

# Converting Colors

XYZ(85.7092, 116.2769,  
73.3104)

Have a look what the booklet for  
XYZ(85.7092, 116.2769, 73.3104)  
contains.

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# Color

**XYZ(72.0347, 89.0024,  
68.6409)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFFFC9
RGB	207, 255, 201
RGB Percent	81%, 100%, 79%
CMY	0.1882, 0.0000, 0.2118
CMYK	0.19, 0.00, 0.21, 0.00
HSL	113°, 100%, 89%
HSV	113°, 21%, 100%
XYZ	72.0347, 89.0024, 68.6409
YIQ	234.4920, -11.2740, -26.9700

# Conversions

## Conversions Part 2

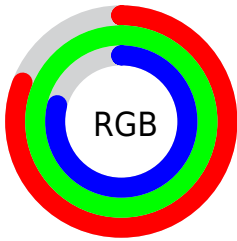
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 255, 249
Decimal	13631433
CIE <sub>Lab</sub>	95.58, -25.09, 20.89
CIE <sub>LCh</sub>	96, 32.648, 140.214
Yxy	89.0024, 0.3136, 0.3875
Android (android.graphics.Color)	4291821513 (0xFFCFFFC9)
YUV	234.4920, -16.5116, -24.1105
Hunter-Lab	94.3411, -28.8022, 22.9004

# Details

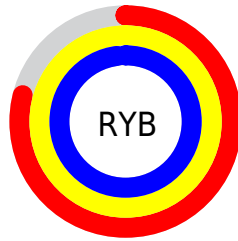
The XYZ color **72.0347, 89.0024, 68.6409** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.0045, 69.1342, 103.8407**, and the grayscale version is **78.7066, 82.8055, 90.1752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4094, 49.1702, 35.0702** is the 20% darker color. If you saturate the color by 10%, you get **63.3946, 84.8666, 53.8562**, and if you desaturate by 10%, it is **82.0832, 93.8067, 86.0936**.

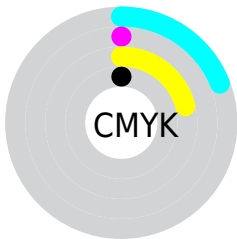
# Distribution



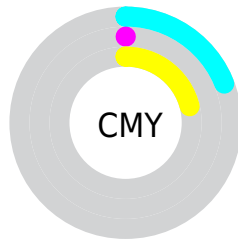
- Red (81%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (98%)



- Cyan (19%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0347, 89.0024, 68.6409 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 72.0347, 89.0024, 68.6409 by changing the saturation by 10% instead.




 72.0347, 89.0024,  
68.6409

 72.0347, 89.0024,  
68.6409


456.8181,  
524.7803, 474.4230

 53.4726, 67.1535,  
49.9494


121.1164,  
145.9519, 118.9314

 38.4092, 49.2094,  
35.0023


152.3667,  
181.8213, 151.3674

 26.4791, 34.7856,  
23.3811


188.5771,  
223.1331, 189.2221

 17.3169, 23.4978,  
14.6672

230.1130,  
270.2715, 232.9138

 10.5574, 14.9615,  
8.4421

277.3396,  
323.6211, 282.8613

 5.8352, 8.7924,  
4.2873

330.6225,

 2.7848, 4.6060,

383.5662, 339.4829

1.7843

390.3269,  
450.4911, 403.1973

■ 1.0410, 2.0180,  
0.4175

■ 0.0000, 0.6179,  
0.0000

■ 72.0347, 89.0024,  
68.6409

■ 72.0347, 89.0024,  
68.6409

■ 63.3946, 84.8666,  
53.8562

■ 82.0832, 93.8067,  
86.0936

■ 56.0979, 81.3686,  
41.6041

■ 93.5974, 99.3065,  
106.3322

■ 50.0774, 78.4769,  
31.7439

■ 95.0500, 100.0000,  
108.9000

■ 45.2590, 76.1568,  
24.1193

■ 41.5612, 74.3698,  
18.5553

■ 38.8920, 73.0730,  
14.8512

■ 37.1443, 72.2164,  
12.7661

■ 36.2479, 71.7715,  
11.9428

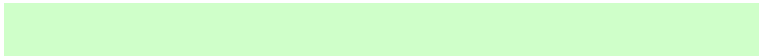
# Harmonies

## Analogous

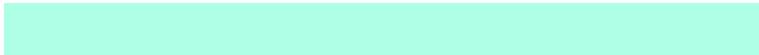
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.7803, 89.0024, 57.5917



