

Converting Colors

XYZ(70.5029, 89.0748, 29.6216)

Have a look what the booklet for
XYZ(70.5029, 89.0748, 29.6216)
contains.

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Color

**XYZ(70.5331, 89.0887,
29.6980)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FF73
RGB	227, 255, 115
RGB Percent	89%, 100%, 45%
CMY	0.1098, 0.0000, 0.5490
CMYK	0.11, 0.00, 0.55, 0.00
HSL	72°, 100%, 73%
HSV	72°, 55%, 100%
XYZ	70.5331, 89.0887, 29.6980
YIQ	230.6680, 28.2520, -49.4760

Conversions

Conversions Part 2

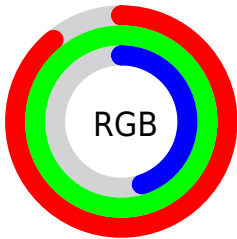
Format	Color
RYB	115, 255, 143
Decimal	14942067
CIELab	95.62, -28.43, 62.74
CIELCh	96, 68.882, 114.379
Yxy	89.0887, 0.3726, 0.4706
Android (android.graphics.Color)	4293132147 (0xFFE3FF73)
YUV	230.6680, -57.0243, -3.2168
Hunter-Lab	94.3868, -31.7880, 47.4157

Details

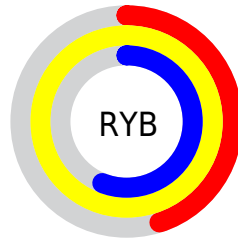
The XYZ color **70.5331, 89.0887, 29.6980** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.5096, 25.3224, 97.6239**, and the grayscale version is **76.1039, 80.0672, 87.1932**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **37.3719, 49.1494, 11.7920** is the 20% darker color. If you saturate the color by 10%, you get **67.6779, 87.7635, 22.9356**, and if you desaturate by 10%, it is **73.8421, 90.6009, 38.6021**.

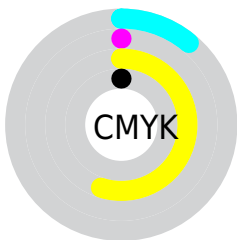
Distribution



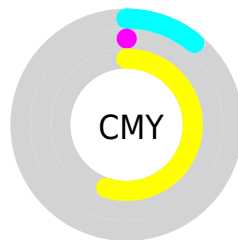
- Red (89%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (56%)



- Cyan (11%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5331, 89.0887, 29.6980 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 70.5331, 89.0887, 29.6980 by changing the saturation by 10% instead.


 70.5331, 89.0887,
29.6980

 70.5331, 89.0887,
29.6980


451.6569,
525.0620, 314.6576


 52.2424, 67.2251,
19.3594


 118.9908,
146.0719, 60.2396

 37.4234, 49.2676,
11.7508


 149.8886,
181.9603, 81.2797

 25.7107, 34.8318,
6.4538


 185.7194,
223.2923, 106.7239

 16.7388, 23.5333,
3.0497

226.8486,
270.4525, 136.9910

 10.1426, 14.9878,
1.1201

273.6416,
323.8251, 172.4993

 5.5566, 8.8108,
0.0000

326.4638,

 2.6155, 4.6180,

383.7947, 213.6675

0.0000

385.6804,
450.7455, 260.9141

■ 0.9538, 2.0249,
0.0000

■ 0.0000, 0.6219,
0.0000

■ 70.5331, 89.0887,
29.6980

■ 70.5331, 89.0887,
29.6980

■ 67.6779, 87.7635,
22.9356

■ 73.8421, 90.6009,
38.6021

■ 65.2412, 86.6112,
18.1301


■ 77.6352, 92.3123,
49.8046


■ 63.1828, 85.6156,
15.0720

■ 81.9407, 94.2343,
63.4518

■ 61.4529, 84.7568,
13.5017

■ 86.7841, 96.3770,
79.6770

 60.6614, 84.3571,
13.0854

 92.1893, 98.7502,
98.6036

95.0500, 100.0000,
108.9000

Harmonies

Analogous

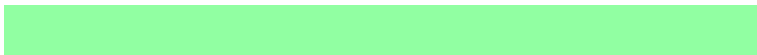
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2884, 89.0887, 25.8826



70.5331, 89.0887, 29.6980



58.4185, 89.0887, 48.1051

Triad

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



70.5331, 89.0887, 29.6980



65.2108, 89.0887, 208.7003



126.2738, 89.0887, 107.5659

Complementary

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



70.5331, 89.0887, 29.6980



35.5096, 25.3224, 97.6239

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.



