

# Converting Colors

XYZ(55.4713, 72.5281, 11.0757)

Have a look what the booklet for  
XYZ(55.4713, 72.5281, 11.0757)  
contains.

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# Color

**XYZ(55.7208, 72.8266,  
11.1201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EB00
RGB	208, 235, 0
RGB Percent	82%, 92%, 0%
CMY	0.1843, 0.0784, 0.9999
CMYK	0.11, 0.00, 1.00, 0.08
HSL	67°, 100%, 46%
HSV	67°, 100%, 92%
XYZ	55.7208, 72.8266, 11.1201
YIQ	200.1370, 59.3430, -78.8090

# Conversions

## Conversions Part 2

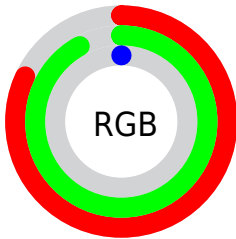
Format	Color
<a href="#">RYB</a>	<a href="#">0, 235, 27</a>
Decimal	<a href="#">13691648</a>
CIELab	<a href="#">88.36, -31.38, 86.45</a>
CIELCh	<a href="#">88, 91.973, 109.949</a>
Yxy	<a href="#">72.8266, 0.3990, 0.5214</a>
Android (android.graphics.Color)	<a href="#">4291881728 (0xFFD0EB00)</a>
YUV	<a href="#">200.1370, -98.6675, 6.8959</a>
Hunter-Lab	<a href="#">85.3385, -32.7928, 52.0111</a>

# Details

The XYZ color **55.7208, 72.8266, 11.1201** 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 **15.4496, 6.2327, 78.9905**, and the grayscale version is **55.5519, 58.4449, 63.6465**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **28.5145, 38.6298, 5.9534** is the 20% darker color. If you saturate the color by 10%, you get **55.7212, 72.8293, 11.1206**, and if you desaturate by 10%, it is **56.6483, 73.2888, 11.9993**.

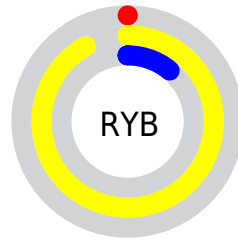
# Distribution



Red (82%)

Green (92%)

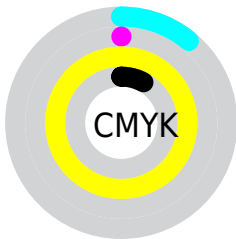
Blue (0%)



Red (0%)

Yellow (92%)

Blue (11%)

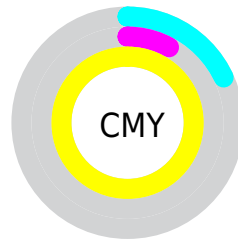


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (18%)

Magenta (8%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.7208, 72.8266, 11.1201 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 55.7208, 72.8266, 11.1201 by changing the saturation by 10% instead.





 55.7208, 72.8266,  
11.1201


 55.7208, 72.8266,  
11.1201


398.7306,  
470.4136, 209.2566

 40.2152, 53.8342,  
6.0325


 97.7384, 123.2310,  
28.5221


 27.8914, 38.4691,  
2.7957


 124.9812,  
155.4118, 41.6735


 18.3838, 26.3470,  
0.9913


 156.8671,  
192.7575, 58.3500

 11.3273, 17.0834,  
0.0000

 193.7614,  
235.6525, 78.9700

 6.3563, 10.2940,  
0.0000

 236.0296,  
284.4813, 103.9522

 3.1056, 5.5943,  
0.0000

 284.0369,

 1.2099, 2.6000,

339.6281, 133.7149

0.0000

338.1488,  
401.4774, 168.6769

■ 0.1141, 0.9267,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.7208, 72.8266,  
11.1201

