

# Converting Colors

XYZ(72.0453, 88.9108, 73.0298)

Have a look what the booklet for  
XYZ(72.0453, 88.9108, 73.0298)  
contains.

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# **Color**

**XYZ(72.0470, 88.9114,  
73.0389)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD0
RGB	204, 255, 208
RGB Percent	80%, 100%, 82%
CMY	0.2000, 0.0000, 0.1843
CMYK	0.20, 0.00, 0.18, 0.00
HSL	125°, 100%, 90%
HSV	125°, 20%, 100%
XYZ	72.0470, 88.9114, 73.0389
YIQ	234.3930, -15.3090, -25.4290

# Conversions

## Conversions Part 2

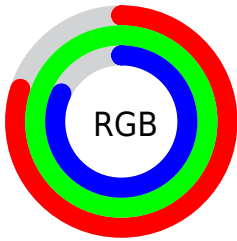
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 251, 255
Decimal	13434832
CIE <sub>Lab</sub>	95.54, -24.90, 17.24
CIE <sub>LCh</sub>	96, 30.284, 145.301
Yxy	88.9114, 0.3079, 0.3800
Android (android.graphics.Color)	4291624912 (0xFFCCFFD0)
YUV	234.3930, -13.0117, -26.6547
Hunter-Lab	94.2928, -28.6247, 20.0792

# Details

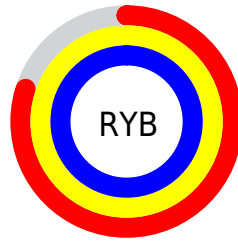
The XYZ color **72.0470, 88.9114, 73.0389** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.2457, 71.4114, 100.8206**, and the grayscale version is **78.6080, 82.7017, 90.0622**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4212, 49.1108, 38.0262** is the 20% darker color. If you saturate the color by 10%, you get **62.9399, 84.5262, 58.6220**, and if you desaturate by 10%, it is **82.7281, 94.0585, 89.7683**.

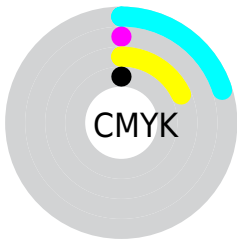
# Distribution



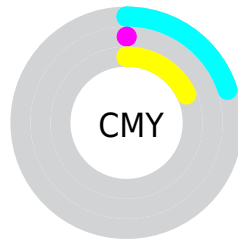
- Red (80%)
- Green (100%)
- Blue (82%)



- Red (80%)
- Yellow (98%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0470, 88.9114, 73.0389 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 72.0470, 88.9114, 73.0389 by changing the saturation by 10% instead.




 72.0470, 88.9114,  
73.0389

 72.0470, 88.9114,  
73.0389


456.8603,  
524.4833, 490.2240

 53.4827, 67.0781,  
53.5158


121.1338,  
145.8254, 125.2539

 38.4172, 49.1481,  
37.8241


152.3870,  
181.6748, 158.7828

 26.4854, 34.7370,  
25.5454


188.6005,  
222.9651, 197.8173

 17.3217, 23.4603,  
16.2612

230.1396,  
270.0807, 242.7761

 10.5608, 14.9338,  
9.5528

277.3699,  
323.4059, 294.0776

 5.8375, 8.7729,  
5.0018

330.6565,

 2.7862, 4.5934,

383.3251, 352.1404

2.1895

390.3648,  
450.2228, 417.3830

■ 1.0417, 2.0107,  
0.6683

■ 0.0000, 0.6137,  
0.0000

■ 72.0470, 88.9114,  
73.0389

■ 72.0470, 88.9114,  
73.0389

■ 62.9399, 84.5262,  
58.6220

■ 82.7281, 94.0585,  
89.7683

■ 55.3304, 80.8658,  
46.4121

95.0500, 100.0000,  
108.9000

■ 49.1388, 77.8913,  
36.3013

■ 44.2771, 75.5599,  
28.1716

■ 40.6475, 73.8239,  
21.8929

■ 38.1386, 72.6291,  
17.3197

■ 36.6188, 71.9113,  
14.2846

■ 35.8863, 71.5705,  
12.5852

■ 35.8863, 71.5705,  
12.5851

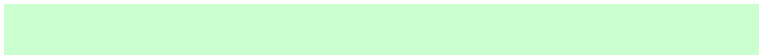
# Harmonies

## Analogous

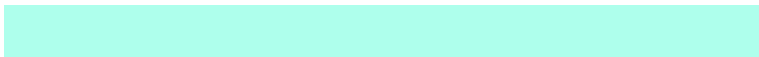
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8651, 88.9114, 61.0698



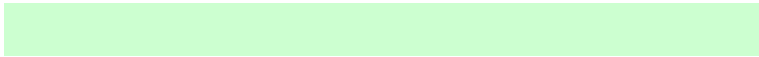
72.0470, 88.9114, 73.0389



69.5707, 88.9114, 93.1108

# Triad

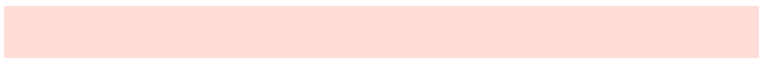
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0470, 88.9114, 73.0389



