

# Converting Colors

XYZ(72.3086, 89.0161, 74.4168)

Have a look what the booklet for  
XYZ(72.3086, 89.0161, 74.4168)  
contains.

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# Color

**XYZ(72.2947, 89.0105,  
74.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFD2
RGB	204, 255, 210
RGB Percent	80%, 100%, 82%
CMY	0.2000, 0.0000, 0.1765
CMYK	0.20, 0.00, 0.18, 0.00
HSL	127°, 100%, 90%
HSV	127°, 20%, 100%
XYZ	72.2947, 89.0105, 74.3432
YIQ	234.6210, -15.9510, -24.8070

# Conversions

## Conversions Part 2

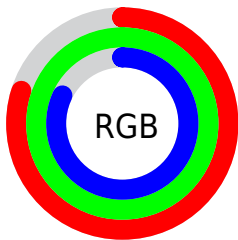
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 250, 255
Decimal	13434834
CIELab	95.58, -24.55, 16.28
CIELCh	96, 29.459, 146.463
Yxy	89.0105, 0.3068, 0.3777
Android (android.graphics.Color)	4291624914 (0xFFCCFFD2)
YUV	234.6210, -12.1382, -26.8546
Hunter-Lab	94.3454, -28.3239, 19.3218

# Details

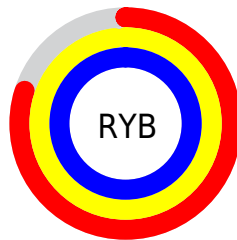
The XYZ color **72.2947, 89.0105, 74.3432** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.9320, 71.2860, 99.1687**, and the grayscale version is **78.7751, 82.8775, 90.2536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5049, 49.1443, 38.4667** is the 20% darker color. If you saturate the color by 10%, you get **63.2589, 84.6538, 60.3020**, and if you desaturate by 10%, it is **82.8702, 94.1154, 90.5165**.

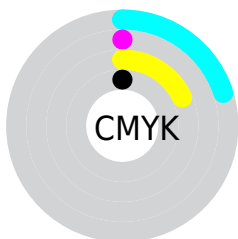
# Distribution



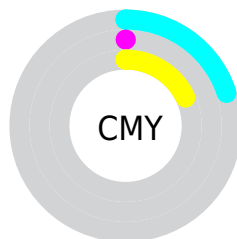
- Red (80%)
- Green (100%)
- Blue (82%)



- 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 72.2947, 89.0105, 74.3432 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 72.2947, 89.0105, 74.3432 by changing the saturation by 10% instead.




 72.2947, 89.0105,  
74.3432

 72.2947, 89.0105,  
74.3432


457.7084,  
524.8068, 494.8521

 53.6858, 67.1603,  
54.5765


121.4840,  
145.9632, 127.1207

 38.5802, 49.2149,  
38.6664


152.7950,  
181.8344, 160.9686

 26.6125, 34.7900,  
26.1945


189.0708,  
223.1480, 200.3474

 17.4175, 23.5011,  
16.7421

230.6767,  
270.2885, 245.6754

 10.6298, 14.9640,  
9.8908

277.9780,  
323.6403, 297.3714

 5.8839, 8.7941,  
5.2220

331.3402,

 2.8146, 4.6071,

383.5876, 355.8538

2.3171

391.1286,  
450.5150, 421.5412

■ 1.0565, 2.0186,  
0.7408

■ 0.0000, 0.6183,  
0.0000

■ 72.2947, 89.0105,  
74.3432

■ 72.2947, 89.0105,  
74.3432

■ 63.2589, 84.6538,  
60.3020

■ 82.8702, 94.1154,  
90.5165

■ 55.6890, 81.0092,  
48.2999

95.0500, 100.0000,  
108.9000

■ 49.5077, 78.0388,  
38.2434

■ 44.6301, 75.7010,  
30.0300

■ 40.9618, 73.9496,  
23.5477

■ 38.3955, 72.7319,  
18.6724

■ 36.8046, 71.9856,  
15.2636

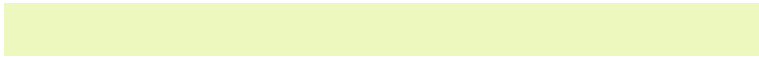
■ 35.9944, 71.6138,  
13.1544

■ 35.9944, 71.6138,  
13.1543

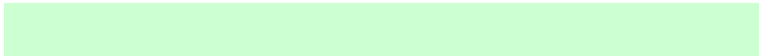
# Harmonies

## Analogous

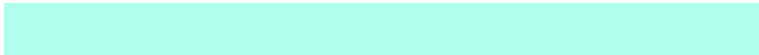
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8619, 89.0105, 62.2756



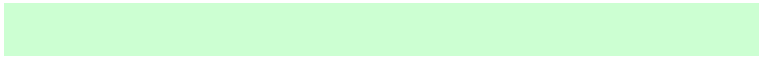
72.2947, 89.0105, 74.3432



70.0154, 89.0105, 94.1967

# Triad

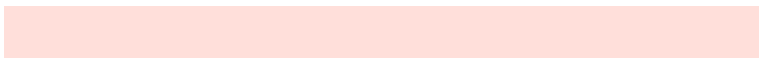
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2947, 89.0105, 74.3432



