

# Converting Colors

XYZ(72.6771, 90.6555, 68.0495)

Have a look what the booklet for  
XYZ(72.6771, 90.6555, 68.0495)  
contains.

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# Color

**XYZ(71.9175, 88.9555,  
68.0233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFC8
RGB	207, 255, 200
RGB Percent	81%, 100%, 78%
CMY	0.1882, 0.0000, 0.2157
CMYK	0.19, 0.00, 0.22, 0.00
HSL	112°, 100%, 89%
HSV	112°, 22%, 100%
XYZ	71.9175, 88.9555, 68.0233
YIQ	234.3780, -10.9530, -27.2810

# Conversions

## Conversions Part 2

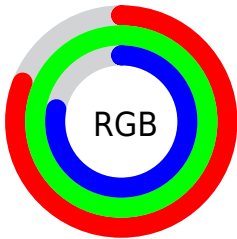
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 255, 248</a>
Decimal	<a href="#">13631432</a>
CIELab	<a href="#">95.56, -25.25, 21.37</a>
CIELCh	<a href="#">96, 33.083, 139.753</a>
Yxy	<a href="#">88.9555, 0.3142, 0.3886</a>
Android (android.graphics.Color)	<a href="#">4291821512 (0xFFCFFFC8)</a>
YUV	<a href="#">234.3780, -16.9484, -24.0105</a>
Hunter-Lab	<a href="#">94.3162, -28.9445, 23.2599</a>

# Details

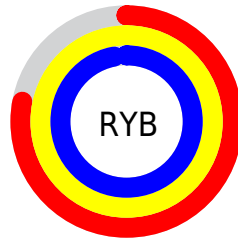
The XYZ color **71.9175, 88.9555, 68.0233** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4165, 68.4862, 103.7466**, and the grayscale version is **78.6232, 82.7177, 90.0796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3313, 49.1389, 34.6586** is the 20% darker color. If you saturate the color by 10%, you get **63.3956, 84.8784, 53.3435**, and if you desaturate by 10%, it is **81.8142, 93.6839, 85.3647**.

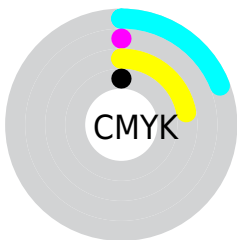
# Distribution



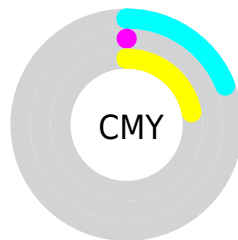
- Red (81%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (97%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9175, 88.9555, 68.0233 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 71.9175, 88.9555, 68.0233 by changing the saturation by 10% instead.



71.9175, 88.9555,  
68.0233

71.9175, 88.9555,  
68.0233

456.4165,  
524.6273, 472.1789

53.3765, 67.1147,  
49.4499

120.9507,  
145.8867, 118.0400

38.3321, 49.1778,  
34.6084

152.1736,  
181.7458, 150.3204

26.4189, 34.7606,  
23.0802

188.3544,  
223.0465, 188.0068

17.2716, 23.4785,  
14.4469

229.8587,  
270.1732, 231.5178

10.5248, 14.9472,  
8.2899

277.0517,  
323.5102, 281.2720

5.8132, 8.7824,  
4.1906

330.2987,

2.7714, 4.5995,

383.4419, 337.6879

1.7305

389.9652,  
450.3528, 401.1840

■ 1.0341, 2.0142,  
0.3815

■ 0.0000, 0.6157,  
0.0000

■ 71.9175, 88.9555,  
68.0233

■ 71.9175, 88.9555,  
68.0233

■ 63.3956, 84.8784,  
53.3435

■ 81.8142, 93.6839,  
85.3647

■ 56.1854, 81.4230,  
41.1896

■ 93.1410, 99.0894,  
105.4858

■ 50.2219, 78.5587,  
31.4206

95.0500, 100.0000,  
108.9000

■ 45.4335, 76.2522,  
23.8794

■ 41.7414, 74.4665,  
18.3906

■ 39.0568, 73.1603,  
14.7524

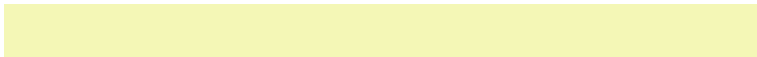
■ 37.2763, 72.2855,  
12.7220

■ 36.3698, 71.8344,  
11.9485

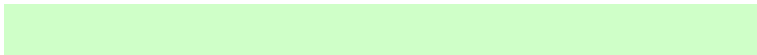
# Harmonies

## Analogous

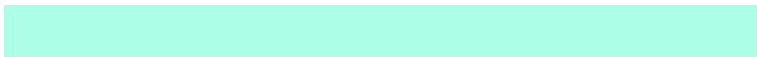
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7881, 88.9555, 57.0245



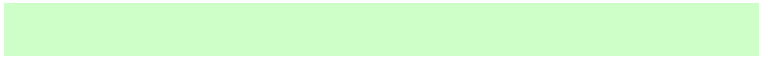
71.9175, 88.9555, 68.0233



68.5138, 88.9555, 88.2359

# Triad

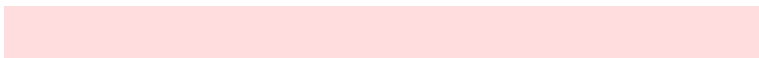
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9175, 88.9555, 68.0233