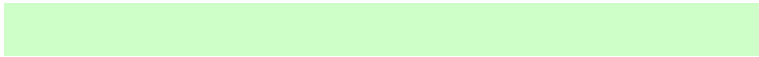
72.0347, 89.0024, 68.6409



68.7280, 89.0024, 88.7620

# Triad

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



72.0347, 89.0024, 68.6409



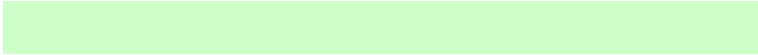
81.6996, 89.0024, 154.1117



101.8119, 89.0024, 80.8415

# Complementary

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



72.0347, 89.0024, 68.6409



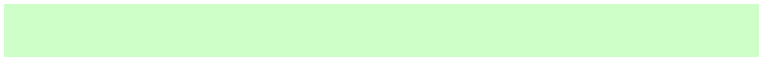
78.0045, 69.1342, 103.8407

# 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.



102.7315, 89.0024, 105.5388



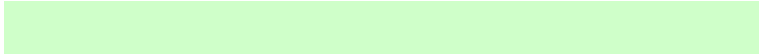
72.0347, 89.0024, 68.6409



90.6872, 89.0024, 150.9715

# Square

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



72.0347, 89.0024, 68.6409



74.0420, 89.0024, 139.9799



98.5346, 89.0024, 132.0334

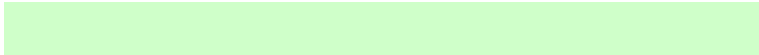


96.1040, 89.0024, 63.7252



# Rectangle

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



72.0347, 89.0024, 68.6409



68.7474, 89.0024, 105.9228



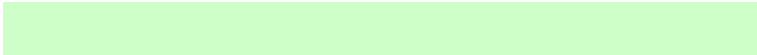
98.5346, 89.0024, 132.0334



102.7061, 89.0024, 88.4207

# Sweetspot

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



72.0353, 89.0027, 68.6423



87.8559, 96.5647, 96.2130



85.5660, 93.0434, 68.7091



18.6442, 20.5921, 20.3113



0.0000, 0.0000, 0.0000

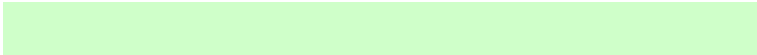


20.3446, 21.4041, 23.3091

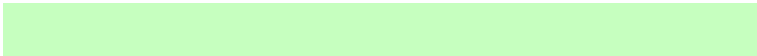


# Same Dimension

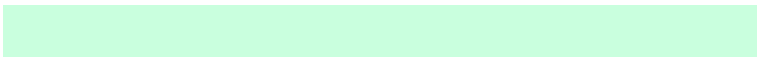
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0353, 89.0027, 68.6423



68.5679, 87.3436, 62.6797



72.9928, 89.1957, 82.2669



17.9589, 20.2647, 19.1093



18.9999, 37.5329, 6.2432



1.9080, 3.6844, 0.6106



# Inverse Universe

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



78.0045, 69.1342, 103.8407



75.4176, 64.5321, 103.0888



77.0217, 68.9921, 87.3260



18.5822, 18.1919, 22.7819



26.0097, 12.3190, 50.4415

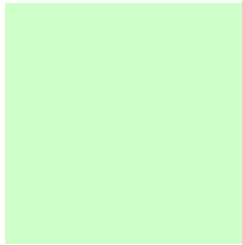


2.5868, 1.2274, 4.9139



# Previews

## White Background



This preview shows how the XYZ color 72.0347, 89.0024, 68.6409 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

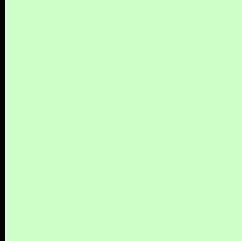
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0347, 89.0024, 68.6409 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

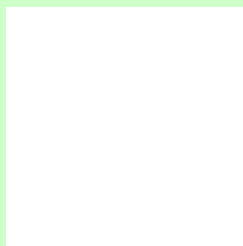
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.0347, 89.0024, 68.6409**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0347, 89.0024, 68.6409.



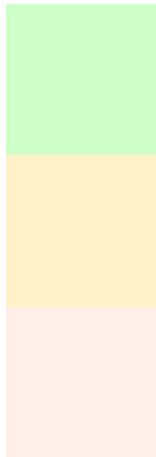
This preview shows how white text looks on a background with the XYZ color 72.0347, 89.0024,



# 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

72.0347, 89.0024, 68.6409

### Protanopia

83.1206, 88.3407, 67.3141

### Deuteranopia

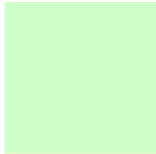
86.3894, 88.7062, 87.4317



## Tritanopia

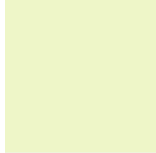
82.7138, 88.5794, 107.3458

# Trichromacy



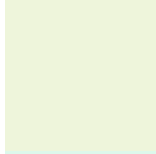
## Original Color

72.0347, 89.0024, 68.6409



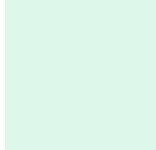
## Protanomaly

78.6410, 88.2588, 67.5344



## Deuteranomaly

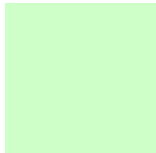
80.6985, 88.5964, 79.8654



## Tritanomaly

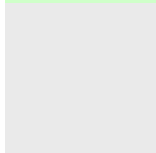
78.3816, 88.5051, 91.5493

# Monochromacy



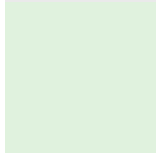
## Original Color

72.0347, 89.0024, 68.6409



## 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 72.0347, 89.0024, 68.6409 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0347, 89.0024, 68.6409 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, 201) }
```



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

```
.border{ border-color:rgb(207, 255, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0347, 89.0024, 68.6409 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, 201) }
```

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

```
.background{ background-color: rgb(207,  
255, 201) }
```

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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