

Converting Colors

XYZ(70.9630, 88.4699, 67.6877)

Have a look what the booklet for
XYZ(70.9630, 88.4699, 67.6877)
contains.

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Color

**XYZ(71.0872, 88.5275,
67.9844)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFC8
RGB	204, 255, 200
RGB Percent	80%, 100%, 78%
CMY	0.2000, 0.0000, 0.2157
CMYK	0.20, 0.00, 0.22, 0.00
HSL	116°, 100%, 89%
HSV	116°, 22%, 100%
XYZ	71.0872, 88.5275, 67.9844
YIQ	233.4810, -12.7410, -27.9170

Conversions

Conversions Part 2

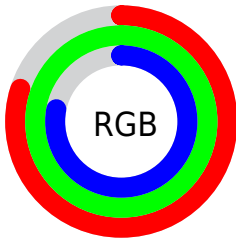
Format	Color
RYB	200, 255, 251
Decimal	13434824
CIELab	95.38, -26.24, 21.10
CIELCh	95, 33.669, 141.198
Yxy	88.5275, 0.3123, 0.3890
Android (android.graphics.Color)	4291624904 (0xFFCCFFC8)
YUV	233.4810, -16.5061, -25.8548
Hunter-Lab	94.0891, -29.7936, 23.0221

Details

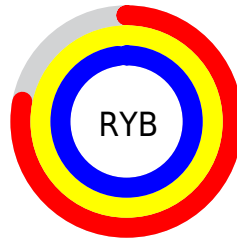
The XYZ color **71.0872, 88.5275, 67.9844** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.4887, 69.0389, 103.7968**, and the grayscale version is **77.9417, 82.0007, 89.2988**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7768, 48.8531, 34.6327** is the 20% darker color. If you saturate the color by 10%, you get **62.3544, 84.3417, 53.2947**, and if you desaturate by 10%, it is **81.3023, 93.4200, 85.3407**.

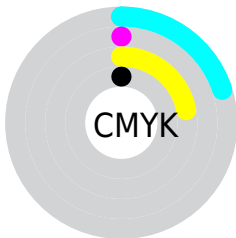
Distribution



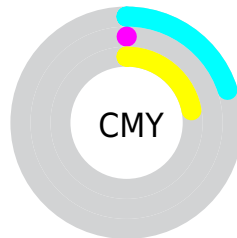
- Red (80%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0872, 88.5275, 67.9844 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 71.0872, 88.5275, 67.9844 by changing the saturation by 10% instead.

71.0872, 88.5275,
67.9844

71.0872, 88.5275,
67.9844

453.5653,
523.2291, 472.0373

52.6962, 66.7600,
49.4184

119.7757,
145.2913, 117.9838

37.7868, 48.8896,
34.5836

150.8039,
181.0565, 150.2544

25.9937, 34.5319,
23.0613

186.7752,
222.2563, 187.9302

16.9516, 23.3025,
14.4331

228.0549,
269.2751, 231.4298

10.2951, 14.8171,
8.2803

275.0084,
322.4975, 281.1718

5.6588, 8.6911,
4.1845

328.0011,

2.6774, 4.5402,

382.3076, 337.5747

1.7271

387.3983,
449.0901, 401.0570

■ 0.9856, 1.9801,
0.3792

■ 0.0000, 0.5959,
0.0000

■ 71.0872, 88.5275,
67.9844

■ 71.0872, 88.5275,
67.9844

■ 62.3544, 84.3417,
53.2947

■ 81.3023, 93.4200,
85.3407

■ 55.0331, 80.8290,
41.1357

■ 93.0622, 99.0488,
105.4820

■ 49.0497, 77.9544,
31.3657

■ 95.0500, 100.0000,
108.9000

■ 44.3230, 75.6797,
23.8274

■ 40.7630, 73.9621,
18.3448

■ 38.2677, 72.7535,
14.7155

■ 36.7173, 71.9973,
12.6958

■ 36.0197, 71.6539,
11.9322

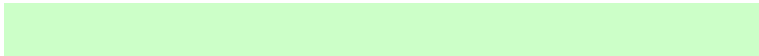
Harmonies

Analogous

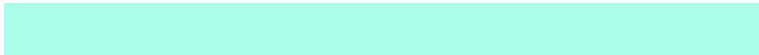
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9027, 88.5275, 56.4287



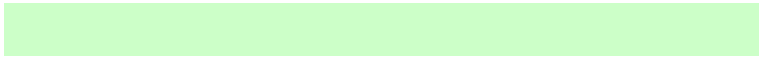
71.0872, 88.5275, 67.9844



67.8331, 88.5275, 88.8395

Triad

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



71.0872, 88.5275, 67.9844



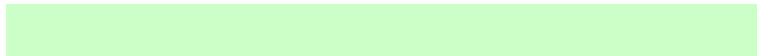
81.4628, 88.5275, 155.6746



101.7501, 88.5275, 79.1970

Complementary

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



71.0872, 88.5275, 67.9844



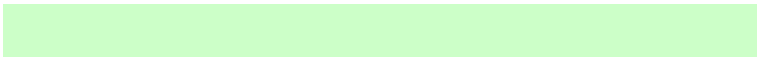
78.4887, 69.0389, 103.7968

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.