117.8156, 89.0887, 171.1932



70.5331, 89.0887, 29.6980



81.1637, 89.0887, 241.9731

Square

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



70.5331, 89.0887, 29.6980



55.6812, 89.0887, 146.6633



100.5937, 89.0887, 226.1680



122.3111, 89.0887, 60.0465

Rectangle

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



70.5331, 89.0887, 29.6980



54.2570, 89.0887, 71.5716



100.5937, 89.0887, 226.1680



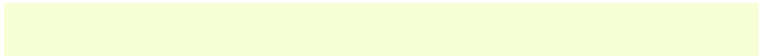
124.7547, 89.0887, 127.8396

Sweetspot

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



70.5332, 89.0888, 29.6992



86.2244, 96.1303, 77.7628



54.1577, 42.1438, 21.5010



18.2352, 20.4786, 15.8961



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.



70.5332, 89.0888, 29.6992



67.3901, 87.6286, 22.3149



52.7599, 79.9263, 28.8674



19.1844, 20.8965, 19.1666



31.8220, 44.1429, 6.8432



3.1845, 4.3425, 0.6703

Inverse Universe

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



35.5096, 25.3224, 97.6239



29.2299, 18.0069, 96.5428



51.6221, 33.6287, 98.3779



17.3422, 17.5526, 22.7239



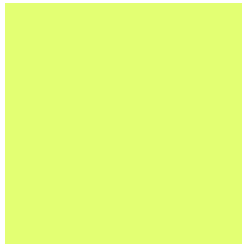
10.2401, 4.1895, 49.7035



1.0806, 0.4510, 4.8434

Previews

White Background



This preview shows how the XYZ color 70.5331, 89.0887, 29.6980 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 70.5331, 89.0887, 29.6980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

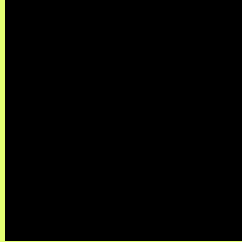
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5331, 89.0887, 29.6980

Background



This preview shows how black text looks on a background with the XYZ color 70.5331, 89.0887, 29.6980.

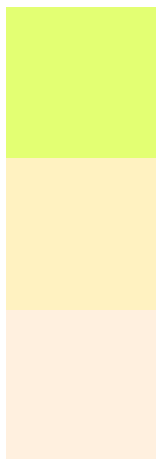


This preview shows how white text looks on a background with the XYZ color 70.5331, 89.0887,

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

70.5331, 89.0887, 29.6980

Protanopia

82.6178, 88.6145, 63.2020

Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

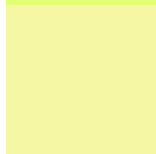
86.1722, 88.5949, 107.1665

Trichromacy



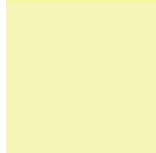
Original Color

70.5331, 89.0887, 29.6980



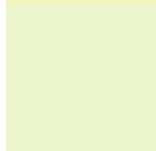
Protanomaly

77.7085, 88.6506, 48.6129



Deuteranomaly

78.9603, 88.1780, 58.2058



Tritanomaly

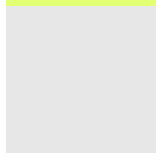
78.4765, 87.6690, 69.9124

Monochromacy



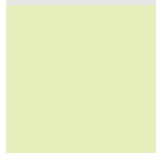
Original Color

70.5331, 89.0887, 29.6980



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9785, 82.8173, 60.2831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5331, 89.0887, 29.6980 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(227, 255, 115)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 115)  
}
```

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(227, 255, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 115) }
```

Border

The CSS property to change the border of an element to XYZ 70.5331, 89.0887, 29.6980 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(227, 255, 115) }
```


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

```
.border{ border-color:rgb(227, 255, 115) }
```

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

Here you see how a box with a 4 pixel rgb(227, 255, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 115);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5331, 89.0887, 29.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 115) }
```

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

```
.background{ background-color: rgb(227,  
255, 115) }
```

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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