■ 55.7208, 72.8266,  
11.1201

■ 55.7212, 72.8293,  
11.1206

■ 56.6483, 73.2888,  
11.9993

■ 57.7810, 73.8318,  
13.8984

■ 59.1816, 74.4836,  
17.1406

■ 60.8863, 75.2584,  
21.9150

■ 62.9251, 76.1685,  
28.3805

■ 65.3246, 77.2244,  
36.6760

■ 68.1085, 78.4355,  
46.9262

■ 71.2984, 79.8106,  
59.2448

■ 74.9144, 81.3577,  
73.7369

# Harmonies

## Analogous

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



76.8963, 72.8266, 9.7178



55.7208, 72.8266, 11.1201



41.5411, 72.8266, 23.9676

# Triad

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



55.7208, 72.8266, 11.1201



45.3369, 72.8266, 213.5372



120.0048, 72.8266, 102.4646

# Complementary

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



55.7208, 72.8266, 11.1201



15.4496, 6.2327, 78.9905

# 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.



107.0703, 72.8266, 186.0890



55.7208, 72.8266, 11.1201



62.0714, 72.8266, 269.3863

# Square

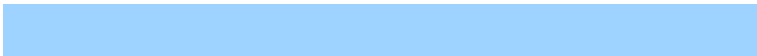
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.7208, 72.8266, 11.1201



36.4894, 72.8266, 128.4371



84.7392, 72.8266, 257.2999



117.2892, 72.8266, 44.6242



# Rectangle

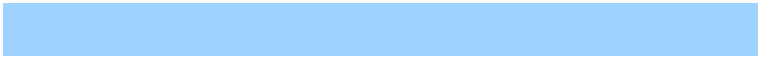
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.7208, 72.8266, 11.1201



36.5061, 72.8266, 44.4869



84.7392, 72.8266, 257.2999



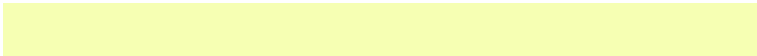
117.2528, 72.8266, 128.7153

# Sweetspot

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



55.7225, 72.8299, 11.1216



81.9251, 94.3849, 56.2834



34.5801, 18.2973, 1.7101



17.2198, 20.0653, 10.8685



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.



55.7225, 72.8299, 11.1216



67.0275, 87.6390, 13.3833



34.3285, 61.8009, 10.1204



16.1716, 17.5340, 16.0508



31.0795, 40.5665, 6.1921



2.4889, 3.2104, 0.4885



# Inverse Universe

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



15.4496, 6.2327, 78.9905



18.5654, 7.4857, 95.0741



25.9839, 11.6633, 79.4835



14.3920, 14.6318, 18.9879



8.6508, 3.4956, 43.9617

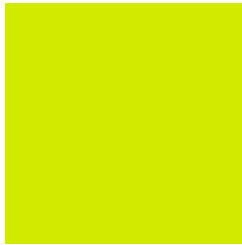


0.7324, 0.3018, 3.4545



# Previews

## White Background



This preview shows how the XYZ color 55.7208, 72.8266, 11.1201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

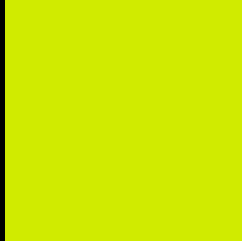
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.7208, 72.8266, 11.1201 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 55.7208, 72.8266, 11.1201

## Background



This preview shows how black text looks on a background with the XYZ color 55.7208, 72.8266, 11.1201.



This preview shows how white text looks on a background with the XYZ color 55.7208, 72.8266,



# 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

55.7208, 72.8266, 11.1201

### Protanopia

65.5456, 72.5665, 10.5521

### Deuteranopia

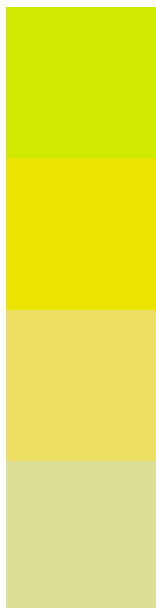
71.5412, 72.2612, 41.6297



## Tritanopia

71.5758, 72.3677, 89.5528

# Trichromacy



## Original Color

55.7208, 72.8266, 11.1201

## Protanomaly

61.7300, 72.6003, 10.7597

## Deuteranomaly

63.6333, 71.3205, 22.2168

## Tritanomaly

61.3741, 70.5734, 39.2414

# Monochromacy



## Original Color

55.7208, 72.8266, 11.1201

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

52.2536, 61.8173, 29.2565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.7208, 72.8266, 11.1201 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 235, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 235, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 55.7208, 72.8266, 11.1201 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, 0) }
```



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

```
.border{ border-color:rgb(208, 235, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 235,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.7208, 72.8266, 11.1201 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, 0) }
```

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

```
.background{ background-color: rgb(208,  
235, 0) }
```

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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