

Converting Colors

XYZ(70.7782, 88.3521, 68.6968)

Have a look what the booklet for
XYZ(70.7782, 88.3521, 68.6968)
contains.

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Color

**XYZ(70.6597, 88.2936,
68.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFC9
RGB	202, 255, 201
RGB Percent	79%, 100%, 79%
CMY	0.2078, 0.0000, 0.2118
CMYK	0.21, 0.00, 0.21, 0.00
HSL	119°, 100%, 89%
HSV	119°, 21%, 100%
XYZ	70.6597, 88.2936, 68.5765
YIQ	232.9970, -14.2540, -28.0300

Conversions

Conversions Part 2

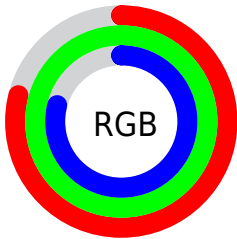
Format	Color
RYB	201, 255, 254
Decimal	13303753
CIELab	95.28, -26.73, 20.43
CIELCh	95, 33.643, 142.601
Yxy	88.2936, 0.3106, 0.3881
Android (android.graphics.Color)	4291493833 (0xFFCAFFC9)
YUV	232.9970, -15.7745, -27.1844
Hunter-Lab	93.9647, -30.2095, 22.5047

Details

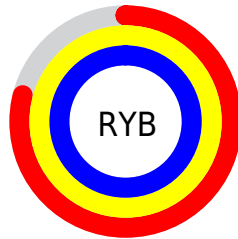
The XYZ color **70.6597, 88.2936, 68.5765** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.8105, 70.0653, 103.9252**, and the grayscale version is **77.5721, 81.6118, 88.8753**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4932, 48.6978, 35.0273** is the 20% darker color. If you saturate the color by 10%, you get **61.6726, 83.9789, 53.7755**, and if you desaturate by 10%, it is **81.2443, 93.3743, 86.0543**.

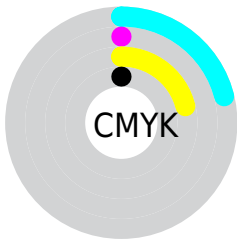
Distribution



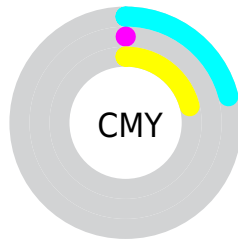
- Red (79%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6597, 88.2936, 68.5765 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 70.6597, 88.2936, 68.5765 by changing the saturation by 10% instead.

70.6597, 88.2936,
68.5765

70.6597, 88.2936,
68.5765

452.0933,
522.4642, 474.1893

52.3461, 66.5662,
49.8973

119.1702,
144.9658, 118.8385

37.5064, 48.7322,
34.9612

150.0978,
180.6795, 151.2583

25.7753, 34.4071,
23.3497

185.9607,
221.8241, 189.0955

16.7874, 23.2065,
14.6442

227.1244,
268.7840, 232.7684

10.1774, 14.7461,
8.4262

273.9541,
321.9435, 282.6957

5.5799, 8.6414,
4.2772

326.8153,

2.6296, 4.5080,

381.6871, 339.2960

1.7786

386.0732,
448.3993, 402.9876

■ 0.9610, 1.9616,
0.4138

■ 0.0000, 0.5850,
0.0000

■ 70.6597, 88.2936,
68.5765

■ 70.6597, 88.2936,
68.5765

■ 61.6726, 83.9789,
53.7755

■ 81.2443, 93.3743,
86.0543

■ 54.2038, 80.3922,
41.5155

■ 93.4968, 99.2546,
106.3275

■ 48.1699, 77.4936,
31.6546

■ 95.0500, 100.0000,
108.9000

■ 43.4791, 75.2392,
24.0359

■ 40.0286, 73.5797,
18.4835

■ 37.7011, 72.4590,
14.7955

■ 36.3565, 71.8102,
12.7293

■ 35.8191, 71.5504,
11.9228

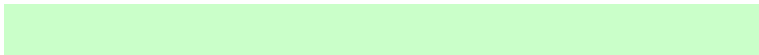
Harmonies

Analogous

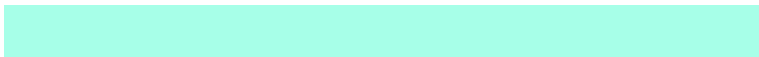
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3157, 88.2936, 56.5992



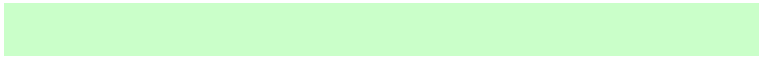
70.6597, 88.2936, 68.5765



67.5992, 88.2936, 89.7698

Triad

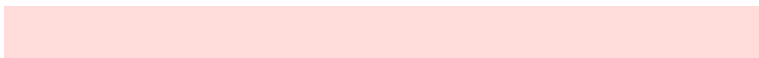
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6597, 88.2936, 68.5765



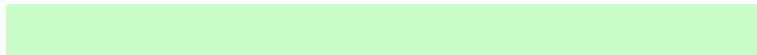
81.6668, 88.2936, 155.5122



101.3007, 88.2936, 77.9823

Complementary

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



70.6597, 88.2936, 68.5765



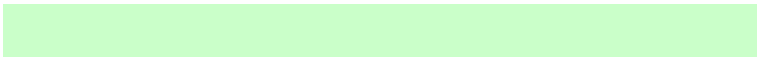
79.8105, 70.0653, 103.9252

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.



