

Converting Colors

XYZ(68.6472, 88.4049, 16.5780)

Have a look what the booklet for
XYZ(68.6472, 88.4049, 16.5780)
contains.

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Color

**XYZ(68.6706, 88.4170,
16.5788)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FF33
RGB	229, 255, 51
RGB Percent	90%, 100%, 20%
CMY	0.1020, 0.0000, 0.8000
CMYK	0.10, 0.00, 0.80, 0.00
HSL	68°, 100%, 60%
HSV	68°, 80%, 100%
XYZ	68.6706, 88.4170, 16.5788
YIQ	223.9700, 49.9880, -68.9560

Conversions

Conversions Part 2

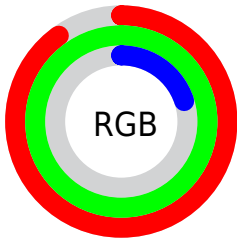
Format	Color
RYB	51, 255, 77
Decimal	15073075
CIELab	95.34, -31.24, 85.16
CIELCh	95, 90.711, 110.145
Yxy	88.4170, 0.3954, 0.5091
Android (android.graphics.Color)	4293263155 (0xFFE5FF33)
YUV	223.9700, -85.2742, 4.4113
Hunter-Lab	94.0303, -34.1940, 55.3676

Details

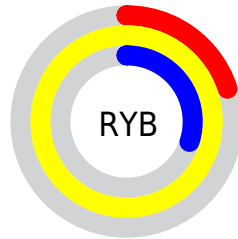
The XYZ color **68.6706, 88.4170, 16.5788** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.2957, 11.1667, 95.5880**, and the grayscale version is **71.3954, 75.1135, 81.7986**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **36.5563, 48.8232, 7.4971** is the 20% darker color. If you saturate the color by 10%, you get **67.2264, 87.7206, 14.3374**, and if you desaturate by 10%, it is **70.4421, 89.2465, 20.4444**.

Distribution



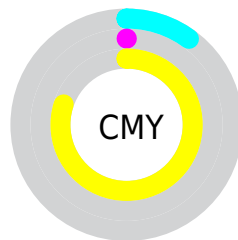
- Red (90%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (30%)



- Cyan (10%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6706, 88.4170, 16.5788 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 68.6706, 88.4170, 16.5788 by changing the saturation by 10% instead.

68.6706, 88.4170,
16.5788

68.6706, 88.4170,
16.5788

445.2079,
522.8679, 244.6945

50.7192, 66.6685,
9.7759

116.3476,
145.1376, 38.3808

36.2053, 48.8153,
5.1470

146.8039,
180.8784, 54.2170

24.7636, 34.4729,
2.2735

182.1592,
222.0521, 73.9014

16.0288, 23.2572,
0.7163

222.7788,
269.0431, 97.8524

9.6355, 14.7835,
0.0000

269.0281,
322.2358, 126.4887

5.2184, 8.6676,
0.0000

321.2725,

2.4120, 4.5250,

382.0146, 160.2288

0.0000

379.8773,
448.7638, 199.4912

■ 0.8511, 1.9714,
0.0000

■ 0.0000, 0.5908,
0.0000

■ 68.6706, 88.4170,
16.5788

■ 68.6706, 88.4170,
16.5788

■ 67.2264, 87.7206,
14.3374

■ 70.4421, 89.2465,
20.4444

■ 66.0372, 87.1285,
13.3372

■ 72.5849, 90.2268,
26.1628

■ 66.0368, 87.1283,
13.3369

■ 75.1363, 91.3729,
33.9299

■ 78.1286, 92.6975,
43.9158

■ 81.5908, 94.2124,
56.2729

■ 85.5494, 95.9282,
71.1400

■ 90.0289, 97.8547,
88.6453

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



92.4606, 88.4170, 14.6940



68.6706, 88.4170, 16.5788



52.5062, 88.4170, 32.6216

Triad

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



68.6706, 88.4170, 16.5788



57.0484, 88.4170, 243.6463



140.2761, 88.4170, 121.5700

Complementary

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



68.6706, 88.4170, 16.5788



22.2957, 11.1667, 95.5880

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.