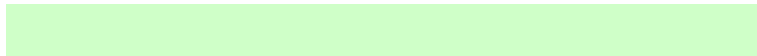
81.4830, 88.9555, 154.8299



102.0595, 88.9555, 80.9301

# Complementary

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



71.9175, 88.9555, 68.0233



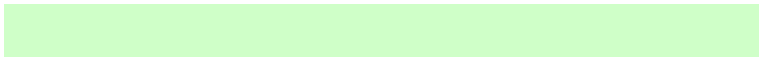
77.4165, 68.4862, 103.7466

# 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.



102.9103, 88.9555, 106.0230



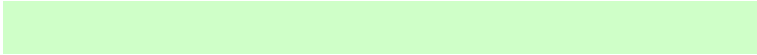
71.9175, 88.9555, 68.0233



90.5852, 88.9555, 151.9180

# Square

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



71.9175, 88.9555, 68.0233



73.7688, 88.9555, 140.2292



98.5804, 88.9555, 132.8677

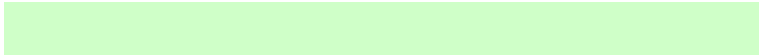


96.3326, 88.9555, 63.5007



# Rectangle

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



71.9175, 88.9555, 68.0233



68.4911, 88.9555, 105.5722



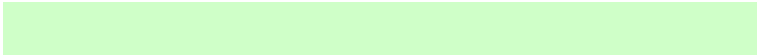
98.5804, 88.9555, 132.8677



102.9401, 88.9555, 88.6359

# Sweetspot

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



71.9181, 88.9558, 68.0247



87.9406, 96.6083, 96.2169



85.1307, 92.3604, 67.9854



18.6641, 20.6024, 20.3122



0.0000, 0.0000, 0.0000

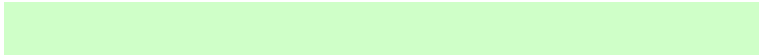


20.3446, 21.4041, 23.3091

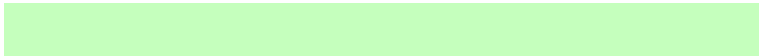


# Same Dimension

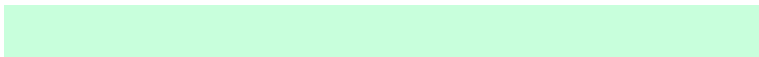
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9181, 88.9558, 68.0247



67.9748, 87.0700, 61.1971



72.5206, 88.9759, 81.1788



17.9863, 20.2789, 19.1106



19.0702, 37.5691, 6.2465



1.9209, 3.6910, 0.6112



# Inverse Universe

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



77.4165, 68.4862, 103.7466



74.3868, 63.1809, 102.8823



76.8662, 68.5582, 87.6535



18.5518, 18.1762, 22.7805



25.3490, 11.9784, 50.4106

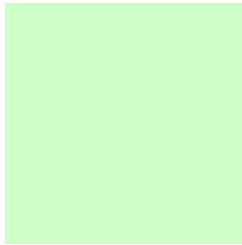


2.5290, 1.1977, 4.9112



# Previews

## White Background



This preview shows how the XYZ color 71.9175, 88.9555, 68.0233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

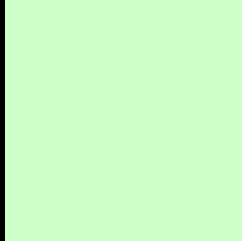
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9175, 88.9555, 68.0233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

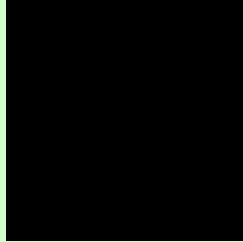
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

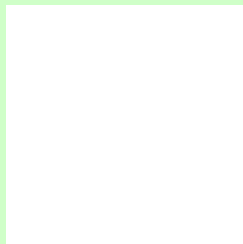
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.9175, 88.9555, 68.0233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9175, 88.9555, 68.0233.



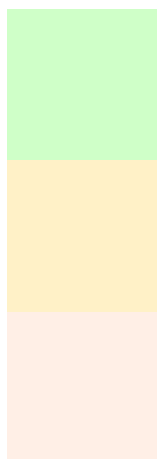
This preview shows how white text looks on a background with the XYZ color 71.9175, 88.9555,



# 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

71.9175, 88.9555, 68.0233

### Protanopia

83.0041, 88.2941, 66.7005

### Deuteranopia

86.3894, 88.7062, 87.4317



## Tritanopia

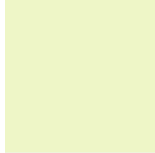
82.7138, 88.5794, 107.3458

# Trichromacy



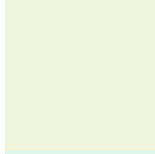
## Original Color

71.9175, 88.9555, 68.0233



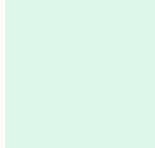
## Protanomaly

78.5245, 88.2122, 66.9208



## Deuteranomaly

80.6985, 88.5964, 79.8654



## Tritanomaly

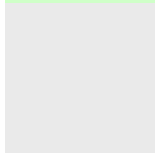
78.3816, 88.5051, 91.5493

# Monochromacy



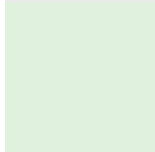
## Original Color

71.9175, 88.9555, 68.0233



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.6774, 84.6255, 81.4530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9175, 88.9555, 68.0233 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(207, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 200) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9175, 88.9555, 68.0233 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(207, 255, 200) }
```



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

```
.border{ border-color:rgb(207, 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(207, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
200) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9175, 88.9555, 68.0233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 200) }
```

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

```
.background{ background-color: rgb(207,  
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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