

# Converting Colors

XYZ(55.8566, 73.1628, 11.1779)

Have a look what the booklet for  
XYZ(55.8566, 73.1628, 11.1779)  
contains.

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# Color

**XYZ(56.0079, 73.4008,  
11.2158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0EC00
RGB	208, 236, 0
RGB Percent	82%, 93%, 0%
CMY	0.1843, 0.0745, 0.9999
CMYK	0.12, 0.00, 1.00, 0.07
HSL	67°, 100%, 46%
HSV	67°, 100%, 93%
XYZ	56.0079, 73.4008, 11.2158
YIQ	200.7240, 59.0680, -79.3320

# Conversions

## Conversions Part 2

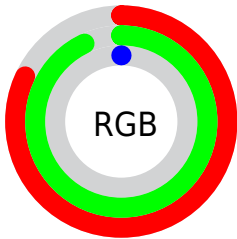
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 236, 28
Decimal	13691904
CIELab	88.64, -31.84, 86.66
CIELCh	89, 92.323, 110.176
Yxy	73.4008, 0.3983, 0.5220
Android (android.graphics.Color)	4291881984 (0xFFD0EC00)
YUV	200.7240, -98.9569, 6.3811
Hunter-Lab	85.6743, -33.2390, 52.2102

# Details

The XYZ color **56.0079, 73.4008, 11.2158** 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 **15.6215, 6.3046, 79.7549**, and the grayscale version is **55.9183, 58.8304, 64.0663**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **28.7157, 39.0321, 6.0205** is the 20% darker color. If you saturate the color by 10%, you get **56.0083, 73.4035, 11.2163**, and if you desaturate by 10%, it is **56.9650, 73.8781, 12.1018**.

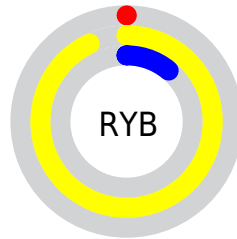
# Distribution



Red (82%)

Green (93%)

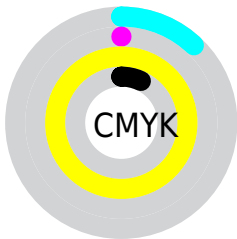
Blue (0%)



Red (0%)

Yellow (93%)

Blue (11%)

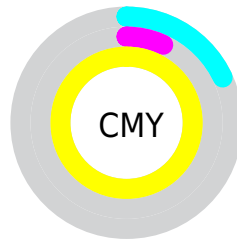


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (18%)

Magenta (7%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0079, 73.4008, 11.2158 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 56.0079, 73.4008, 11.2158 by changing the saturation by 10% instead.



■ 56.0079, 73.4008,  
11.2158

■ 56.0079, 73.4008,  
11.2158

399.7958,  
472.4027, 209.9324

■ 40.4463, 54.3038,  
6.0962

■ 98.1559, 124.0460,  
28.7013

■ 28.0724, 38.8446,  
2.8339

■ 125.4729,  
156.3630, 41.9042

■ 18.5210, 26.6388,  
1.0105

■ 157.4392,  
193.8554, 58.6386

■ 11.4266, 17.3022,  
0.0000

■ 194.4200,  
236.9076, 79.3231

■ 6.4240, 10.4502,  
0.0000

■ 236.7807,  
285.9041, 104.3762

■ 3.1476, 5.6984,  
0.0000

■ 284.8867,

■ 1.2323, 2.6626,

341.2292, 134.2164

0.0000

339.1033,  
403.2673, 169.2623

■ 0.1317, 0.9582,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.0079, 73.4008,  
11.2158

