

Converting Colors

XYZ(68.2940, 88.2741, 14.2472)

Have a look what the booklet for
XYZ(68.2940, 88.2741, 14.2472)
contains.

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Color

**XYZ(68.2278, 88.2399,
14.2466)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF17
RGB	229, 255, 23
RGB Percent	90%, 100%, 9%
CMY	0.1020, 0.0000, 0.9097
CMYK	0.10, 0.00, 0.91, 0.00
HSL	67°, 100%, 55%
HSV	67°, 91%, 100%
XYZ	68.2278, 88.2399, 14.2466
YIQ	220.7780, 58.9760, -77.6640

Conversions

Conversions Part 2

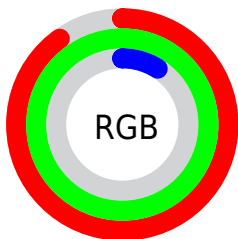
Format	Color
R _Y B	23, 255, 49
Decimal	15073047
CIE Lab	95.26, -31.89, 90.30
CIE LCh	95, 95.761, 109.450
Yxy	88.2399, 0.3997, 0.5169
Android (android.graphics.Color)	4293263127 (0xFFE5FF17)
YUV	220.7780, -97.5046, 7.2107
Hunter-Lab	93.9361, -34.7398, 56.7632

Details

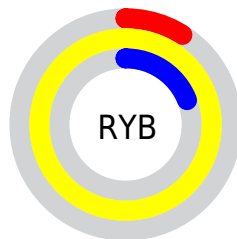
The XYZ color **68.2278, 88.2399, 14.2466** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **19.6245, 8.4872, 95.2116**, and the grayscale version is **69.2061, 72.8102, 79.2903**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **36.5563, 48.8232, 7.4971** is the 20% darker color. If you saturate the color by 10%, you get **67.2556, 87.7566, 13.3940**, and if you desaturate by 10%, it is **69.5368, 88.8697, 16.3417**.

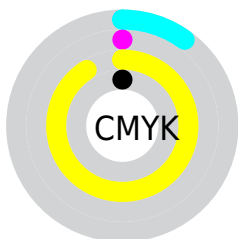
Distribution



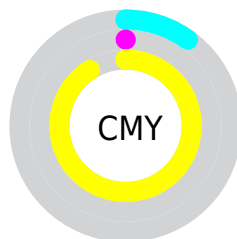
- Red (90%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (19%)



- Cyan (10%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2278, 88.2399, 14.2466 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 68.2278, 88.2399, 14.2466 by changing the saturation by 10% instead.


 68.2278, 88.2399,
14.2466

 68.2278, 88.2399,
14.2466


443.6668,
522.2885, 230.2411


 50.3574, 66.5218,
8.1517


 115.7181,
144.8911, 34.2493


 35.9164, 48.6961,
4.1030


 146.0687,
180.5930, 48.9943


 24.5395, 34.3785,
1.6820


 181.3102,
221.7248, 67.4596

 15.8612, 23.1845,
0.3484

 221.8077,
268.6712, 90.0638

 9.5162, 14.7298,
0.0000

 267.9268,
321.8163, 117.2256

 5.1392, 8.6300,
0.0000

320.0328,

 2.3647, 4.5006,

381.5446, 149.3633

0.0000

378.4910,
448.2406, 186.8957

■ 0.8275, 1.9574,
0.0000

■ 0.0000, 0.5825,
0.0000

■ 68.2278, 88.2399,
14.2466

■ 68.2278, 88.2399,
14.2466

■ 67.2556, 87.7566,
13.3940

■ 69.5368, 88.8697,
16.3417

■ 71.1639, 89.6285,
20.0317

■ 73.1541, 90.5343,
25.5547

■ 75.5450, 91.6021,
33.1086

■ 78.3694, 92.8451,
42.8652

■ 81.6565, 94.2750,
54.9786

■ 85.4331, 95.9025,
69.5887

■ 89.7238, 97.7373,
86.8248

94.5513, 99.7887,
106.8071

Harmonies

Analogous

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



93.4086, 88.2399, 12.6882



68.2278, 88.2399, 14.2466



51.1937, 88.2399, 29.6099

Triad

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



68.2278, 88.2399, 14.2466



55.2638, 88.2399, 252.1206



143.5908, 88.2399, 124.9043

Complementary

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



68.2278, 88.2399, 14.2466



19.6245, 8.4872, 95.2116

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.



