

Converting Colors

XYZ(74.6272, 100.0000,
25.5172)

Have a look what the booklet for
XYZ(74.6272, 100.0000, 25.5172)
contains.

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Color

**XYZ(68.7431, 88.3003,
23.5457)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FF5C
RGB	225, 255, 92
RGB Percent	88%, 100%, 36%
CMY	0.1176, 0.0000, 0.6392
CMYK	0.12, 0.00, 0.64, 0.00
HSL	71°, 100%, 68%
HSV	71°, 64%, 100%
XYZ	68.7431, 88.3003, 23.5457
YIQ	227.4480, 34.4430, -57.0530

Conversions

Conversions Part 2

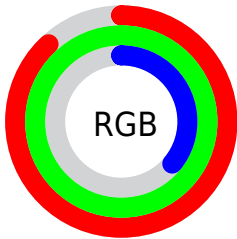
Format	Color
R _{YB}	92, 255, 122
Decimal	14810972
CIE Lab	95.29, -30.87, 71.83
CIE LCh	95, 78.182, 113.258
Yxy	88.3003, 0.3807, 0.4890
Android (android.graphics.Color)	4293001052 (0xFFE1FF5C)
YUV	227.4480, -66.7759, -2.1469
Hunter-Lab	93.9682, -33.8615, 50.9214

Details

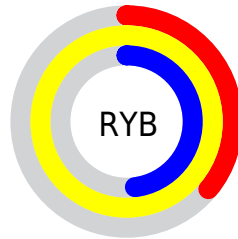
The XYZ color **68.7431, 88.3003, 23.5457** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **29.9044, 19.0132, 96.7015**, and the grayscale version is **73.7934, 77.6364, 84.5460**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **36.1178, 48.5743, 8.5091** is the 20% darker color. If you saturate the color by 10%, you get **66.3662, 87.1828, 18.5628**, and if you desaturate by 10%, it is **71.5353, 89.5885, 30.5077**.

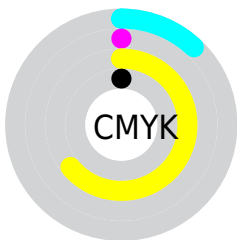
Distribution



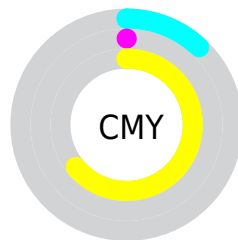
- Red (88%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (48%)



- Cyan (12%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.7431, 88.3003, 23.5457 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 68.7431, 88.3003, 23.5457 by changing the saturation by 10% instead.


 68.7431, 88.3003,
23.5457

 68.7431, 88.3003,
23.5457


445.4599,
522.4862, 283.7278

 50.7784, 66.5718,
14.7879


 116.4506,
144.9752, 50.2223


 36.2526, 48.7367,
8.5257


 146.9242,
180.6903, 68.9782

 24.8004, 34.4107,
4.3406


 182.2981,
221.8365, 91.9039

 16.0563, 23.2093,
1.8140

 222.9377,
268.7980, 119.4179

 9.6551, 14.7481,
0.4372

269.2083,
321.9594, 151.9387

 5.2314, 8.6428,
0.0000

321.4753,

 2.4198, 4.5089,

381.7049, 189.8850

0.0000

380.1041,
448.4190, 233.6751

■ 0.8550, 1.9621,
0.0000

■ 0.0000, 0.5853,
0.0000

■ 68.7431, 88.3003,
23.5457

■ 68.7431, 88.3003,
23.5457

■ 66.3662, 87.1828,
18.5628

■ 71.5353, 89.5885,
30.5077

■ 64.3649, 86.2201,
15.3480

■ 74.7770, 91.0612,
39.6240

■ 62.6906, 85.3929,
13.6494

■ 78.4986, 92.7306,
51.0544

■ 61.7907, 84.9393,
13.1382

■ 82.7278, 94.6078,
64.9428

87.4899, 96.7030,
81.4213

92.8086, 99.0256,
100.6126

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.



