

Converting Colors

XYZ(68.2865, 88.2748, 14.0394)

Have a look what the booklet for
XYZ(68.2865, 88.2748, 14.0394)
contains.

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Color

**XYZ(68.1906, 88.2250,
14.0512)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF13
RGB	229, 255, 19
RGB Percent	90%, 100%, 7%
CMY	0.1020, 0.0000, 0.9254
CMYK	0.10, 0.00, 0.93, 0.00
HSL	67°, 100%, 54%
HSV	67°, 93%, 100%
XYZ	68.1906, 88.2250, 14.0512
YIQ	220.3220, 60.2600, -78.9080

Conversions

Conversions Part 2

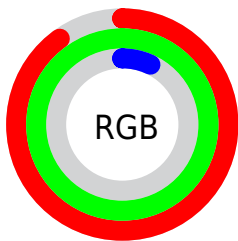
Format	Color
R _Y B	19, 255, 45
Decimal	15073043
CIE Lab	95.26, -31.94, 90.75
CIE LCh	95, 96.209, 109.390
Yxy	88.2250, 0.4000, 0.5175
Android (android.graphics.Color)	4293263123 (0xFFE5FF13)
YUV	220.3220, -99.2517, 7.6106
Hunter-Lab	93.9282, -34.7857, 56.8802

Details

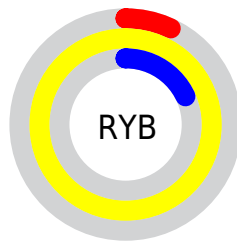
The XYZ color **68.1906, 88.2250, 14.0512** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **19.3667, 8.2451, 95.1785**, and the grayscale version is **68.8968, 72.4847, 78.9359**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **36.5563, 48.8232, 7.4971** is the 20% darker color. If you saturate the color by 10%, you get **67.4079, 87.8351, 13.4011**, and if you desaturate by 10%, it is **69.4412, 88.8297, 15.9209**.

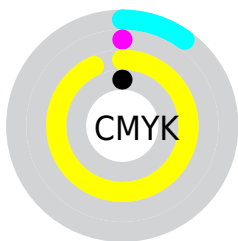
Distribution



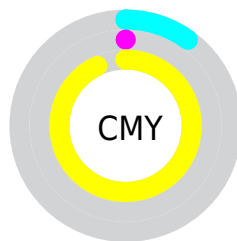
- Red (90%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (18%)



- Cyan (10%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1906, 88.2250, 14.0512 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 68.1906, 88.2250, 14.0512 by changing the saturation by 10% instead.

68.1906, 88.2250,
14.0512

68.1906, 88.2250,
14.0512

443.5372,
522.2398, 228.9886

50.3271, 66.5094,
8.0171

115.6652,
144.8704, 33.8983

35.8922, 48.6861,
4.0180

146.0069,
180.5689, 48.5484

24.5207, 34.3705,
1.6352

181.2388,
221.6973, 66.9075

15.8471, 23.1784,
0.3158

221.7261,
268.6399, 89.3943

9.5062, 14.7253,
0.0000

267.8342,
321.7810, 116.4273

5.1325, 8.6268,
0.0000

319.9286,

2.3608, 4.4986,

381.5051, 148.4250

0.0000

378.3744,
448.1966, 185.8059

■ 0.8255, 1.9562,
0.0000

■ 0.0000, 0.5818,
0.0000

■ 68.1906, 88.2250,
14.0512

■ 68.1906, 88.2250,
14.0512

■ 67.4079, 87.8351,
13.4011

■ 69.4412, 88.8297,
15.9209

■ 71.0014, 89.5598,
19.3432

■ 72.9178, 90.4342,
24.5646

■ 75.2288, 91.4681,
31.7876

■ 77.9679, 92.6749,
41.1878

■ 81.1649, 94.0666,
52.9216

■ 84.8468, 95.6540,
67.1310

■ 89.0385, 97.4470,
83.9467

■ 93.7630, 99.4550,
103.4902

Harmonies

Analogous

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



93.4953, 88.2250, 12.5205



68.1906, 88.2250, 14.0512



51.0798, 88.2250, 29.3514

Triad

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



68.1906, 88.2250, 14.0512



55.1073, 88.2250, 252.8762



143.8874, 88.2250, 125.2086

Complementary

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



68.1906, 88.2250, 14.0512



19.3667, 8.2451, 95.1785

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.



