

# Converting Colors

XYZ(68.0062, 88.1248, 14.2754)

Have a look what the booklet for  
XYZ(68.0062, 88.1248, 14.2754)  
contains.

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# Color

**XYZ(67.9198, 88.0799,  
14.2855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FF18
RGB	228, 255, 24
RGB Percent	89%, 100%, 9%
CMY	0.1059, 0.0000, 0.9058
CMYK	0.11, 0.00, 0.91, 0.00
HSL	67°, 100%, 55%
HSV	67°, 91%, 100%
XYZ	67.9198, 88.0799, 14.2855
YIQ	220.5930, 58.0590, -77.5650

# Conversions

## Conversions Part 2

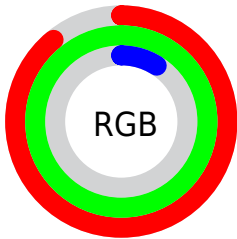
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	24, 255, 51
Decimal	15007512
CIE Lab	95.19, -32.27, 90.09
CIE LCh	95, 95.694, 109.709
Yxy	88.0799, 0.3989, 0.5172
Android (android.graphics.Color)	4293197592 (0xFFE4FF18)
YUV	220.5930, -96.9203, 6.4959
Hunter-Lab	93.8509, -35.0588, 56.6708

# Details

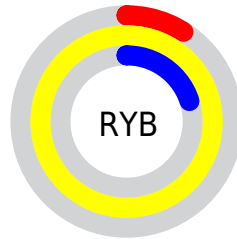
The XYZ color **67.9198, 88.0799, 14.2855** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **19.7434, 8.5785, 95.2230**, and the grayscale version is **69.0723, 72.6694, 79.1370**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **36.3425, 48.7130, 7.4871** is the 20% darker color. If you saturate the color by 10%, you get **66.8710, 87.5583, 13.3760**, and if you desaturate by 10%, it is **69.2740, 88.7318, 16.4395**.

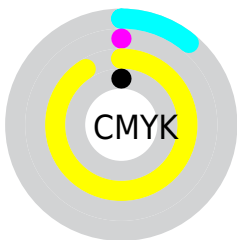
# Distribution



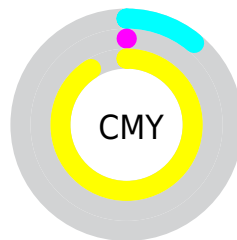
- Red (89%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (20%)



- Cyan (11%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9198, 88.0799, 14.2855 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 67.9198, 88.0799, 14.2855 by changing the saturation by 10% instead.



67.9198, 88.0799,  
14.2855

67.9198, 88.0799,  
14.2855

442.5930,  
521.7649, 230.4896

50.1059, 66.3892,  
8.1785

115.2799,  
144.6684, 34.3191

35.7157, 48.5884,  
4.1200

145.5569,  
180.3350, 49.0829

24.3838, 34.2931,  
1.6914

180.7190,  
221.4291, 67.5692

15.7448, 23.1189,  
0.3548

221.1315,  
268.3350, 90.1968

9.4335, 14.6813,  
0.0000

267.1598,  
321.4371, 117.3840

5.0844, 8.5960,  
0.0000

319.1692,

2.3321, 4.4786,

381.1199, 149.5496

0.0000

377.5252,  
447.7677, 187.1119

■ 0.8110, 1.9447,  
0.0000

■ 0.0000, 0.5751,  
0.0000

■ 67.9198, 88.0799,  
14.2855

■ 67.9198, 88.0799,  
14.2855

■ 66.8710, 87.5583,  
13.3760


■ 69.2740, 88.7318,  
16.4395


■ 70.9496, 89.5141,  
20.1989

■ 72.9912, 90.4448,  
25.7997

■ 75.4362, 91.5387,  
33.4385

 78.3172, 92.8089,  
43.2866

 81.6634, 94.2671,  
55.4971

 85.5014, 95.9240,  
70.2098

 89.8557, 97.7893,  
87.5533

94.7491, 99.8723,  
107.6476

# Harmonies

## Analogous

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



92.9992, 88.0799, 12.6385



67.9198, 88.0799, 14.2855



50.9980, 88.0799, 29.7862

# Triad

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



67.9198, 88.0799, 14.2855



55.2967, 88.0799, 252.4435



143.3821, 88.0799, 123.9167

# Complementary

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



67.9198, 88.0799, 14.2855



19.7434, 8.5785, 95.2230

# 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.



128.0865, 88.0799, 221.9756



67.9198, 88.0799, 14.2855



75.0745, 88.0799, 317.9588

# Square

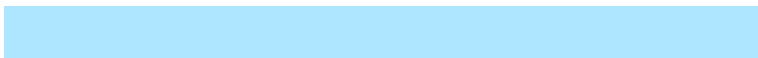
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9198, 88.0799, 14.2855