88.8372, 88.3003, 20.2883



68.7431, 88.3003, 23.5457



55.1505, 88.3003, 41.5831

Triad

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



68.7431, 88.3003, 23.5457



61.6938, 88.3003, 224.4192



131.6317, 88.3003, 110.6120

Complementary

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



68.7431, 88.3003, 23.5457



29.9044, 19.0132, 96.7015

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.



121.2928, 88.3003, 184.9789



68.7431, 88.3003, 23.5457



79.2007, 88.3003, 266.4548

Square

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



68.7431, 88.3003, 23.5457



51.5887, 88.3003, 150.4189



101.1962, 88.3003, 249.5839



127.5559, 88.3003, 56.8028

Rectangle

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



68.7431, 88.3003, 23.5457



50.4439, 88.3003, 66.1074



101.1962, 88.3003, 249.5839



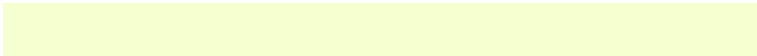
129.6764, 88.3003, 134.1281

Sweetspot

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



68.7431, 88.3003, 23.5469



85.0025, 95.6107, 72.7181



50.1177, 35.9242, 14.4190



17.9076, 20.3384, 14.5805



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.



68.7431, 88.3003, 23.5469



65.7117, 86.8705, 17.3946



49.1273, 78.1879, 22.6289



19.2141, 20.9118, 19.1680



32.4051, 44.4435, 6.8705



3.2363, 4.3692, 0.6728

Inverse Universe

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



29.9044, 19.0132, 96.7015



24.2935, 12.7337, 95.7852



46.6112, 27.6258, 97.4834



17.3148, 17.5385, 22.7226



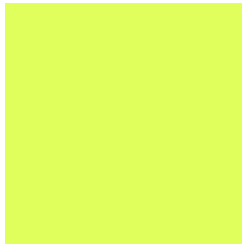
10.1315, 4.1335, 49.6984



1.0662, 0.4436, 4.8427

Previews

White Background



This preview shows how the XYZ color 68.7431, 88.3003, 23.5457 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 68.7431, 88.3003, 23.5457 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 68.7431, 88.3003, 23.5457

Background



This preview shows how black text looks on a background with the XYZ color 68.7431, 88.3003, 23.5457.



This preview shows how white text looks on a background with the XYZ color 68.7431, 88.3003,

Color Blindness Simulation

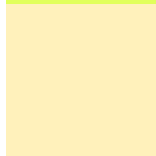
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



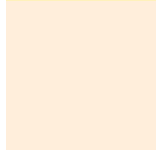
Original Color

68.7431, 88.3003, 23.5457



Protanopia

81.6649, 87.7585, 59.6486



Deuteranopia

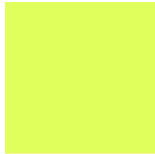
84.6007, 87.5235, 79.4526



Tritanopia

85.5345, 87.8302, 107.0525

Trichromacy



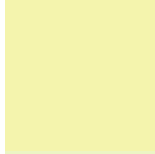
Original Color

68.7431, 88.3003, 23.5457



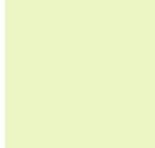
Protanomaly

75.9315, 87.4116, 42.5759



Deuteranomaly

77.2017, 86.9516, 52.2495



Tritanomaly

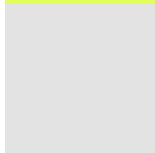
77.2083, 87.1232, 64.9717

Monochromacy



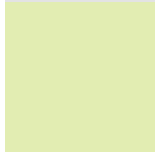
Original Color

68.7431, 88.3003, 23.5457



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.6841, 79.9515, 53.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7431, 88.3003, 23.5457 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, 92)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 92)  
}
```

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, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 92) }
```

Border

The CSS property to change the border of an element to XYZ 68.7431, 88.3003, 23.5457 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, 92) }
```


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

```
.border{ border-color:rgb(225, 255, 92) }
```

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, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7431, 88.3003, 23.5457 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, 92) }
```

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

```
.background{ background-color: rgb(225,  
255, 92) }
```

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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