

# Converting Colors

XYZ(51.7850, 73.9831, 18.3645)

Have a look what the booklet for  
XYZ(51.7850, 73.9831, 18.3645)  
contains.

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# Color

**XYZ(51.9455, 74.2067,  
18.4230)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F34C
RGB	179, 243, 76
RGB Percent	70%, 95%, 30%
CMY	0.2980, 0.0470, 0.7019
CMYK	0.26, 0.00, 0.69, 0.05
HSL	83°, 87%, 63%
HSV	83°, 69%, 95%
XYZ	51.9455, 74.2067, 18.4230
YIQ	204.8260, 15.4630, -65.5050

# Conversions

## Conversions Part 2

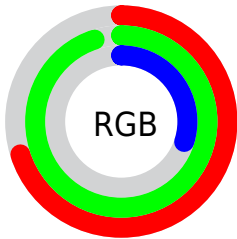
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">76, 243, 140</a>
Decimal	<a href="#">11793228</a>
CIELab	<a href="#">89.02, -43.88, 70.45</a>
CIElCh	<a href="#">89, 82.996, 121.915</a>
Yxy	<a href="#">74.2067, 0.3593, 0.5133</a>
Android (android.graphics.Color)	<a href="#">4289983308 (0xFFB3F34C)</a>
YUV	<a href="#">204.8260, -63.5112, -22.6494</a>
Hunter-Lab	<a href="#">86.1433, -43.1130, 47.6203</a>

# Details

The XYZ color **51.9455, 74.2067, 18.4230** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed chartreuse. A complement of this color would be **29.5805, 17.2175, 86.5626**, and the grayscale version is **58.3038, 61.3401, 66.7994**.

A 20% lighter version of the original color is **75.2535, 91.3906, 35.8642**, and **25.4441, 39.1828, 6.2220** is the 20% darker color. If you saturate the color by 10%, you get **49.1752, 72.8608, 14.6859**, and if you desaturate by 10%, it is **55.1836, 75.7617, 23.8495**.

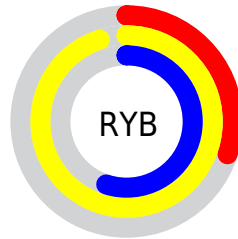
# Distribution



Red (70%)

Green (95%)

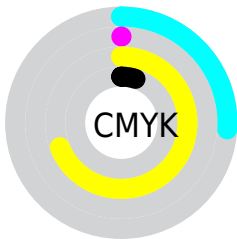
Blue (30%)



Red (30%)

Yellow (95%)

Blue (55%)

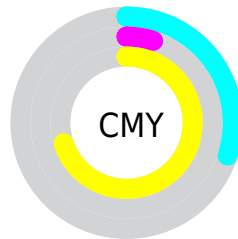


Cyan (26%)

Magenta (0%)

Yellow (69%)

Black (5%)



Cyan (30%)

Magenta (5%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9455, 74.2067, 18.4230 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 51.9455, 74.2067, 18.4230 by changing the saturation by 10% instead.