44.8274, 88.0799, 152.9444



101.7921, 88.0799, 304.5830



140.3535, 88.0799, 55.1683



# Rectangle

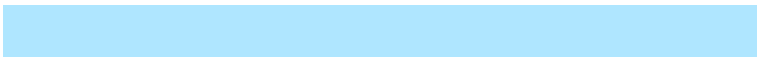
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.9198, 88.0799, 14.2855



44.9425, 88.0799, 54.2243



101.7921, 88.0799, 304.5830



140.1075, 88.0799, 154.8259

# Sweetspot

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



67.9198, 88.0799, 14.2867



82.9796, 94.8369, 60.4699



42.5875, 23.6909, 3.1935



17.4921, 20.1826, 11.9264



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.



67.9198, 88.0799, 14.2867



66.8710, 87.5583, 13.3760



42.6790, 75.0678, 13.1054



19.3398, 20.9766, 19.1739



35.0247, 45.7940, 6.9931



3.4669, 4.4880, 0.6835



# Inverse Universe

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



19.7434, 8.5785, 95.2230



18.5799, 7.4931, 95.0748



34.1991, 16.0307, 95.8995



17.2002, 17.4794, 22.7173



9.7703, 3.9473, 49.6815

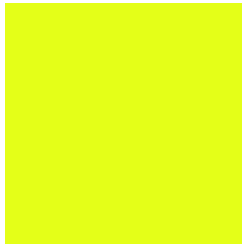


1.0116, 0.4154, 4.8401



# Previews

## White Background



This preview shows how the XYZ color 67.9198, 88.0799, 14.2855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

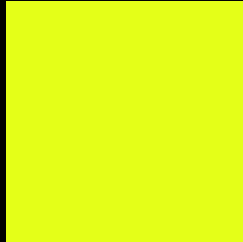
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9198, 88.0799, 14.2855 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 67.9198, 88.0799, 14.2855**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.9198, 88.0799, 14.2855.



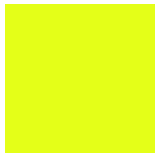
This preview shows how white text looks on a background with the XYZ color 67.9198, 88.0799,



# 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



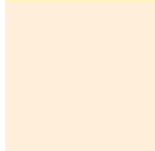
### Original Color

67.9198, 88.0799, 14.2855



### Protanopia

81.3470, 87.6313, 57.9745



### Deuteranopia

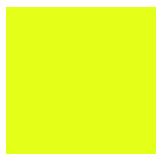
84.4694, 87.4710, 78.7612



## Tritanopia

86.6920, 87.5625, 106.9398

# Trichromacy



## Original Color

67.9198, 88.0799, 14.2855



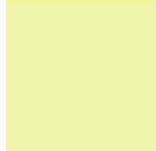
## Protanomaly

74.3779, 86.8304, 32.5785



## Deuteranomaly

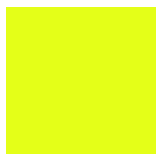
75.2733, 86.2204, 40.2786



## Tritanomaly

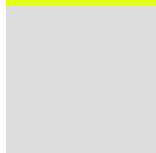
75.6365, 86.1669, 51.1735

# Monochromacy



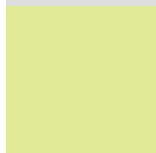
## Original Color

67.9198, 88.0799, 14.2855



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.3042, 76.2950, 39.7183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9198, 88.0799, 14.2855 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(228, 255, 24)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 24)  
}
```

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(228, 255, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9198, 88.0799, 14.2855 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(228, 255, 24) }
```



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

```
.border{ border-color:rgb(228, 255, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
24) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9198, 88.0799, 14.2855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 24) }
```

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

```
.background{ background-color: rgb(228,  
255, 24) }
```

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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