102.8771, 88.5275, 104.3595



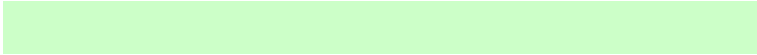
71.0872, 88.5275, 67.9844



90.7074, 88.5275, 151.8070

Square

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



71.0872, 88.5275, 67.9844



73.5301, 88.5275, 141.5456



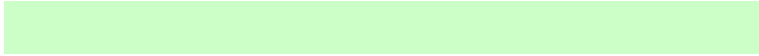
98.7062, 88.5275, 131.7790



95.7303, 88.5275, 62.0338

Rectangle

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



71.0872, 88.5275, 67.9844



67.9445, 88.5275, 106.5758



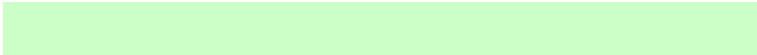
98.7062, 88.5275, 131.7790



102.7302, 88.5275, 86.8774

Sweetspot

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



71.0878, 88.5278, 67.9858



87.6553, 96.4613, 96.2036



85.9809, 94.0608, 68.2688



18.5969, 20.5677, 20.3090



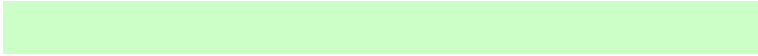
0.0000, 0.0000, 0.0000



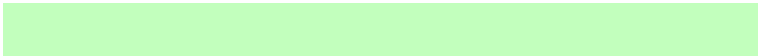
20.3446, 21.4041, 23.3091

Same Dimension

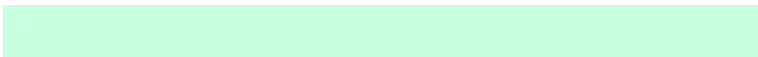
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0878, 88.5278, 67.9858



67.0382, 86.5872, 61.1533



72.8882, 89.1229, 83.1149



17.8939, 20.2312, 19.1062



18.8650, 37.4634, 6.2369



1.8774, 3.6686, 0.6092

Inverse Universe

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



78.4887, 69.0389, 103.7968



75.6716, 63.8433, 102.9424



76.4722, 68.4005, 85.5788



18.6546, 18.2292, 22.7853



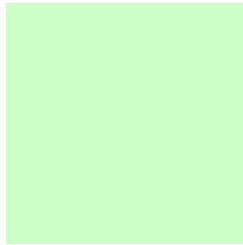
27.6412, 13.1600, 50.5179



2.7287, 1.3006, 4.9205

Previews

White Background



This preview shows how the XYZ color 71.0872, 88.5275, 67.9844 looks on a white background.

Color Contrast Check

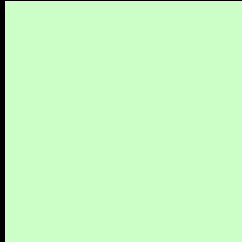
Large Text (above 18pt) WCAG AA × Fail

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 71.0872, 88.5275, 67.9844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

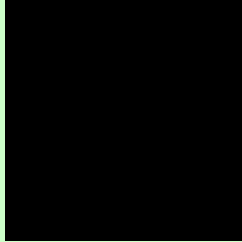
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

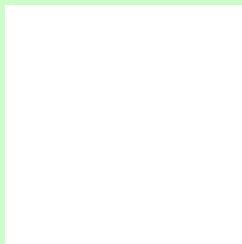
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0872, 88.5275, 67.9844

Background



This preview shows how black text looks on a background with the XYZ color 71.0872, 88.5275, 67.9844.



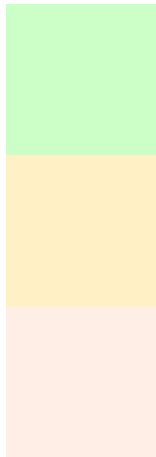
This preview shows how white text looks on a background with the XYZ color 71.0872, 88.5275,

67.9844.

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

71.0872, 88.5275, 67.9844

Protanopia

82.7733, 88.2018, 65.4854

Deuteranopia

85.9574, 88.0662, 86.5968



Tritanopia

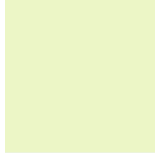
82.0792, 88.2523, 107.3161

Trichromacy



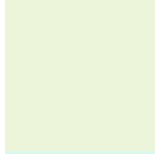
Original Color

71.0872, 88.5275, 67.9844



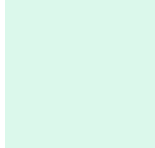
Protanomaly

77.7409, 87.8216, 66.2800



Deuteranomaly

79.5976, 87.5962, 79.0422



Tritanomaly

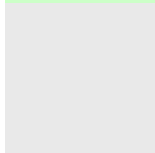
77.7762, 88.1930, 91.5210

Monochromacy



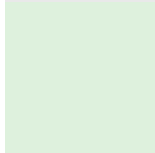
Original Color

71.0872, 88.5275, 67.9844



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6306, 83.6606, 80.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0872, 88.5275, 67.9844 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(204, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 200)  
}
```

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(204, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 71.0872, 88.5275, 67.9844 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(204, 255, 200) }
```


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

```
.border{ border-color:rgb(204, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0872, 88.5275, 67.9844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 200) }
```

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

```
.background{ background-color: rgb(204,  
255, 200) }
```

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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