

Converting Colors

XYZ(55.8869, 72.8977, 11.9598)

Have a look what the booklet for
XYZ(55.8869, 72.8977, 11.9598)
contains.

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Color

**XYZ(55.8754, 72.8884,
11.9345)**

Conversions

Conversions Part 1

Format	Color
Hex	D0EB17
RGB	208, 235, 23
RGB Percent	82%, 92%, 9%
CMY	0.1843, 0.0784, 0.9097
CMYK	0.11, 0.00, 0.90, 0.08
HSL	68°, 84%, 51%
HSV	68°, 90%, 92%
XYZ	55.8754, 72.8884, 11.9345
YIQ	202.7590, 51.9600, -71.6560

Conversions

Conversions Part 2

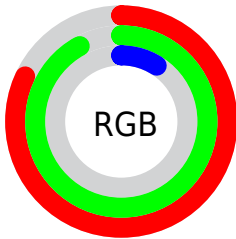
Format	Color
R_{YB}	23, 235, 50
Decimal	13691671
CIE _{Lab}	88.39, -31.12, 84.28
CIE _{LCh}	88, 89.838, 110.268
Yxy	72.8884, 0.3971, 0.5180
Android (android.graphics.Color)	4291881751 (0xFFD0EB17)
YUV	202.7590, -88.6212, 4.5964
Hunter-Lab	85.3747, -32.5824, 51.4742

Details

The XYZ color **55.8754, 72.8884, 11.9345** 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 **16.6196, 7.2907, 79.1330**, and the grayscale version is **57.1321, 60.1074, 65.4569**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **28.5145, 38.6298, 5.9534** is the 20% darker color. If you saturate the color by 10%, you get **54.9053, 72.4087, 11.0825**, and if you desaturate by 10%, it is **57.0754, 73.4693, 13.8114**.

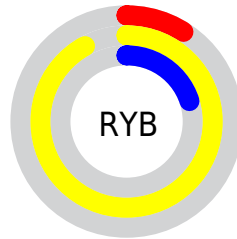
Distribution



Red (82%)

Green (92%)

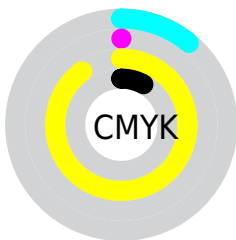
Blue (9%)



Red (9%)

Yellow (92%)

Blue (20%)

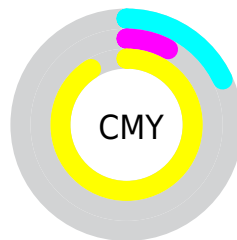


Cyan (11%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (18%)


Magenta (8%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8754, 72.8884, 11.9345 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 55.8754, 72.8884, 11.9345 by changing the saturation by 10% instead.


 55.8754, 72.8884,
11.9345


 55.8754, 72.8884,
11.9345

399.3044,
470.6279, 214.9337

 40.3396, 53.8847,
6.5771


 97.9632, 123.3188,
30.0384


 27.9888, 38.5095,
3.1247


 125.2460,
155.5142, 43.6219


 18.4577, 26.3784,
1.1586


 157.1752,
192.8758, 60.7846

 11.3807, 17.1069,
0.0000

 194.1161,
235.7877, 81.9449

 6.3927, 10.3107,
0.0000

 236.4342,
284.6345, 107.5214

 3.1282, 5.6055,
0.0000

 284.4947,

 1.2219, 2.6067,

339.8006, 137.9327

0.0000

338.6629,
401.6702, 173.5973

■ 0.1236, 0.9300,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.8754, 72.8884,
11.9345

■ 55.8754, 72.8884,
11.9345

■ 54.9053, 72.4087,
11.0825

■ 57.0754, 73.4693,
13.8114

■ 58.5439, 74.1566,
17.0255

■ 60.3185, 74.9684,
21.7682

■ 62.4297, 75.9166,
28.1987

64.9039, 77.0119,
36.4566

67.7651, 78.2638,
46.6668

71.0348, 79.6811,
58.9431

74.7333, 81.2718,
73.3908

78.8791, 83.0433,
90.1079

Harmonies

Analogous

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



76.5320, 72.8884, 10.4076



55.8754, 72.8884, 11.9345



42.0161, 72.8884, 25.0598

Triad

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



55.8754, 72.8884, 11.9345



45.9958, 72.8884, 210.3224



118.7511, 72.8884, 101.1943

Complementary

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



55.8754, 72.8884, 11.9345



16.6196, 7.2907, 79.1330

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.



