

# Converting Colors

XYZ(55.3967, 72.8841, 11.7843)

Have a look what the booklet for  
XYZ(55.3967, 72.8841, 11.7843)  
contains.

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# Color

**XYZ(55.5666, 73.1597,  
11.8087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">CEEC13</a>
RGB	<a href="#">206, 236, 19</a>
RGB Percent	<a href="#">81%, 93%, 7%</a>
CMY	<a href="#">0.1922, 0.0745, 0.9254</a>
CMYK	<a href="#">0.13, 0.00, 0.92, 0.07</a>
HSL	<a href="#">68°, 85%, 50%</a>
HSV	<a href="#">68°, 92%, 93%</a>
XYZ	<a href="#">55.5666, 73.1597, 11.8087</a>
YIQ	<a href="#">202.2920, 51.7770, -73.8470</a>

# Conversions

## Conversions Part 2

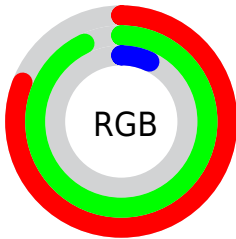
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 236, 49
Decimal	13560851
CIE <sub>Lab</sub>	88.52, -32.45, 84.84
CIE <sub>LCh</sub>	89, 90.831, 110.933
Yxy	73.1597, 0.3954, 0.5206
Android (android.graphics.Color)	4291750931 (0xFFCEEC13)
YUV	202.2920, -90.3630, 3.2519
Hunter-Lab	85.5334, -33.7214, 51.6879

# Details

The XYZ color **55.5666, 73.1597, 11.8087** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **16.6424, 7.1767, 79.8694**, and the grayscale version is **56.8492, 59.8098, 65.1329**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **28.3539, 38.8456, 6.0035** is the 20% darker color. If you saturate the color by 10%, you get **54.7263, 72.7426, 11.1563**, and if you desaturate by 10%, it is **56.7953, 73.7596, 13.4930**.

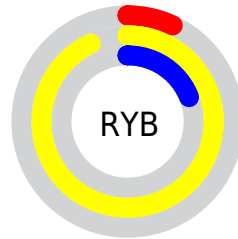
# Distribution



Red (81%)

Green (93%)

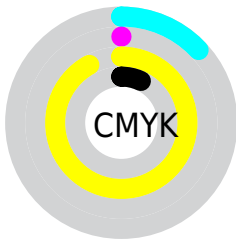
Blue (7%)



Red (7%)

Yellow (93%)

Blue (19%)

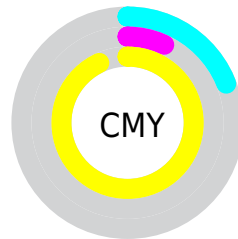


Cyan (13%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (19%)

Magenta (7%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5666, 73.1597, 11.8087 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 55.5666, 73.1597, 11.8087 by changing the saturation by 10% instead.





 55.5666, 73.1597,  
11.8087


 55.5666, 73.1597,  
11.8087


398.1577,  
471.5681, 214.0675

 40.0912, 54.1066,  
6.4926


 97.5141, 123.7039,  
29.8054

 27.7942, 38.6869,  
3.0733


 124.7169,  
155.9637, 43.3230


 18.3102, 26.5162,  
1.1322


 156.5595,  
193.3946, 60.4116

 11.2740, 17.2102,  
0.0000

 193.4074,  
236.3809, 81.4897

 6.3201, 10.3845,  
0.0000

 235.6257,  
285.3070, 106.9758

 3.0832, 5.6546,  
0.0000

 283.5800,

 1.1979, 2.6362,

340.5573, 137.2884

0.0000

337.6356,  
402.5162, 172.8461

■ 0.1047, 0.9449,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.5666, 73.1597,  
11.8087

