

Converting Colors

XYZ(67.5376, 87.8329, 16.5258)

Have a look what the booklet for
XYZ(67.5376, 87.8329, 16.5258)
contains.

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Color

**XYZ(67.4089, 87.7666,
16.5198)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FF33
RGB	225, 255, 51
RGB Percent	88%, 100%, 20%
CMY	0.1176, 0.0000, 0.8000
CMYK	0.12, 0.00, 0.80, 0.00
HSL	69°, 100%, 60%
HSV	69°, 80%, 100%
XYZ	67.4089, 87.7666, 16.5198
YIQ	222.7740, 47.6040, -69.8040

Conversions

Conversions Part 2

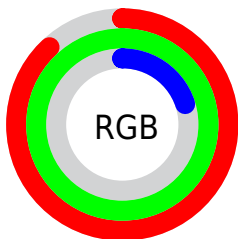
Format	Color
R_{YB}	51, 255, 81
Decimal	14810931
CIE _{Lab}	95.06, -32.83, 84.82
CIE _{LCh}	95, 90.947, 111.158
Yxy	87.7666, 0.3926, 0.5112
Android (android.graphics.Color)	4293001011 (0xFFE1FF33)
YUV	222.7740, -84.6846, 1.9522
Hunter-Lab	93.6838, -35.5095, 55.1237

Details

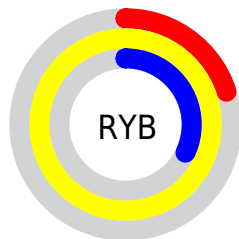
The XYZ color **67.4089, 87.7666, 16.5198** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **22.6285, 11.3384, 95.6036**, and the grayscale version is **70.5374, 74.2108, 80.8156**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **35.7111, 48.3875, 7.4575** is the 20% darker color. If you saturate the color by 10%, you get **65.8357, 87.0037, 14.2723**, and if you desaturate by 10%, it is **69.3156, 88.6658, 20.3917**.

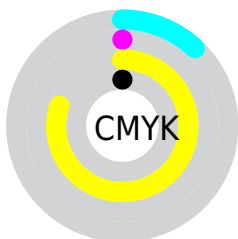
Distribution



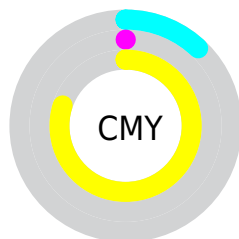
- Red (88%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (32%)



- Cyan (12%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4089, 87.7666, 16.5198 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 67.4089, 87.7666, 16.5198 by changing the saturation by 10% instead.

67.4089, 87.7666,
16.5198

67.4089, 87.7666,
16.5198

440.8085,
520.7386, 244.3393

49.6889, 66.1298,
9.7344

114.5527,
144.2322, 38.2775

35.3831, 48.3778,
5.1199

144.7072,
179.8297, 54.0870

24.1260, 34.1261,
2.2578

179.7373,
220.8496, 73.7415

15.5524, 22.9905,
0.7074

220.0083,
267.6763, 97.6596

9.2968, 14.5865,
0.0000

265.8855,
320.6942, 126.2599

4.9939, 8.5297,
0.0000

317.7344,

2.2784, 4.4357,

380.2876, 159.9609

0.0000

375.9203,
446.8409, 199.1812

■ 0.7836, 1.9202,
0.0000

■ 0.0000, 0.5605,
0.0000

■ 67.4089, 87.7666,
16.5198

■ 67.4089, 87.7666,
16.5198

■ 65.8357, 87.0037,
14.2723

■ 69.3156, 88.6658,
20.3917

■ 64.5238, 86.3483,
13.2664

■ 71.6000, 89.7191,
26.1168

■ 64.5233, 86.3480,
13.2661

■ 74.2993, 90.9414,
33.8909

■ 77.4459, 92.3456,
43.8840

■ 81.0690, 93.9434,
56.2486

■ 85.1950, 95.7455,
71.1236

■ 89.8484, 97.7616,
88.6371

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.



90.9434, 87.7666, 14.2830



67.4089, 87.7666, 16.5198



51.5977, 87.7666, 33.0768

Triad

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



67.4089, 87.7666, 16.5198



57.0125, 87.7666, 245.6873



139.7697, 87.7666, 118.0587

Complementary

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



67.4089, 87.7666, 16.5198



22.6285, 11.3384, 95.6036

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.



