.6578

# Trichromacy



## Original Color

51.0057, 71.5229, 18.3247

## Protanomaly

58.8633, 70.9758, 17.2539

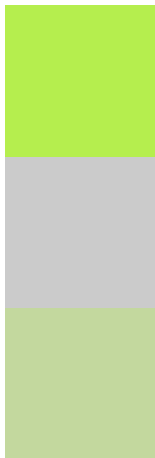
## Deuteranomaly

61.5530, 69.6876, 29.6089

## Tritanomaly

58.3320, 70.2923, 54.2094

# Monochromacy



## Original Color

51.0057, 71.5229, 18.3247

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

53.2331, 63.1825, 41.7375

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0057, 71.5229, 18.3247 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(181, 238, 78)` looks like.

```
.text, #text, p{  
    color:rgb(181, 238, 78)  
}
```

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(181, 238, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 238, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0057, 71.5229, 18.3247 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(181, 238, 78) }
```



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

```
.border{ border-color:rgb(181, 238, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 238, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 238, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 238, 78);  
box-shadow:4px 4px 4px 4px rgb(181, 238,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0057, 71.5229, 18.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 238, 78) }
```

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

```
.background{ background-color: rgb(181,  
238, 78) }
```

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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