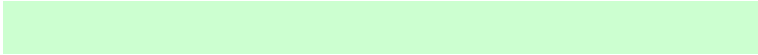
83.2061, 88.9114, 149.9165



99.7823, 88.9114, 78.5501

# Complementary

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



72.0470, 88.9114, 73.0389



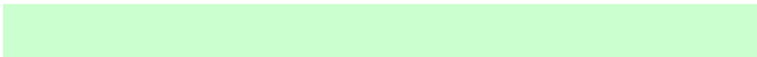
80.2457, 71.4114, 100.8206

# 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.



101.4427, 88.9114, 100.6046



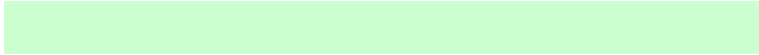
72.0470, 88.9114, 73.0389



91.5176, 88.9114, 144.3214

# Square

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



72.0470, 88.9114, 73.0389



75.7392, 88.9114, 139.4870



98.3280, 88.9114, 125.2475

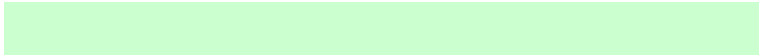


93.9280, 88.9114, 63.8673



# Rectangle

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



72.0470, 88.9114, 73.0389



70.0217, 88.9114, 109.3863



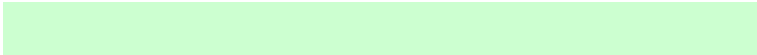
98.3280, 88.9114, 125.2475



100.8651, 88.9114, 85.2355

# Sweetspot

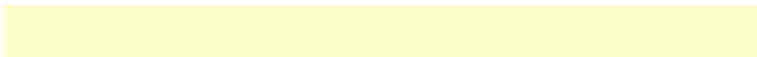
The Sweet Spot groups the original color and five complimentary colors.



72.0477, 88.9118, 73.0403



87.4557, 96.3377, 97.1266



86.6595, 96.5006, 71.1867



18.5500, 20.5387, 20.5262



0.0000, 0.0000, 0.0000

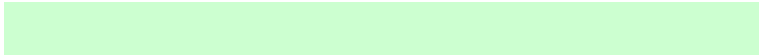


20.3446, 21.4041, 23.3091

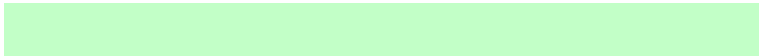


# Same Dimension

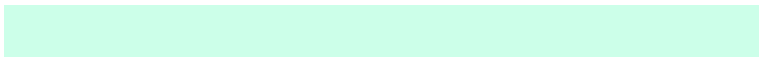
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0477, 88.9118, 73.0403



68.2194, 87.0679, 67.0005



75.3560, 90.2351, 90.4618



17.8294, 20.1913, 19.4045



18.7716, 37.4052, 6.6826



1.8467, 3.6496, 0.7507



# Inverse Universe

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



80.2457, 71.4114, 100.8206



77.7738, 66.6692, 99.3755



76.5745, 69.9430, 81.4885



18.7276, 18.2743, 22.4484



29.4097, 14.2532, 42.4035

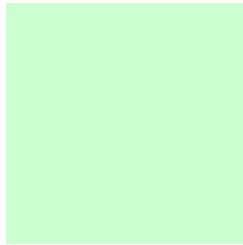


2.8810, 1.3948, 4.2210



# Previews

## White Background



This preview shows how the XYZ color 72.0470, 88.9114, 73.0389 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

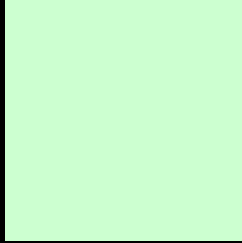
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0470, 88.9114, 73.0389 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

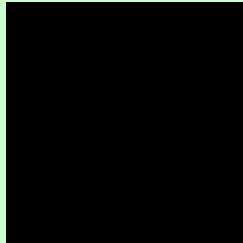
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

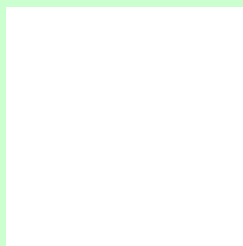
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0470, 88.9114, 73.0389**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0470, 88.9114, 73.0389.



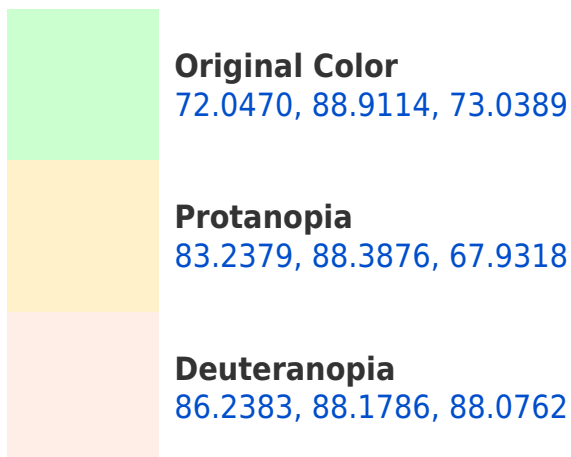
This preview shows how white text looks on a background with the XYZ color 72.0470, 88.9114,



# 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





## Tritanopia

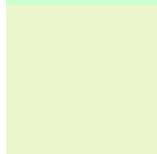
82.3956, 88.4153, 107.3309

# Trichromacy



## Original Color

72.0470, 88.9114, 73.0389



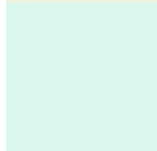
## Protanomaly

78.4469, 88.1040, 69.9979



## Deuteranomaly

80.2620, 87.8619, 82.5408



## Tritanomaly

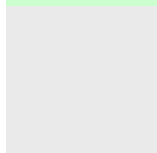
78.2134, 88.3679, 93.8233

# Monochromacy



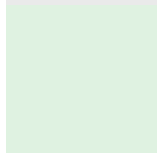
## Original Color

72.0470, 88.9114, 73.0389



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.7742, 84.6285, 83.5754

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0470, 88.9114, 73.0389 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0470, 88.9114, 73.0389 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, 208) }
```



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

```
.border{ border-color:rgb(204, 255, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0470, 88.9114, 73.0389 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, 208) }
```

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

```
.background{ background-color: rgb(204,  
255, 208) }
```

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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