126.2004, 87.7666, 208.9264



67.4089, 87.7666, 16.5198



76.3225, 87.7666, 303.1288

Square

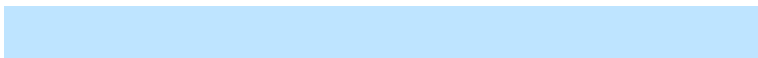
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.4089, 87.7666, 16.5198



46.4720, 87.7666, 153.6155



101.7835, 87.7666, 287.0982



136.0787, 87.7666, 54.3603

Rectangle

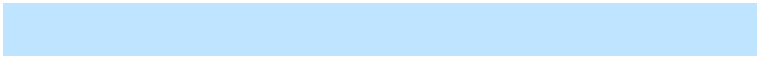
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.4089, 87.7666, 16.5198



46.0285, 87.7666, 57.9876



101.7835, 87.7666, 287.0982



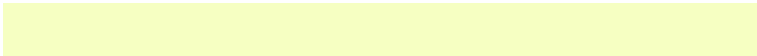
136.9912, 87.7666, 146.6295

Sweetspot

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



67.4089, 87.7665, 16.5210



83.4810, 94.9988, 64.8579



44.5770, 26.9776, 5.9909



17.5568, 20.1975, 12.7636



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.



67.4089, 87.7665, 16.5210



65.0285, 86.6020, 13.5814



44.9334, 76.1800, 15.4691



19.2832, 20.9474, 19.1713



33.8148, 45.1703, 6.9365



3.3608, 4.4333, 0.6786

Inverse Universe

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



22.6285, 11.3384, 95.6036



19.2966, 8.0270, 95.1401



38.1041, 19.3163, 96.3279



17.2516, 17.5059, 22.7197



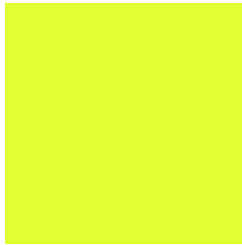
9.9139, 4.0213, 49.6882



1.0357, 0.4278, 4.8413

Previews

White Background



This preview shows how the XYZ color 67.4089, 87.7666, 16.5198 looks on a white background.

Color Contrast Check

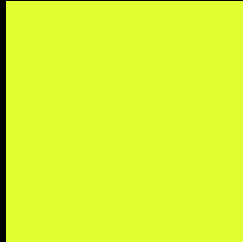
Large Text (above 18pt) WCAG AA × Fail

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 67.4089, 87.7666, 16.5198 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 67.4089, 87.7666, 16.5198

Background



This preview shows how black text looks on a background with the XYZ color 67.4089, 87.7666, 16.5198.

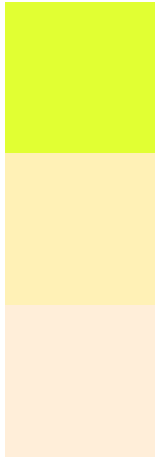


This preview shows how white text looks on a background with the XYZ color 67.4089, 87.7666,

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

67.4089, 87.7666, 16.5198

Protanopia

81.1388, 87.5480, 56.8779

Deuteranopia

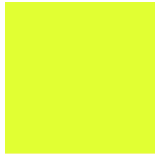
84.3389, 87.4188, 78.0740



Tritanopia

85.9328, 87.6022, 106.9875

Trichromacy



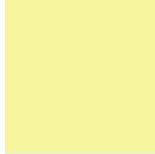
Original Color

67.4089, 87.7666, 16.5198



Protanomaly

74.5671, 86.8659, 35.3909



Deuteranomaly

75.7447, 86.3688, 44.5770



Tritanomaly

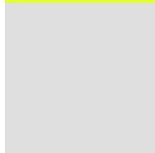
75.6162, 86.0421, 56.3384

Monochromacy



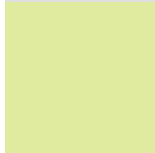
Original Color

67.4089, 87.7666, 16.5198



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.7940, 77.8020, 44.7546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4089, 87.7666, 16.5198 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(225, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 67.4089, 87.7666, 16.5198 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(225, 255, 51) }
```


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

```
.border{ border-color:rgb(225, 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(225, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4089, 87.7666, 16.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 51) }
```

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

```
.background{ background-color: rgb(225,  
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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