

Converting Colors

XYZ(68.0725, 88.1777, 13.4322)

Have a look what the booklet for
XYZ(68.0725, 88.1777, 13.4322)
contains.

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Color

**XYZ(68.0731, 88.1780,
13.4322)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF00
RGB	229, 255, 0
RGB Percent	90%, 100%, 0%
CMY	0.1020, 0.0000, 0.9998
CMYK	0.10, 0.00, 1.00, 0.00
HSL	66°, 100%, 50%
HSV	66°, 100%, 100%
XYZ	68.0731, 88.1780, 13.4322
YIQ	218.1560, 66.3590, -84.8170

Conversions

Conversions Part 2

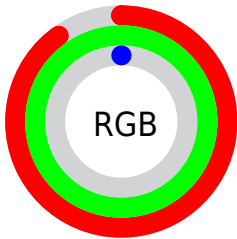
Format	Color
RYB	0, 255, 26
Decimal	15073024
CIELab	95.24, -32.11, 92.22
CIELCh	95, 97.655, 109.199
Yxy	88.1780, 0.4012, 0.5197
Android (android.graphics.Color)	4293263104 (0xFFE5FF00)
YUV	218.1560, -107.5509, 9.5102
Hunter-Lab	93.9031, -34.9307, 57.2512

Details

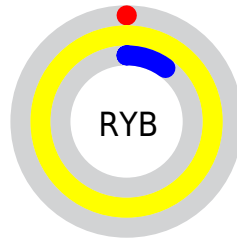
The XYZ color **68.0731, 88.1780, 13.4322** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **18.4775, 7.4410, 95.0701**, and the grayscale version is **67.4380, 70.9501, 77.2646**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **36.3425, 48.7130, 7.4871** is the 20% darker color. If you saturate the color by 10%, you get **68.0716, 88.1772, 13.4322**, and if you desaturate by 10%, it is **69.0902, 88.6814, 14.4263**.

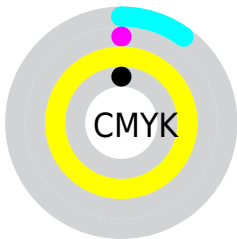
Distribution



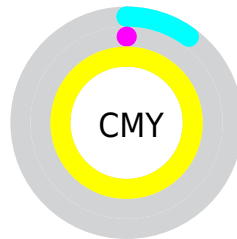
- Red (90%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (10%)



- Cyan (10%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0731, 88.1780, 13.4322 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 68.0731, 88.1780, 13.4322 by changing the saturation by 10% instead.


 68.0731, 88.1780,
13.4322


 68.0731, 88.1780,
13.4322


443.1276,
522.0860, 224.9736


 50.2311, 66.4705,
7.5926


 115.4980,
144.8049, 32.7806


 35.8156, 48.6544,
3.7514


 145.8117,
180.4932, 47.1265


 24.4613, 34.3454,
1.4900


 181.0133,
221.6104, 65.1449

 15.8027, 23.1591,
0.2104

 221.4682,
268.5411, 87.2543

 9.4746, 14.7110,
0.0000

 267.5417,
321.6696, 113.8734

 5.1116, 8.6168,
0.0000

 319.5992,

 2.3483, 4.4921,

381.3803, 145.4206

0.0000

378.0061,
448.0576, 182.3145

■ 0.8192, 1.9525,
0.0000

■ 0.0000, 0.5796,
0.0000

■ 68.0731, 88.1780,
13.4322

■ 68.0731, 88.1780,
13.4322

■ 68.0716, 88.1772,
13.4322

■ 69.0902, 88.6814,
14.4263

■ 70.3559, 89.2857,
16.6622

■ 71.9419, 90.0196,
20.5200

■ 73.8924, 90.9007,
26.2317

■ 76.2445, 91.9439,
33.9919

■ 79.0305, 93.1622,
43.9708

■ 82.2794, 94.5671,
56.3207

■ 86.0176, 96.1692,
71.1804

■ 90.2695, 97.9782,
88.6782

Harmonies

Analogous

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



93.7787, 88.1780, 11.9893



68.0731, 88.1780, 13.4322



50.7149, 88.1780, 28.5256

Triad

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



68.0731, 88.1780, 13.4322



54.6035, 88.1780, 255.3220



144.8489, 88.1780, 126.2028

Complementary

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



68.0731, 88.1780, 13.4322



18.4775, 7.4410, 95.0701

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.