■ 55.5666, 73.1597,  
11.8087

■ 54.7263, 72.7426,  
11.1563

■ 56.7953, 73.7596,  
13.4930

■ 58.2906, 74.4657,  
16.4900

■ 60.0921, 75.2965,  
21.0002

■ 62.2314, 76.2645,  
27.1891

■ 64.7360, 77.3809,  
35.2005

■ 67.6302, 78.6554,  
45.1631

■ 70.9364, 80.0970,  
57.1936

■ 74.6751, 81.7138,  
71.3996

■ 78.8656, 83.5136,  
87.8815

# Harmonies

## Analogous

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



76.3769, 73.1597, 10.0940



55.5666, 73.1597, 11.8087



41.7272, 73.1597, 25.3078

# Triad

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



55.5666, 73.1597, 11.8087



46.2555, 73.1597, 214.5444



119.8849, 73.1597, 100.1881

# Complementary

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



55.5666, 73.1597, 11.8087



16.6424, 7.1767, 79.8694

# 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.



107.5674, 73.1597, 182.2351



55.5666, 73.1597, 11.8087



63.1165, 73.1597, 267.6243

# Square

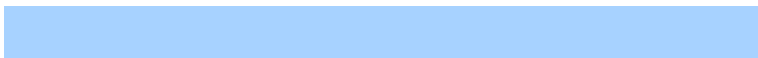
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.5666, 73.1597, 11.8087



37.1872, 73.1597, 130.9054



85.6702, 73.1597, 253.4271



116.6785, 73.1597, 43.9096



# Rectangle

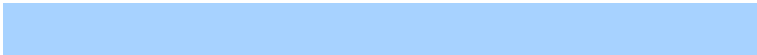
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.5666, 73.1597, 11.8087



36.8795, 73.1597, 46.4337



85.6702, 73.1597, 253.4271



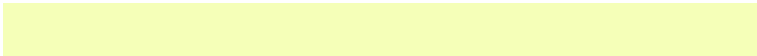
117.3410, 73.1597, 125.8406

# Sweetspot

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



55.5683, 73.1630, 11.8102



82.0701, 94.3991, 59.0232



35.7668, 19.9911, 2.5906



17.2164, 20.0522, 11.3814



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.



55.5683, 73.1630, 11.8102



65.1954, 86.6945, 13.2976



35.2150, 62.6705, 10.8577



16.1352, 17.5153, 16.0491



30.2468, 40.1373, 6.1531



2.4316, 3.1808, 0.4858



# Inverse Universe

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



16.6424, 7.1767, 79.8694



18.7521, 7.5820, 95.0829



29.1710, 13.6354, 80.4557



14.4249, 14.6488, 18.9895



8.7474, 3.5454, 43.9663



0.7480, 0.3099, 3.4553



# Previews

## White Background



This preview shows how the XYZ color 55.5666, 73.1597, 11.8087 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 55.5666, 73.1597, 11.8087 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 55.5666, 73.1597, 11.8087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5666, 73.1597, 11.8087.



This preview shows how white text looks on a background with the XYZ color 55.5666, 73.1597,



# 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

55.5666, 73.1597, 11.8087

### Protanopia

65.6060, 72.5907, 10.8702

### Deuteranopia

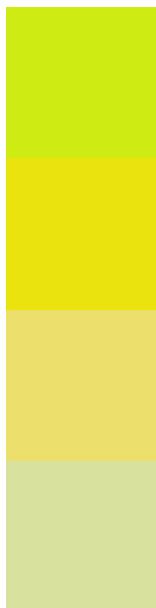
71.9674, 72.8404, 42.6143



## Tritanopia

71.3580, 72.6248, 90.3778

# Trichromacy



## Original Color

55.5666, 73.1597, 11.8087

## Protanomaly

61.4800, 72.4623, 11.1617

## Deuteranomaly

63.9666, 71.8414, 24.4053

## Tritanomaly

61.7120, 71.0708, 42.8132

# Monochromacy



## Original Color

55.5666, 73.1597, 11.8087

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

53.0483, 62.5389, 32.1969

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5666, 73.1597, 11.8087 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(206, 236, 19)` looks like.

```
.text, #text, p{  
    color:rgb(206, 236, 19)  
}
```

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(206, 236, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 236, 19) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5666, 73.1597, 11.8087 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(206, 236, 19) }
```



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

```
.border{ border-color:rgb(206, 236, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 236, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 236, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 236, 19);  
box-shadow:4px 4px 4px 4px rgb(206, 236,  
19) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5666, 73.1597, 11.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 236, 19) }
```

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

```
.background{ background-color: rgb(206,  
236, 19) }
```

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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