102.6775, 88.2936, 102.7978



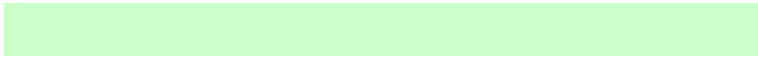
70.6597, 88.2936, 68.5765



90.8910, 88.2936, 150.7897

Square

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



70.6597, 88.2936, 68.5765



73.6459, 88.2936, 142.1674



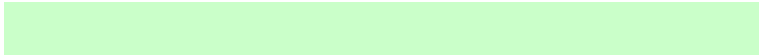
98.7444, 88.2936, 130.2392



95.1086, 88.2936, 61.2985

Rectangle

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



70.6597, 88.2936, 68.5765



67.8404, 88.2936, 107.5963



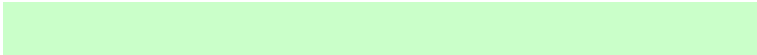
98.7444, 88.2936, 130.2392



102.3595, 88.2936, 85.5212

Sweetspot

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



70.6603, 88.2939, 68.5779



87.3731, 96.3158, 96.1904



86.9713, 95.8541, 69.1774



18.5305, 20.5335, 20.3059



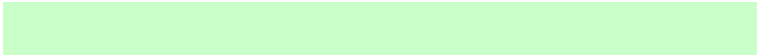
0.0000, 0.0000, 0.0000



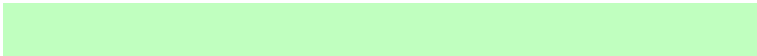
20.3446, 21.4041, 23.3091

Same Dimension

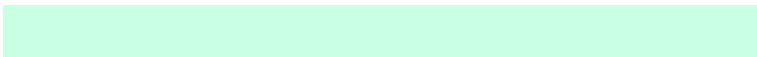
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6603, 88.2939, 68.5779



67.0387, 86.5552, 62.6081



73.6030, 89.4398, 85.4806



17.8026, 20.1842, 19.1020



18.7297, 37.3936, 6.2305



1.8341, 3.6463, 0.6071

Inverse Universe

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



79.8105, 70.0653, 103.9252



77.5428, 65.6277, 103.1882



76.3821, 68.7363, 83.9581



18.7575, 18.2822, 22.7901



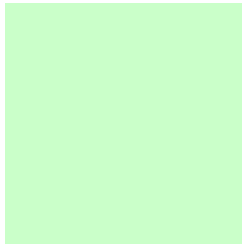
30.0995, 14.4274, 50.6329



2.9409, 1.4100, 4.9304

Previews

White Background



This preview shows how the XYZ color 70.6597, 88.2936, 68.5765 looks on a white background.

Color Contrast Check

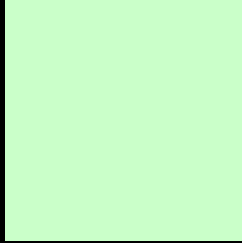
Large Text (above 18pt) WCAG AA × Fail

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 70.6597, 88.2936, 68.5765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

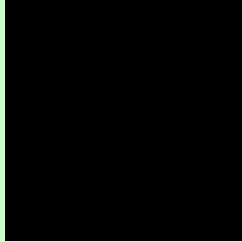
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

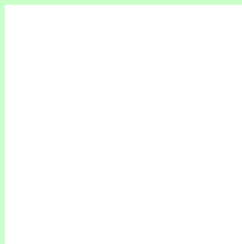
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6597, 88.2936, 68.5765

Background



This preview shows how black text looks on a background with the XYZ color 70.6597, 88.2936, 68.5765.



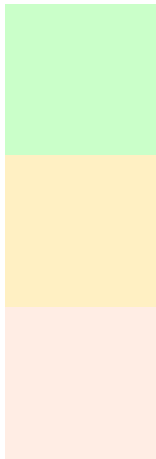
This preview shows how white text looks on a background with the XYZ color 70.6597, 88.2936,

68.5765.

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

70.6597, 88.2936, 68.5765

Protanopia

82.2504, 87.5203, 64.1878

Deuteranopia

85.5278, 87.4298, 85.7666



Tritanopia

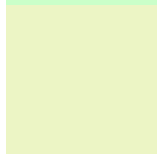
81.7647, 88.0901, 107.3014

Trichromacy



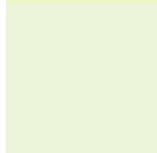
Original Color

70.6597, 88.2936, 68.5765



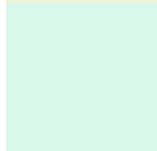
Protanomaly

77.3225, 87.1689, 65.5733



Deuteranomaly

79.5976, 87.5962, 79.0422



Tritanomaly

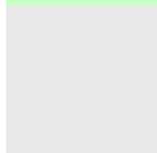
77.1781, 87.8847, 91.4930

Monochromacy



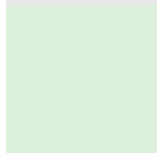
Original Color

70.6597, 88.2936, 68.5765



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 70.6597, 88.2936, 68.5765 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(202, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 201)  
}
```

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(202, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 70.6597, 88.2936, 68.5765 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(202, 255, 201) }
```


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

```
.border{ border-color:rgb(202, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6597, 88.2936, 68.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 201) }
```

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

```
.background{ background-color: rgb(202,  
255, 201) }
```

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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