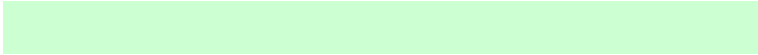
83.6465, 89.0105, 148.4896



99.2951, 89.0105, 78.4010

# Complementary

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



72.2947, 89.0105, 74.3432



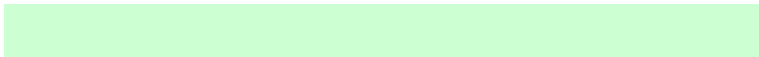
79.9320, 71.2860, 99.1687

# 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.



101.0852, 89.0105, 99.6898



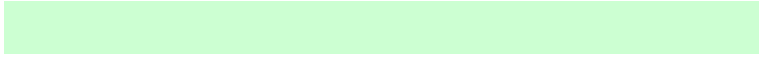
72.2947, 89.0105, 74.3432



91.7199, 89.0105, 142.4855

# Square

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



72.2947, 89.0105, 74.3432



76.3009, 89.0105, 138.9639



98.2319, 89.0105, 123.6528

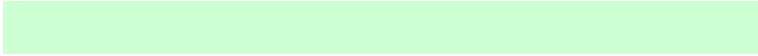


93.4840, 89.0105, 64.3431



# Rectangle

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



72.2947, 89.0105, 74.3432



70.5525, 89.0105, 110.0897



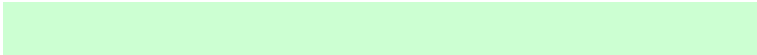
98.2319, 89.0105, 123.6528



100.4024, 89.0105, 84.8399

# Sweetspot

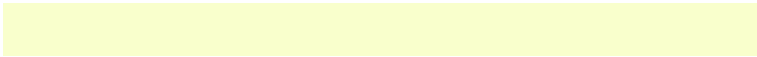
The Sweet Spot groups the original color and five complimentary colors.



72.2954, 89.0108, 74.3446



87.5454, 96.3736, 97.5992



85.7441, 96.0287, 71.1439



18.5711, 20.5471, 20.6374



0.0000, 0.0000, 0.0000

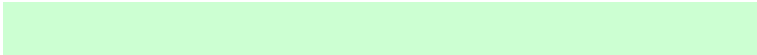


20.3446, 21.4041, 23.3091

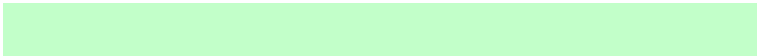


# Same Dimension

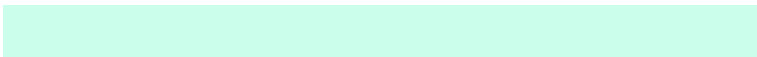
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2954, 89.0108, 74.3446



68.4996, 87.1800, 68.4760



75.7229, 90.3818, 92.3934



17.8585, 20.2029, 19.5577



18.8351, 37.4306, 7.0169



1.8604, 3.6551, 0.8228



# Inverse Universe

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



79.9320, 71.2860, 99.1687



77.3994, 66.5194, 97.4037



76.2269, 69.8039, 79.6580



18.6952, 18.2614, 22.2781



28.6865, 13.9639, 38.5951

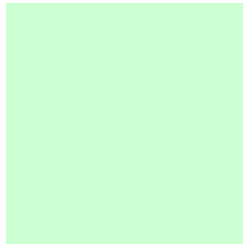


2.8180, 1.3696, 3.8892



# Previews

## White Background



This preview shows how the XYZ color 72.2947, 89.0105, 74.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

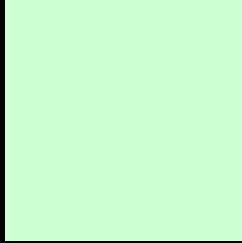
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2947, 89.0105, 74.3432 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

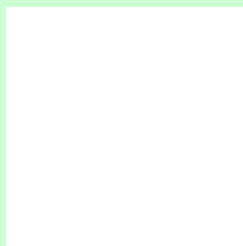
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2947, 89.0105, 74.3432**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2947, 89.0105, 74.3432.



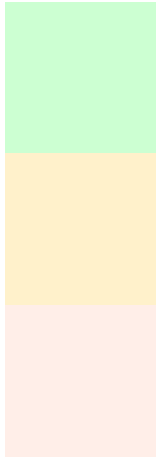
This preview shows how white text looks on a background with the XYZ color 72.2947, 89.0105,

74.3432.

# 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

72.2947, 89.0105, 74.3432

### Protanopia

83.4748, 88.4824, 69.1791

### Deuteranopia

86.3800, 88.2353, 88.8223



## Tritanopia

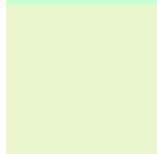
82.6973, 89.0188, 107.4315

# Trichromacy



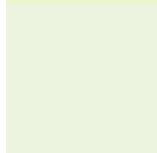
## Original Color

72.2947, 89.0105, 74.3432



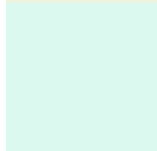
## Protanomaly

78.6884, 88.2006, 71.2696



## Deuteranomaly

80.3973, 87.9161, 83.2531



## Tritanomaly

78.6691, 89.0434, 94.7022

# Monochromacy



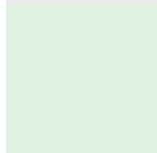
## Original Color

72.2947, 89.0105, 74.3432



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

76.2201, 84.8425, 84.3105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2947, 89.0105, 74.3432 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2947, 89.0105, 74.3432 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, 210) }
```



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

```
.border{ border-color:rgb(204, 255, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2947, 89.0105, 74.3432 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, 210) }
```

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

```
.background{ background-color: rgb(204,  
255, 210) }
```

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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