51.9455, 74.2067,  
18.4230

51.9455, 74.2067,  
18.4230

384.5536,  
475.1865, 255.5603

37.1857, 54.9632,  
11.0815

92.2256, 125.1888,  
41.5804

25.5257, 39.3723,  
6.0068

118.4766,  
157.6962, 58.2335

16.5999, 27.0495,  
2.7804

149.2887,  
195.3937, 78.8274

10.0432, 17.6104,  
0.9836

185.0273,  
238.6657, 103.7809

5.4901, 10.6706,  
0.0000

226.0577,  
287.8965, 133.5124

2.5753, 5.8458,  
0.0000

272.7453,

0.9334, 2.7516,

343.4707, 168.4404

0.0000

325.4555,  
405.7725, 208.9835

0.0000, 1.0034,  
0.0000

0.0000, 0.0000,  
0.0000

51.9455, 74.2067,  
18.4230

51.9455, 74.2067,  
18.4230

49.1752, 72.8608,  
14.6859

55.1836, 75.7617,  
23.8495

46.8265, 71.6975,  
12.4326

58.9193, 77.5302,  
31.1301


44.8426, 70.6962,  
11.3714


63.1852, 79.5282,  
40.4153

44.6058, 70.5760,  
11.2716

68.0093, 81.7673,  
51.8390

 73.4173, 84.2580,  
65.5233

 79.4333, 87.0101,  
81.5812

 86.0796, 90.0330,  
100.1183

 90.7957, 92.3027,  
107.6385

 91.3422, 92.5844,  
107.6641

# Harmonies

## Analogous

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



69.2427, 74.2067, 12.8568



51.9455, 74.2067, 18.4230



41.5422, 74.2067, 38.9672

# Triad

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



51.9455, 74.2067, 18.4230



53.7984, 74.2067, 223.8058



116.8437, 74.2067, 77.1422

# Complementary

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



51.9455, 74.2067, 18.4230



29.5805, 17.2175, 86.5626

# 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.



110.5933, 74.2067, 145.2044



51.9455, 74.2067, 18.4230



71.8356, 74.2067, 250.4817

# Square

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



51.9455, 74.2067, 18.4230



42.4598, 74.2067, 154.9191



93.0929, 74.2067, 216.5625



108.8527, 74.2067, 35.1446



# Rectangle

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



51.9455, 74.2067, 18.4230



38.6721, 74.2067, 66.1580



93.0929, 74.2067, 216.5625



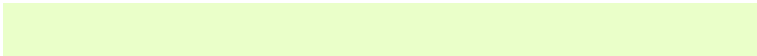
116.3349, 74.2067, 97.4537

# Sweetspot

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



51.9472, 74.2100, 18.4246



80.4438, 93.3313, 69.3112



47.2484, 37.5369, 11.5936



16.8557, 19.8099, 13.9113



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.



51.9472, 74.2100, 18.4246



53.8986, 80.8140, 15.3324



38.4234, 67.2382, 17.7917



17.2637, 18.9780, 17.5508



24.6351, 38.8126, 6.1932



2.2796, 3.4702, 0.5497



# Inverse Universe

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



29.5805, 17.2175, 86.5626



27.6334, 13.6050, 95.7773



48.5027, 26.9723, 87.4481



16.1816, 16.2363, 20.8236



11.5028, 4.9043, 46.8784

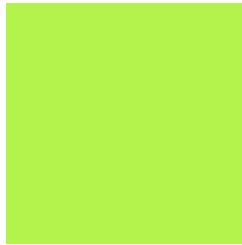


1.1219, 0.4882, 4.1253



# Previews

## White Background



This preview shows how the XYZ color 51.9455, 74.2067, 18.4230 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

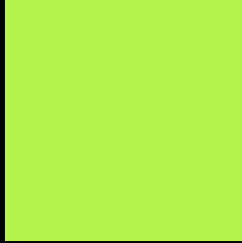
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9455, 74.2067, 18.4230 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 51.9455, 74.2067, 18.4230

## Background



This preview shows how black text looks on a background with the XYZ color 51.9455, 74.2067, 18.4230.



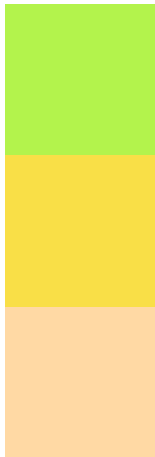
This preview shows how white text looks on a background with the XYZ color 51.9455, 74.2067,



# 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**

51.9455, 74.2067, 18.4230

**Protanopia**

66.5919, 73.3700, 16.6133

**Deuteranopia**

72.7537, 73.5660, 45.4871



## Tritanopia

67.7699, 73.8101, 97.0611

# Trichromacy



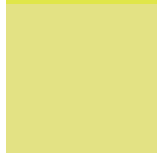
## Original Color

51.9455, 74.2067, 18.4230



## Protanomaly

60.2399, 72.9220, 17.2037



## Deuteranomaly

63.0398, 72.3895, 32.4798



## Tritanomaly

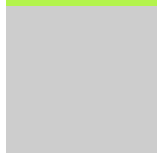
59.5289, 72.9450, 56.2897

# Monochromacy



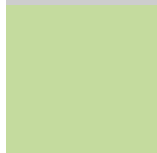
## Original Color

51.9455, 74.2067, 18.4230



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.2680, 64.8674, 42.0082

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9455, 74.2067, 18.4230 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(179, 243, 76)` looks like.

```
.text, #text, p{  
    color:rgb(179, 243, 76)  
}
```

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(179, 243, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 243, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9455, 74.2067, 18.4230 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(179, 243, 76) }
```



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

```
.border{ border-color:rgb(179, 243, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 243, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 243, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 243, 76);  
box-shadow:4px 4px 4px 4px rgb(179, 243,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9455, 74.2067, 18.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 243, 76) }
```

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

```
.background{ background-color: rgb(179,  
243, 76) }
```

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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