128.3016, 88.2250, 224.2026



68.1906, 88.2250, 14.0512



74.9017, 88.2250, 319.6804

Square

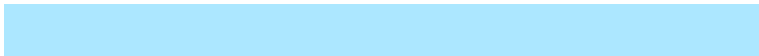
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1906, 88.2250, 14.0512



44.6890, 88.2250, 152.4839



101.7519, 88.2250, 307.0836



141.0401, 88.2250, 55.6216

Rectangle

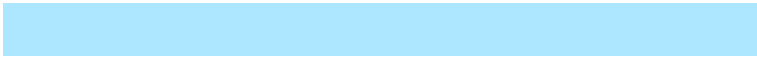
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1906, 88.2250, 14.0512



44.9310, 88.2250, 53.6369



101.7519, 88.2250, 307.0836



140.5210, 88.2250, 156.4527

Sweetspot

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



68.1906, 88.2250, 14.0524



82.7745, 94.7622, 59.0561



42.2080, 23.0076, 2.8336



17.3891, 20.1413, 11.3895



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.



68.1906, 88.2250, 14.0524



67.4079, 87.8351, 13.4011



42.7414, 75.1054, 12.8614



19.3525, 20.9831, 19.1745



35.3012, 45.9365, 7.0061



3.4911, 4.5005, 0.6847

Inverse Universe

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



19.3667, 8.2451, 95.1785



18.5316, 7.4683, 95.0725



32.9028, 15.2233, 95.8120



17.1888, 17.4735, 22.7167



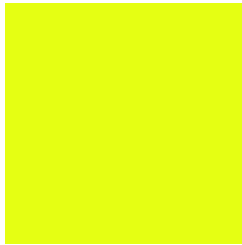
9.7423, 3.9328, 49.6802



1.0062, 0.4127, 4.8399

Previews

White Background



This preview shows how the XYZ color 68.1906, 88.2250, 14.0512 looks on a white background.

Color Contrast Check

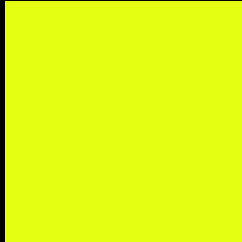
Large Text (above 18pt) WCAG AA × Fail

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 68.1906, 88.2250, 14.0512 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 68.1906, 88.2250, 14.0512

Background



This preview shows how black text looks on a background with the XYZ color 68.1906, 88.2250, 14.0512.

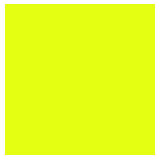


This preview shows how white text looks on a background with the XYZ color 68.1906, 88.2250,

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

68.1906, 88.2250, 14.0512



Protanopia

81.4523, 87.6734, 58.5286



Deuteranopia

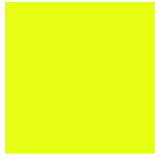
84.4694, 87.4710, 78.7612



Tritanopia

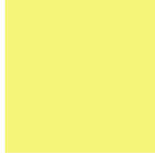
86.6920, 87.5625, 106.9398

Trichromacy



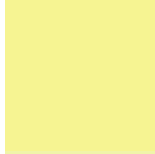
Original Color

68.1906, 88.2250, 14.0512



Protanomaly

74.6635, 86.9850, 32.2566



Deuteranomaly

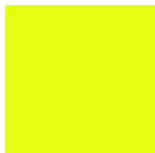
75.5450, 86.3695, 39.8835



Tritanomaly

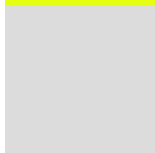
75.4473, 86.0912, 50.1769

Monochromacy



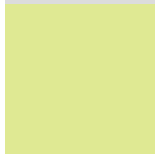
Original Color

68.1906, 88.2250, 14.0512



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.8368, 76.0724, 38.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1906, 88.2250, 14.0512 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 19) }
```

Border

The CSS property to change the border of an element to XYZ 68.1906, 88.2250, 14.0512 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, 19) }
```


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

```
.border{ border-color:rgb(229, 255, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 19);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1906, 88.2250, 14.0512 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, 19) }
```

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

```
.background{ background-color: rgb(229,  
255, 19) }
```

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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