■ 56.0079, 73.4008,  
11.2158

■ 56.0083, 73.4035,  
11.2163

■ 56.9650, 73.8781,  
12.1018

■ 58.1303, 74.4377,  
14.0182

■ 59.5671, 75.1074,  
17.2910

■ 61.3118, 75.9019,  
22.1113

■ 63.3948, 76.8334,  
28.6396

■ 65.8431, 77.9127,  
37.0164

■ 68.6804, 79.1492,  
47.3677

■ 71.9289, 80.5518,  
59.8083

■ 75.6085, 82.1286,  
74.4445

# Harmonies

## Analogous

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



77.3336, 73.4008, 9.7387



56.0079, 73.4008, 11.2158



41.7640, 73.4008, 24.2819

# Triad

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



56.0079, 73.4008, 11.2158



45.7676, 73.4008, 216.0384



121.0651, 73.4008, 102.7377

# Complementary

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



56.0079, 73.4008, 11.2158



15.6215, 6.3046, 79.7549

# 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.



108.1117, 73.4008, 187.0659



56.0079, 73.4008, 11.2158



62.7075, 73.4008, 272.0222

# Square

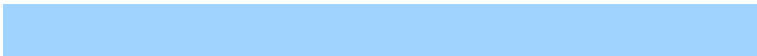
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.0079, 73.4008, 11.2158



36.7838, 73.4008, 130.1465



85.6089, 73.4008, 259.2634



118.1992, 73.4008, 44.6332



# Rectangle

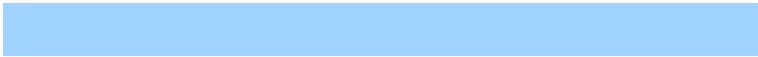
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.0079, 73.4008, 11.2158



36.7253, 73.4008, 45.1140



85.6089, 73.4008, 259.2634



118.3269, 73.4008, 129.1711

# Sweetspot

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



56.0096, 73.4042, 11.2173



81.8244, 94.3330, 56.2786



34.9991, 18.6438, 1.7549



17.1954, 20.0527, 10.8673



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.



56.0096, 73.4042, 11.2173



66.7289, 87.4851, 13.3693



34.2615, 62.1926, 10.1995



16.1657, 17.5310, 16.0505



30.9439, 40.4966, 6.1857



2.4796, 3.2056, 0.4881



# Inverse Universe

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



15.6215, 6.3046, 79.7549



18.5932, 7.5000, 95.0754



26.9156, 12.1269, 80.2835



14.3972, 14.6345, 18.9882



8.6653, 3.5031, 43.9624

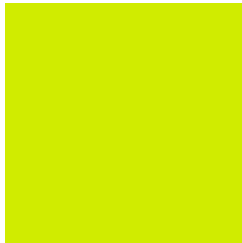


0.7349, 0.3031, 3.4547



# Previews

## White Background



This preview shows how the XYZ color 56.0079, 73.4008, 11.2158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

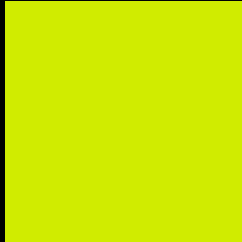
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.0079, 73.4008, 11.2158 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 56.0079, 73.4008, 11.2158**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.0079, 73.4008, 11.2158.



This preview shows how white text looks on a background with the XYZ color 56.0079, 73.4008,



# 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

56.0079, 73.4008, 11.2158

### Protanopia

66.1713, 73.2846, 10.6577

### Deuteranopia

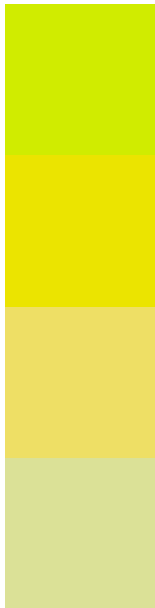
72.0539, 72.8749, 43.0695



## Tritanopia

71.9816, 72.9462, 90.4070

# Trichromacy



## Original Color

56.0079, 73.4008, 11.2158

## Protanomaly

62.0044, 73.1490, 10.8512

## Deuteranomaly

63.9965, 71.8921, 22.8155

## Tritanomaly

61.7245, 71.1449, 39.7573

# Monochromacy



## Original Color

56.0079, 73.4008, 11.2158

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

52.8447, 62.4890, 29.6984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0079, 73.4008, 11.2158 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, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 236, 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, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 236, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0079, 73.4008, 11.2158 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, 236, 0) }
```



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

```
.border{ border-color:rgb(208, 236, 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, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 236,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0079, 73.4008, 11.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 236, 0) }
```

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

```
.background{ background-color: rgb(208,  
236, 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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