

Converting Colors

XYZ(70.1187, 88.9059, 28.1225)

Have a look what the booklet for
XYZ(70.1187, 88.9059, 28.1225)
contains.

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Color

**XYZ(70.2530, 88.9767,
28.2233)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FF6E
RGB	227, 255, 110
RGB Percent	89%, 100%, 43%
CMY	0.1098, 0.0000, 0.5686
CMYK	0.11, 0.00, 0.57, 0.00
HSL	72°, 100%, 72%
HSV	72°, 57%, 100%
XYZ	70.2530, 88.9767, 28.2233
YIQ	230.0980, 29.8570, -51.0310

Conversions

Conversions Part 2

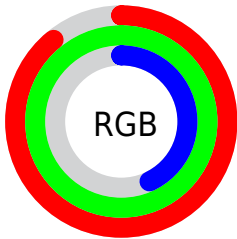
Format	Color
RYB	110, 255, 138
Decimal	14942062
CIELab	95.57, -28.83, 64.84
CIElCh	96, 70.964, 113.972
Yxy	88.9767, 0.3748, 0.4747
Android (android.graphics.Color)	4293132142 (0xFFE3FF6E)
YUV	230.0980, -59.2083, -2.7169
Hunter-Lab	94.3275, -32.1302, 48.2893

Details

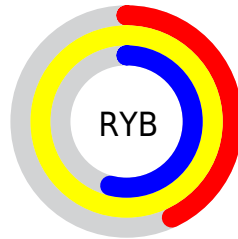
The XYZ color **70.2530, 88.9767, 28.2233** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **34.1084, 23.7764, 97.3993**, and the grayscale version is **75.6948, 79.6368, 86.7245**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **37.2221, 49.0895, 11.0034** is the 20% darker color. If you saturate the color by 10%, you get **67.5273, 87.7095, 21.8620**, and if you desaturate by 10%, it is **73.4228, 90.4266, 36.6925**.

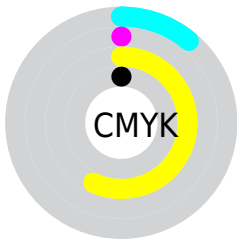
Distribution



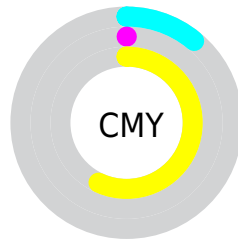
- Red (89%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2530, 88.9767, 28.2233 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 70.2530, 88.9767, 28.2233 by changing the saturation by 10% instead.


 70.2530, 88.9767,
28.2233

 70.2530, 88.9767,
28.2233


450.6904,
524.6965, 307.4778


 52.0132, 67.1322,
18.2535


 118.5938,
145.9162, 57.8681

 37.2399, 49.1921,
10.9609


 149.4254,
181.7800, 78.3803

 25.5678, 34.7719,
5.9267

 185.1851,
223.0857, 103.2437

 16.6316, 23.4872,
2.7325

226.2380,
270.2176, 132.8768

 10.0658, 14.9537,
0.9597

272.9497,
323.5603, 167.6983

 5.5052, 8.7869,
0.0000

325.6854,

 2.5844, 4.6024,

383.4981, 208.1266

0.0000

384.8105,
450.4153, 254.5802

■ 0.9380, 2.0159,
0.0000

■ 0.0000, 0.6167,
0.0000

■ 70.2530, 88.9767,
28.2233

■ 70.2530, 88.9767,
28.2233

■ 67.5273, 87.7095,
21.8620

■ 73.4228, 90.4266,
36.6925

■ 65.2096, 86.6106,
17.4188


■ 77.0678, 92.0718,
47.4298


■ 63.2583, 85.6634,
14.6768

■ 81.2166, 93.9237,
60.5843

■ 61.6205, 84.8465,
13.3591

■ 85.8952, 95.9928,
76.2913

 61.1460, 84.6070,
13.1080

 91.1277, 98.2887,
94.6761

95.0500, 100.0000,
108.9000

Harmonies

Analogous

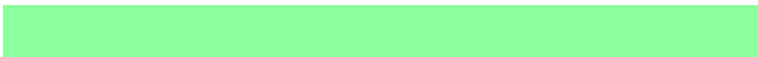
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5627, 88.9767, 24.5881



70.2530, 88.9767, 28.2233



57.7622, 88.9767, 46.5100

Triad

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



70.2530, 88.9767, 28.2233



64.4052, 88.9767, 212.0335



127.5312, 88.9767, 108.5828

Complementary

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



70.2530, 88.9767, 28.2233



34.1084, 23.7764, 97.3993

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.



