

# Converting Colors

XYZ(71.9001, 88.8527, 72.2655)

Have a look what the booklet for  
XYZ(71.9001, 88.8527, 72.2655)  
contains.

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# Color

**XYZ(71.9243, 88.8624,  
72.3928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFCF
RGB	204, 255, 207
RGB Percent	80%, 100%, 81%
CMY	0.2000, 0.0000, 0.1882
CMYK	0.20, 0.00, 0.19, 0.00
HSL	124°, 100%, 90%
HSV	124°, 20%, 100%
XYZ	71.9243, 88.8624, 72.3928
YIQ	234.2790, -14.9880, -25.7400

# Conversions

## Conversions Part 2

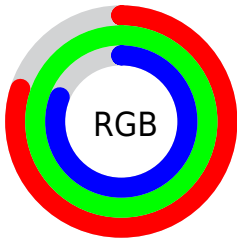
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 252, 255
Decimal	13434831
CIELab	95.52, -25.07, 17.72
CIELCh	96, 30.700, 144.742
Yxy	88.8624, 0.3085, 0.3811
Android (android.graphics.Color)	4291624911 (0xFFCCFFCF)
YUV	234.2790, -13.4485, -26.5547
Hunter-Lab	94.2669, -28.7740, 20.4547

# Details

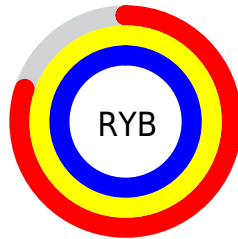
The XYZ color **71.9243, 88.8624, 72.3928** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.4037, 71.4745, 101.6530**, and the grayscale version is **78.5245, 82.6138, 89.9665**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3383, 49.0776, 37.5893** is the 20% darker color. If you saturate the color by 10%, you get **62.7828, 84.4634, 57.7952**, and if you desaturate by 10%, it is **82.6573, 94.0302, 89.3956**.

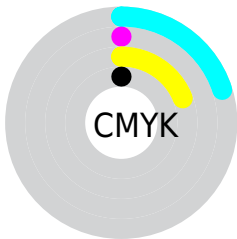
# Distribution



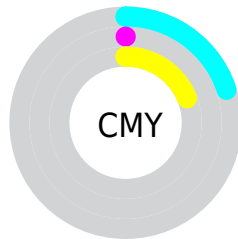
- Red (80%)
- Green (100%)
- Blue (81%)



- Red (80%)
- Yellow (99%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9243, 88.8624, 72.3928 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 71.9243, 88.8624, 72.3928 by changing the saturation by 10% instead.




 71.9243, 88.8624,  
72.3928

 71.9243, 88.8624,  
72.3928


456.4398,  
524.3233, 487.9219

 53.3821, 67.0375,  
52.9908

120.9603,  
145.7572, 124.3277

 38.3366, 49.1151,  
37.4078


152.1848,  
181.5959, 157.6978

 26.4224, 34.7108,  
25.2251


188.3674,  
222.8747, 196.5609

 17.2743, 23.4402,  
16.0243

229.8735,  
269.9779, 241.3357

 10.5267, 14.9189,  
9.3868

277.0684,  
323.2900, 292.4406

 5.8145, 8.7625,  
4.8941

330.3175,

 2.7722, 4.5866,

383.1953, 350.2943

2.1276

389.9862,  
450.0783, 415.3152

■ 1.0345, 2.0068,  
0.6321

■ 0.0000, 0.6114,  
0.0000

■ 71.9243, 88.8624,  
72.3928

■ 71.9243, 88.8624,  
72.3928

■ 62.7828, 84.4634,  
57.7952

■ 82.6573, 94.0302,  
89.3956

■ 55.1554, 80.7957,  
45.4904

95.0500, 100.0000,  
108.9000

■ 48.9607, 77.8200,  
35.3632

■ 44.1091, 75.4926,  
27.2868

■ 40.5010, 73.7653,  
21.1213

■ 38.0226, 72.5828,  
16.7092

■ 36.5397, 71.8796,  
13.8682

■ 35.8463, 71.5545,  
12.3743

■ 35.8463, 71.5545,  
12.3742

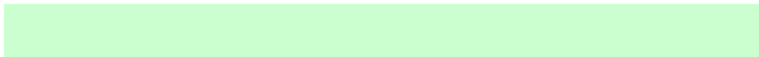
# Harmonies

## Analogous

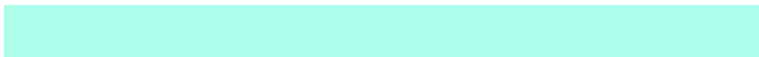
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8677, 88.8624, 60.4737



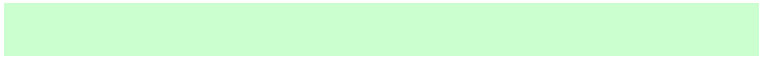
71.9243, 88.8624, 72.3928



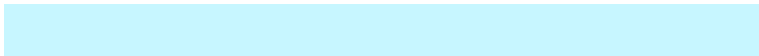
69.3499, 88.8624, 92.5706

# Triad

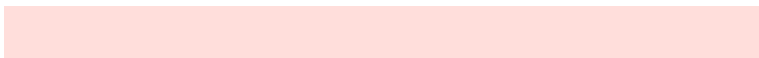
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.9243, 88.8624, 72.3928



