

Converting Colors

XYZ(72.2787, 89.0870, 70.5128)

Have a look what the booklet for
XYZ(72.2787, 89.0870, 70.5128)
contains.

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Color

**XYZ(72.3912, 89.1450,
70.5180)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFCC
RGB	207, 255, 204
RGB Percent	81%, 100%, 80%
CMY	0.1882, 0.0000, 0.2000
CMYK	0.19, 0.00, 0.20, 0.00
HSL	116°, 100%, 90%
HSV	116°, 20%, 100%
XYZ	72.3912, 89.1450, 70.5180
YIQ	234.8340, -12.2370, -26.0370

Conversions

Conversions Part 2

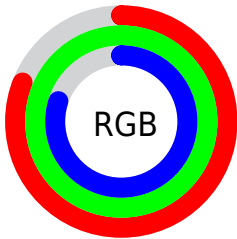
Format	Color
R_{YB}	204, 255, 252
Decimal	13631436
CIE Lab	95.64, -24.59, 19.45
CIE LCh	96, 31.353, 141.667
Yxy	89.1450, 0.3120, 0.3842
Android (android.graphics.Color)	4291821516 (0xFFCFFFCC)
YUV	234.8340, -15.2012, -24.4104
Hunter-Lab	94.4166, -28.3694, 21.8091

Details

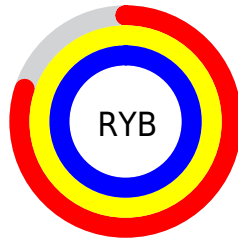
The XYZ color **72.3912, 89.1450, 70.5180** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.7885, 71.1023, 104.1266**, and the grayscale version is **78.9576, 83.0695, 90.4627**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6480, 49.2656, 36.3264** is the 20% darker color. If you saturate the color by 10%, you get **63.3751, 84.8220, 55.4163**, and if you desaturate by 10%, it is **82.9286, 94.1944, 88.3074**.

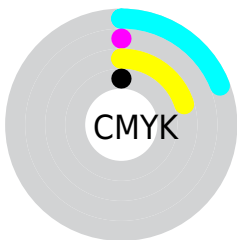
Distribution



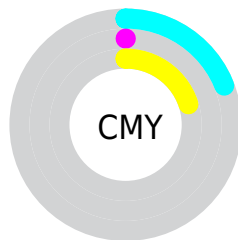
- Red (81%)
- Green (100%)
- Blue (80%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3912, 89.1450, 70.5180 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 72.3912, 89.1450, 70.5180 by changing the saturation by 10% instead.

 72.3912, 89.1450,
70.5180

 72.3912, 89.1450,
70.5180


458.0386,
525.2456, 481.2049

 53.7649, 67.2717,
51.4695


121.6203,
146.1502, 121.6352

 38.6437, 49.3055,
36.2031


152.9539,
182.0509, 154.5410

 26.6621, 34.8619,
24.3002


189.2539,
223.3962, 192.9030

 17.4549, 23.5565,
15.3422

230.8858,
270.5705, 237.1398

 10.6567, 15.0050,
8.9106

278.2149,
323.9582, 287.6698

 5.9020, 8.8229,
4.5869

331.6064,

 2.8257, 4.6258,

383.9437, 344.9116

1.9525

391.4259,
450.9114, 409.2838

■ 1.0623, 2.0294,
0.5259

■ 0.0000, 0.6245,
0.0000

■ 72.3912, 89.1450,
70.5180

■ 72.3912, 89.1450,
70.5180

■ 63.3751, 84.8220,
55.4163

■ 82.9286, 94.1944,
88.3074

■ 55.8082, 81.1910,
42.8679

95.0500, 100.0000,
108.9000

■ 49.6153, 78.2164,
32.7329

■ 44.7139, 75.8589,
24.8565

■ 41.0125, 74.0750,
19.0657

■ 38.4075, 72.8158,
15.1628

■ 36.7776, 72.0237,
12.9119

■ 35.9570, 71.6216,
11.9293

■ 35.9569, 71.6215,
11.9292

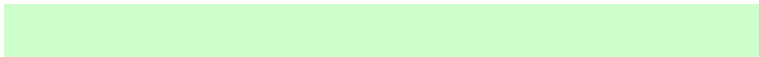
Harmonies

Analogous

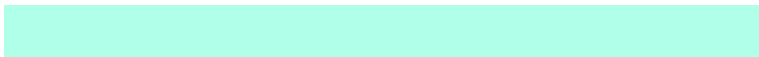
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7608, 89.1450, 59.3204



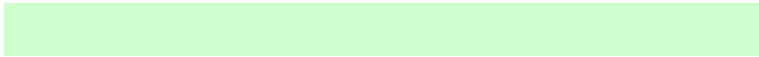
72.3912, 89.1450, 70.5180



69.3768, 89.1450, 90.3511

Triad

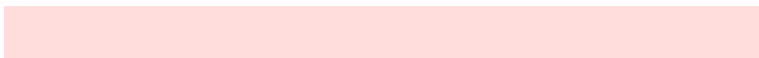
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3912, 89.1450, 70.5180



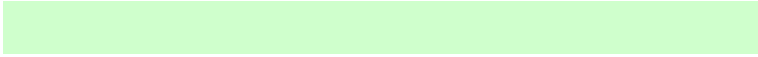
82.3522, 89.1450, 151.9632



101.0715, 89.1450, 80.5837

Complementary

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



72.3912, 89.1450, 70.5180



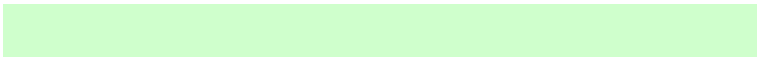
79.7885, 71.1023, 104.1266

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.