118.6035, 88.9767, 174.6193



70.2530, 88.9767, 28.2233



80.6985, 88.9767, 247.4077

Square

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



70.2530, 88.9767, 28.2233



54.7662, 88.9767, 147.2970



100.7101, 88.9767, 231.5872



123.5982, 88.9767, 59.5220

Rectangle

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



70.2530, 88.9767, 28.2233



53.4492, 88.9767, 70.1889



100.7101, 88.9767, 231.5872



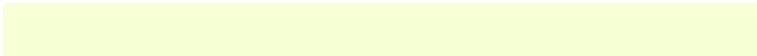
125.8966, 88.9767, 129.6032

Sweetspot

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



70.2531, 88.9767, 28.2245



85.8265, 95.9625, 76.0552



52.9417, 40.1599, 19.7143



18.1602, 20.4473, 15.5599



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.



70.2531, 88.9767, 28.2245



67.2435, 87.5761, 21.2629



52.2694, 79.7058, 27.3829



19.1972, 20.9031, 19.1672



32.0723, 44.2719, 6.8550



3.2068, 4.3539, 0.6714

Inverse Universe

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



34.1084, 23.7764, 97.3993



28.1187, 16.8451, 96.3771



49.9448, 31.9404, 98.1405



17.3304, 17.5465, 22.7234



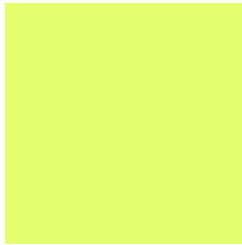
10.1921, 4.1647, 49.7013



1.0743, 0.4477, 4.8431

Previews

White Background



This preview shows how the XYZ color 70.2530, 88.9767, 28.2233 looks on a white background.

Color Contrast Check

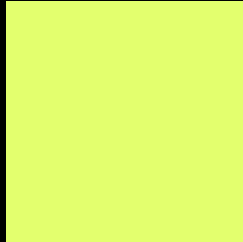
Large Text (above 18pt) WCAG AA × Fail

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 70.2530, 88.9767, 28.2233 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 70.2530, 88.9767, 28.2233

Background



This preview shows how black text looks on a background with the XYZ color 70.2530, 88.9767, 28.2233.

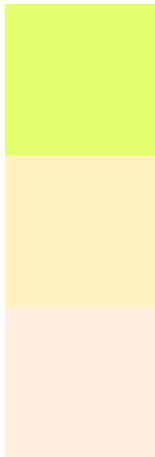


This preview shows how white text looks on a background with the XYZ color 70.2530, 88.9767,

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

70.2530, 88.9767, 28.2233

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

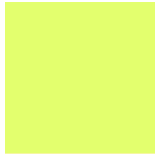
85.2913, 88.2669, 81.6491



Tritanopia

86.1722, 88.5949, 107.1665

Trichromacy



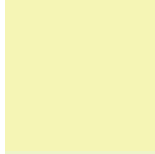
Original Color

70.2530, 88.9767, 28.2233



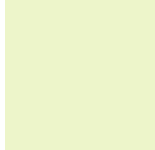
Protanomaly

77.4385, 88.5426, 47.1914



Deuteranomaly

78.6491, 88.0535, 56.5668



Tritanomaly

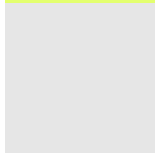
78.2381, 87.5736, 68.6569

Monochromacy



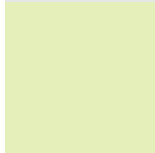
Original Color

70.2530, 88.9767, 28.2233



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0425, 81.9362, 58.4726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2530, 88.9767, 28.2233 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, 110)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 110) }
```

Border

The CSS property to change the border of an element to XYZ 70.2530, 88.9767, 28.2233 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, 110) }
```


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

```
.border{ border-color:rgb(227, 255, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2530, 88.9767, 28.2233 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, 110) }
```

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

```
.background{ background-color: rgb(227,  
255, 110) }
```

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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