126.1862, 88.4170, 212.8936



68.6706, 88.4170, 16.5788



76.1425, 88.4170, 303.0579

Square

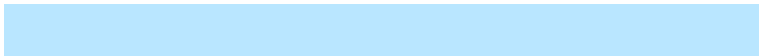
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6706, 88.4170, 16.5788



46.7680, 88.4170, 151.3396



101.5417, 88.4170, 289.6520



137.1861, 88.4170, 56.5021

Rectangle

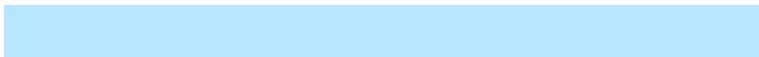
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6706, 88.4170, 16.5788



46.7121, 88.4170, 56.9590



101.5417, 88.4170, 289.6520



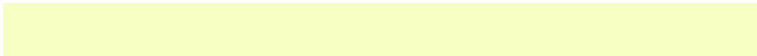
137.3007, 88.4170, 150.4624

Sweetspot

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



68.6706, 88.4170, 16.5800



83.9033, 95.2165, 64.8777



44.3409, 26.5053, 5.9121



17.6600, 20.2507, 12.7684



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.



68.6706, 88.4170, 16.5800



66.4936, 87.3573, 13.6500



45.4424, 76.4424, 15.4929



19.3200, 20.9664, 19.1730



34.5949, 45.5724, 6.9730



3.4293, 4.4686, 0.6818

Inverse Universe

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



22.2957, 11.1667, 95.5880



19.0913, 7.9212, 95.1305



37.3210, 18.9126, 96.2912



17.2181, 17.4887, 22.7181



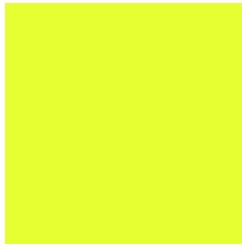
9.8172, 3.9714, 49.6837



1.0200, 0.4198, 4.8405

Previews

White Background



This preview shows how the XYZ color 68.6706, 88.4170, 16.5788 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 68.6706, 88.4170, 16.5788 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 68.6706, 88.4170, 16.5788

Background



This preview shows how black text looks on a background with the XYZ color 68.6706, 88.4170, 16.5788.

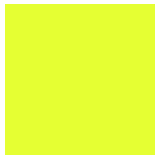


This preview shows how white text looks on a background with the XYZ color 68.6706, 88.4170,

Color Blindness Simulation

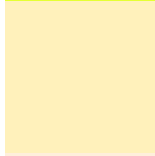
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

68.6706, 88.4170, 16.5788



Protanopia

81.6649, 87.7585, 59.6486



Deuteranopia

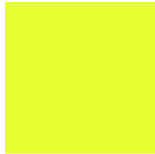
84.8927, 88.1075, 79.5500



Tritanopia

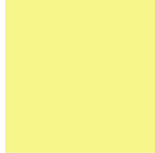
86.9823, 88.1432, 107.0366

Trichromacy



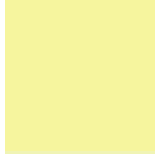
Original Color

68.6706, 88.4170, 16.5788



Protanomaly

75.5492, 87.3393, 36.9211



Deuteranomaly

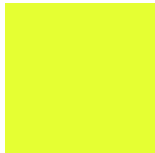
76.8300, 87.3663, 45.1618



Tritanomaly

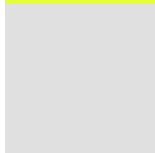
76.6264, 86.5628, 56.3857

Monochromacy



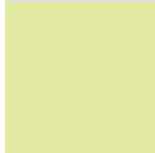
Original Color

68.6706, 88.4170, 16.5788



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.5054, 78.1586, 45.2464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6706, 88.4170, 16.5788 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 68.6706, 88.4170, 16.5788 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, 51) }
```


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

```
.border{ border-color:rgb(229, 255, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6706, 88.4170, 16.5788 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, 51) }
```

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

```
.background{ background-color: rgb(229,  
255, 51) }
```

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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