128.1290, 88.2399, 223.2615



68.2278, 88.2399, 14.2466



75.0027, 88.2399, 318.3064

Square

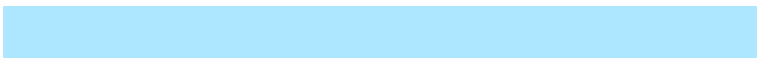
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.2278, 88.2399, 14.2466



44.8556, 88.2399, 152.3948



101.7356, 88.2399, 305.6359



140.7224, 88.2399, 55.6897

Rectangle

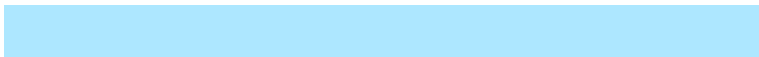
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.2278, 88.2399, 14.2466



45.0734, 88.2399, 53.9042



101.7356, 88.2399, 305.6359



140.2570, 88.2399, 155.9533

Sweetspot

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



68.2278, 88.2399, 14.2478



83.0966, 94.8972, 60.4754



42.3805, 23.2931, 3.0741



17.5201, 20.1970, 11.9277



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.



68.2278, 88.2399, 14.2478



67.2556, 87.7566, 13.3940



43.0925, 75.2821, 13.0714



19.3489, 20.9813, 19.1743



35.2228, 45.8961, 7.0024



3.4842, 4.4969, 0.6844

Inverse Universe

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



19.6245, 8.4872, 95.2116



18.5449, 7.4751, 95.0732



33.2995, 15.5369, 95.8516



17.1920, 17.4752, 22.7169



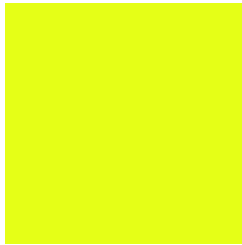
9.7501, 3.9368, 49.6806



1.0078, 0.4134, 4.8400

Previews

White Background



This preview shows how the XYZ color 68.2278, 88.2399, 14.2466 looks on a white background.

Color Contrast Check

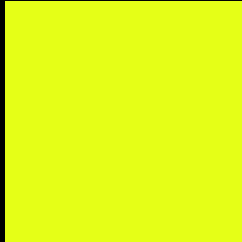
Large Text (above 18pt) WCAG AA × Fail

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 68.2278, 88.2399, 14.2466 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 68.2278, 88.2399, 14.2466

Background



This preview shows how black text looks on a background with the XYZ color 68.2278, 88.2399, 14.2466.

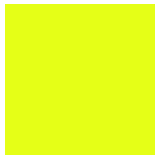


This preview shows how white text looks on a background with the XYZ color 68.2278, 88.2399,

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

68.2278, 88.2399, 14.2466



Protanopia

81.4523, 87.6734, 58.5286



Deuteranopia

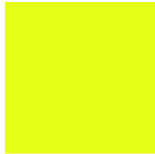
84.4694, 87.4710, 78.7612



Tritanopia

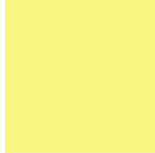
86.6920, 87.5625, 106.9398

Trichromacy



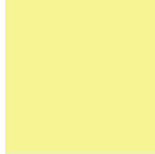
Original Color

68.2278, 88.2399, 14.2466



Protanomaly

74.7277, 87.0107, 32.5948



Deuteranomaly

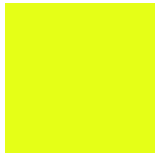
75.6232, 86.4008, 40.2950



Tritanomaly

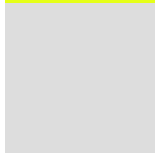
75.6365, 86.1669, 51.1735

Monochromacy



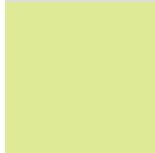
Original Color

68.2278, 88.2399, 14.2466



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 68.2278, 88.2399, 14.2466 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(229, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 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(229, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 23) }
```

Border

The CSS property to change the border of an element to XYZ 68.2278, 88.2399, 14.2466 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(229, 255, 23) }
```


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

```
.border{ border-color:rgb(229, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2278, 88.2399, 14.2466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 23) }
```

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

```
.background{ background-color: rgb(229,  
255, 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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