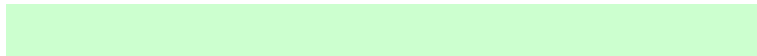
82.9867, 88.8624, 150.6325



100.0269, 88.8624, 78.6265

# Complementary

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



71.9243, 88.8624, 72.3928



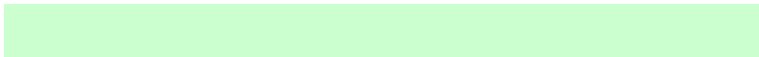
80.4037, 71.4745, 101.6530

# 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.



101.6219, 88.8624, 101.0657



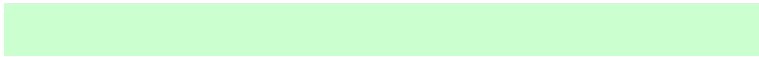
71.9243, 88.8624, 72.3928



91.4165, 88.8624, 145.2453

# Square

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



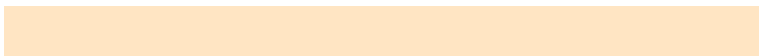
71.9243, 88.8624, 72.3928



75.4597, 88.8624, 139.7478



98.3760, 88.8624, 126.0509

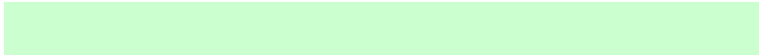


94.1511, 88.8624, 63.6319



# Rectangle

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



71.9243, 88.8624, 72.3928



69.7580, 88.8624, 109.0348



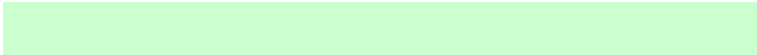
98.3760, 88.8624, 126.0509



101.0972, 88.8624, 85.4355

# Sweetspot

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



71.9249, 88.8626, 72.3942



87.4109, 96.3198, 96.8909



86.9673, 96.6593, 71.2010



18.5395, 20.5345, 20.4707



0.0000, 0.0000, 0.0000

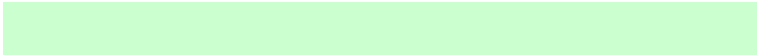


20.3446, 21.4041, 23.3091

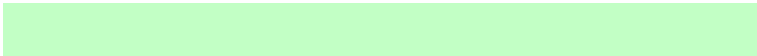


# Same Dimension

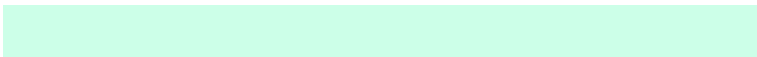
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9249, 88.8626, 72.3942



68.0809, 87.0125, 66.2715



75.2349, 90.1866, 89.8240



17.8149, 20.1855, 19.3282



18.7473, 37.3955, 6.5543



1.8399, 3.6469, 0.7147



# Inverse Universe

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



80.4037, 71.4745, 101.6530



77.9629, 66.7448, 100.3708



76.6915, 69.9896, 82.1046



18.7438, 18.2808, 22.5339



29.7867, 14.4040, 44.3885

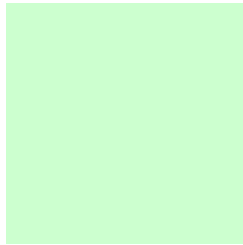


2.9137, 1.4079, 4.3930



# Previews

## White Background



This preview shows how the XYZ color 71.9243, 88.8624, 72.3928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

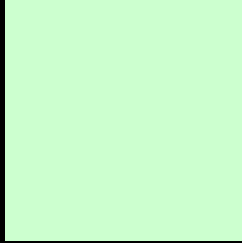
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9243, 88.8624, 72.3928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

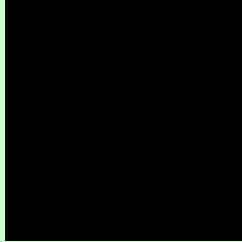
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

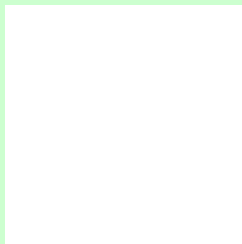
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.9243, 88.8624, 72.3928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9243, 88.8624, 72.3928.



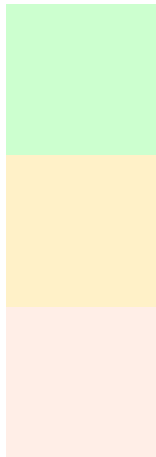
This preview shows how white text looks on a background with the XYZ color 71.9243, 88.8624,

72.3928.

# 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

71.9243, 88.8624, 72.3928

### Protanopia

83.1206, 88.3407, 67.3141

### Deuteranopia

86.2383, 88.1786, 88.0762



## Tritanopia

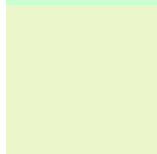
82.3956, 88.4153, 107.3309

# Trichromacy



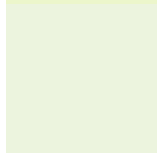
## Original Color

71.9243, 88.8624, 72.3928



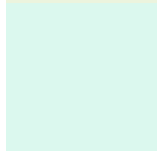
## Protanomaly

78.3273, 88.0562, 69.3682



## Deuteranomaly

80.1276, 87.8082, 81.8327



## Tritanomaly

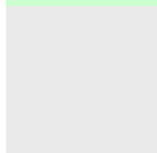
78.2134, 88.3679, 93.8233

# Monochromacy



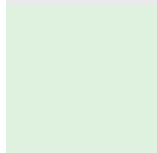
## Original Color

71.9243, 88.8624, 72.3928



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.6381, 84.5741, 82.8589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9243, 88.8624, 72.3928 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9243, 88.8624, 72.3928 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, 207) }
```



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

```
.border{ border-color:rgb(204, 255, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9243, 88.8624, 72.3928 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, 207) }
```

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

```
.background{ background-color: rgb(204,  
255, 207) }
```

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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