106.3395, 72.8884, 182.1358



55.8754, 72.8884, 11.9345



62.4979, 72.8884, 263.5586

Square

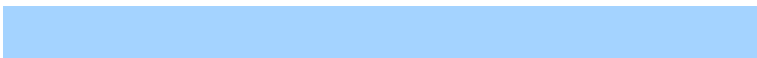
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.8754, 72.8884, 11.9345



37.1881, 72.8884, 128.0572



84.6693, 72.8884, 251.1861



115.9490, 72.8884, 44.9044

Rectangle

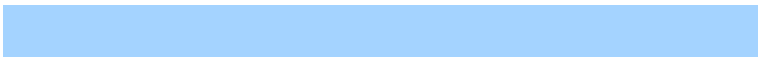
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8754, 72.8884, 11.9345



37.1006, 72.8884, 45.6223



84.6693, 72.8884, 251.1861



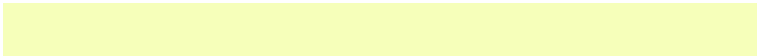
116.1361, 72.8884, 126.6265

Sweetspot

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



55.8771, 72.8917, 11.9360



82.7252, 94.7058, 60.4580



35.4645, 19.8186, 2.7677



17.4311, 20.1511, 11.9235



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.



55.8771, 72.8917, 11.9360



66.0419, 87.1309, 13.3372



35.6063, 62.4418, 10.9874



16.1522, 17.5240, 16.0499



30.6316, 40.3357, 6.1711



2.4581, 3.1945, 0.4871

Inverse Universe

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



16.6196, 7.2907, 79.1330



18.6609, 7.5349, 95.0786



28.5807, 13.4569, 79.6928



14.4095, 14.6409, 18.9888



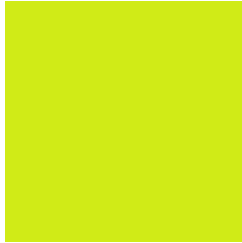
8.7005, 3.5212, 43.9641



0.7407, 0.3062, 3.4549

Previews

White Background



This preview shows how the XYZ color 55.8754, 72.8884, 11.9345 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 55.8754, 72.8884, 11.9345 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 55.8754, 72.8884, 11.9345

Background



This preview shows how black text looks on a background with the XYZ color 55.8754, 72.8884, 11.9345.



This preview shows how white text looks on a background with the XYZ color 55.8754, 72.8884,

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

55.8754, 72.8884, 11.9345

Protanopia

65.6468, 72.6070, 11.0849

Deuteranopia

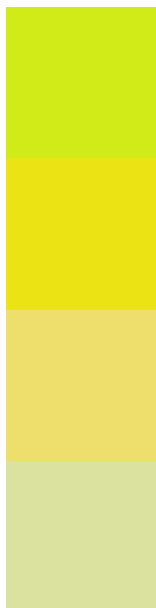
71.5412, 72.2612, 41.6297



Tritanopia

71.8359, 72.8879, 89.6395

Trichromacy



Original Color

55.8754, 72.8884, 11.9345

Protanomaly

61.8476, 72.6474, 11.3787

Deuteranomaly

64.0879, 71.5024, 24.6109

Tritanomaly

62.3966, 71.4137, 43.2965

Monochromacy



Original Color

55.8754, 72.8884, 11.9345

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.0647, 63.4150, 33.4356

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8754, 72.8884, 11.9345 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(208, 235, 23)` looks like.

```
.text, #text, p{  
    color:rgb(208, 235, 23)  
}
```

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(208, 235, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 235, 23) }
```

Border

The CSS property to change the border of an element to XYZ 55.8754, 72.8884, 11.9345 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(208, 235, 23) }
```


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

```
.border{ border-color:rgb(208, 235, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 235, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 235, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 235, 23);  
box-shadow:4px 4px 4px 4px rgb(208, 235,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8754, 72.8884, 11.9345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 235, 23) }
```

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

```
.background{ background-color: rgb(208,  
235, 23) }
```

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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