102.1952, 89.1450, 104.1009



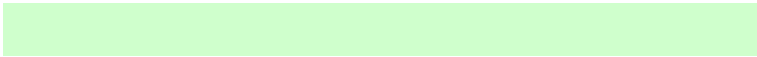
72.3912, 89.1450, 70.5180



90.9926, 89.1450, 148.1520

Square

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



72.3912, 89.1450, 70.5180



74.8674, 89.1450, 139.2255



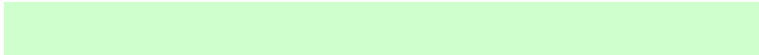
98.3960, 89.1450, 129.5533



95.4221, 89.1450, 64.4095

Rectangle

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



72.3912, 89.1450, 70.5180



69.5234, 89.1450, 106.9750



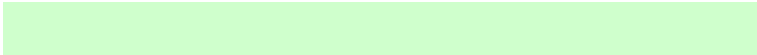
98.3960, 89.1450, 129.5533



102.0057, 89.1450, 87.7844

Sweetspot

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



72.3918, 89.1453, 70.5194



87.5828, 96.4239, 96.2002



86.8243, 94.9897, 70.8868



18.5799, 20.5590, 20.3082



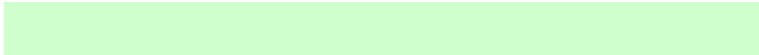
0.0000, 0.0000, 0.0000



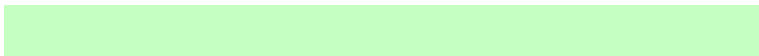
20.3446, 21.4041, 23.3091

Same Dimension

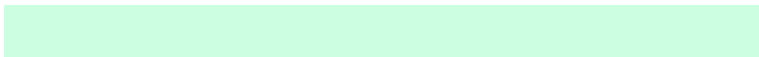
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3918, 89.1453, 70.5194



68.6058, 87.3303, 64.1618



74.4038, 89.8542, 85.4464



17.8704, 20.2191, 19.1051



18.8267, 37.4436, 6.2351



1.8663, 3.6629, 0.6086

Inverse Universe

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



79.7885, 71.1023, 104.1266



77.2255, 66.2983, 103.3344



77.5272, 70.3243, 86.5044



18.6809, 18.2428, 22.7866



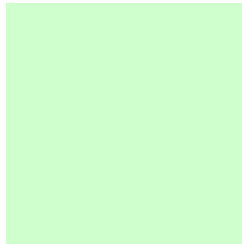
28.2545, 13.4762, 50.5466



2.7818, 1.3280, 4.9230

Previews

White Background



This preview shows how the XYZ color 72.3912, 89.1450, 70.5180 looks on a white background.

Color Contrast Check

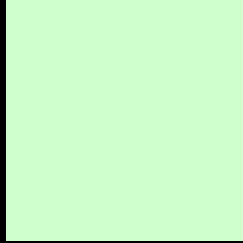
Large Text (above 18pt) WCAG AA × Fail

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 72.3912, 89.1450, 70.5180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

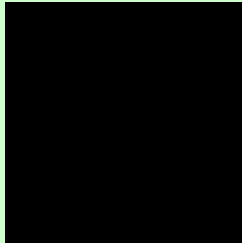
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

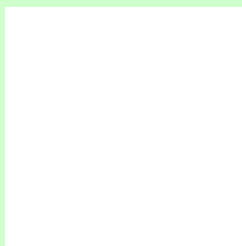
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3912, 89.1450, 70.5180

Background



This preview shows how black text looks on a background with the XYZ color 72.3912, 89.1450, 70.5180.



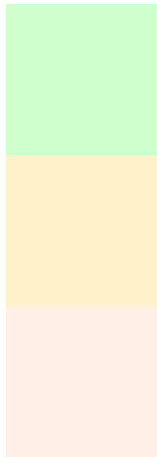
This preview shows how white text looks on a background with the XYZ color 72.3912, 89.1450,

70.5180.

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

72.3912, 89.1450, 70.5180

Protanopia

83.2379, 88.3876, 67.9318

Deuteranopia

86.5303, 88.7625, 88.1735



Tritanopia

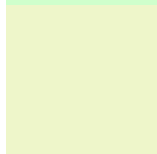
82.7138, 88.5794, 107.3458

Trichromacy



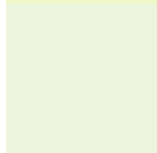
Original Color

72.3912, 89.1450, 70.5180



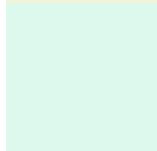
Protanomaly

78.8763, 88.3529, 68.7737



Deuteranomaly

80.9634, 88.7024, 81.2607



Tritanomaly

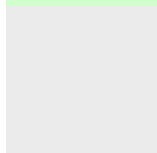
78.5265, 88.5631, 92.3125

Monochromacy



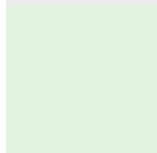
Original Color

72.3912, 89.1450, 70.5180



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.2580, 84.8936, 82.8879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3912, 89.1450, 70.5180 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, 204)` looks like.

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

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, 204) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 72.3912, 89.1450, 70.5180 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, 204) }
```


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

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

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, 204)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 72.3912, 89.1450, 70.5180 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, 204) }
```

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

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

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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