128.8597, 88.1780, 227.2698



68.0731, 88.1780, 13.4322



74.5750, 88.1780, 324.1452

Square

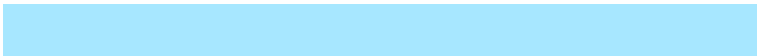
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0731, 88.1780, 13.4322



44.1541, 88.1780, 152.7662



101.8038, 88.1780, 311.7968



142.0718, 88.1780, 55.4067

Rectangle

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



68.0731, 88.1780, 13.4322



44.4745, 88.1780, 52.7769



101.8038, 88.1780, 311.7968



141.3763, 88.1780, 158.0816

Sweetspot

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



68.0731, 88.1780, 13.4334



82.2740, 94.5648, 56.2997



41.5994, 21.9785, 2.0509



17.3044, 20.1090, 10.8724



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.



68.0731, 88.1780, 13.4334



68.0716, 88.1772, 13.4322



41.2424, 74.3462, 12.1777



19.3679, 20.9911, 19.1752



35.6430, 46.1127, 7.0221



3.5209, 4.5158, 0.6861

Inverse Universe

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



18.4775, 7.4410, 95.0701



18.4761, 7.4397, 95.0699



31.1903, 13.9947, 95.6651



17.1748, 17.4664, 22.7161



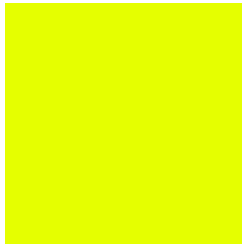
9.7100, 3.9162, 49.6787



0.9997, 0.4093, 4.8396

Previews

White Background



This preview shows how the XYZ color 68.0731, 88.1780, 13.4322 looks on a white background.

Color Contrast Check

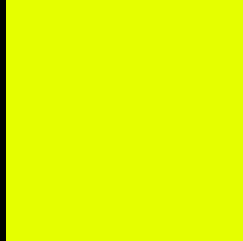
Large Text (above 18pt) WCAG AA × Fail

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 68.0731, 88.1780, 13.4322 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 68.0731, 88.1780, 13.4322

Background



This preview shows how black text looks on a background with the XYZ color 68.0731, 88.1780, 13.4322.

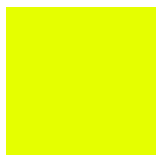


This preview shows how white text looks on a background with the XYZ color 68.0731, 88.1780,

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



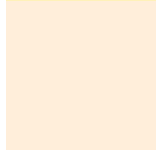
Original Color

68.0731, 88.1780, 13.4322



Protanopia

81.4523, 87.6734, 58.5286



Deuteranopia

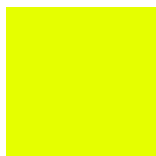
84.4694, 87.4710, 78.7612



Tritanopia

87.0456, 87.7448, 106.9564

Trichromacy



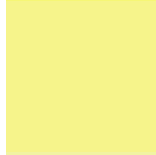
Original Color

68.0731, 88.1780, 13.4322



Protanomaly

74.2318, 86.8124, 29.9836



Deuteranomaly

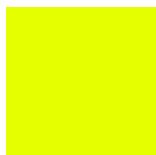
75.0169, 86.1583, 37.1025



Tritanomaly

75.1479, 86.0108, 46.8234

Monochromacy



Original Color

68.0731, 88.1780, 13.4322



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.3603, 74.5455, 35.4754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0731, 88.1780, 13.4322 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 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(229, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 68.0731, 88.1780, 13.4322 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, 0) }
```


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

```
.border{ border-color:rgb(229, 255, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0731, 88.1780, 13.4322 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, 0) }
```

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

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