

# Converting Colors

XYZ(72.1467, 89.3732, 54.4998)

Have a look what the booklet for  
XYZ(72.1467, 89.3732, 54.4998)  
contains.

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# Color

**XYZ(72.2117, 89.4063,  
54.5255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9FFB0
RGB	217, 255, 176
RGB Percent	85%, 100%, 69%
CMY	0.1490, 0.0000, 0.3098
CMYK	0.15, 0.00, 0.31, 0.00
HSL	89°, 100%, 85%
HSV	89°, 31%, 100%
XYZ	72.2117, 89.4063, 54.5255
YIQ	234.6320, 2.7110, -32.6250

# Conversions

## Conversions Part 2

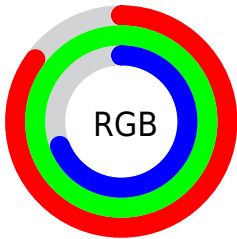
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 255, 214
Decimal	14286768
CIELab	95.75, -25.44, 33.85
CIELCh	96, 42.345, 126.927
Yxy	89.4063, 0.3341, 0.4136
Android (android.graphics.Color)	4292476848 (0xFFD9FFB0)
YUV	234.6320, -28.9056, -15.4633
Hunter-Lab	94.5549, -29.1504, 31.9986

# Details

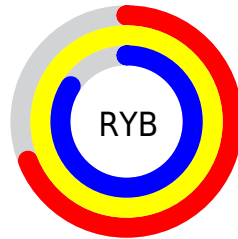
The XYZ color **72.2117, 89.4063, 54.5255** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.3080, 52.5681, 101.5231**, and the grayscale version is **78.8965, 83.0053, 90.3927**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **38.4672, 49.3953, 26.2457** is the 20% darker color. If you saturate the color by 10%, you get **66.4092, 86.6796, 42.2975**, and if you desaturate by 10%, it is **78.7600, 92.4626, 69.2648**.

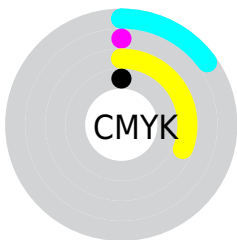
# Distribution



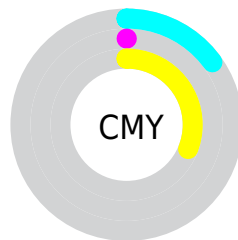
- Red (85%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (84%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2117, 89.4063, 54.5255 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 72.2117, 89.4063, 54.5255 by changing the saturation by 10% instead.




 72.2117, 89.4063,  
54.5255

 72.2117, 89.4063,  
54.5255


457.4243,  
526.0977, 421.3419

 53.6177, 67.4883,  
38.6259


 121.3666,  
146.5134, 98.3096

 38.5256, 49.4816,  
26.1632


152.6583,  
182.4714, 127.0311

 26.5699, 35.0017,  
16.7189


188.9132,  
223.8782, 160.8637

 17.3854, 23.6642,  
9.8745

230.4968,  
271.1181, 200.2260

 10.6066, 15.0847,  
5.2113

277.7743,  
324.5757, 245.5364

 5.8683, 8.8788,  
2.3109

331.1112,

 2.8051, 4.6622,

384.6352, 297.2135

0.7373

390.8727,  
451.6810, 355.6758

■ 1.0515, 2.0505,  
0.0000

■ 0.0000, 0.6366,  
0.0000

■ 72.2117, 89.4063,  
54.5255

■ 72.2117, 89.4063,  
54.5255

■ 66.4092, 86.6796,  
42.2975

■ 78.7600, 92.4626,  
69.2648

■ 61.3188, 84.2684,  
32.4365

■ 86.0832, 95.8608,  
86.6408

■ 56.9057, 82.1581,  
24.7896

■ 94.2099, 99.6130,  
106.7754

■ 53.1309, 80.3323,  
19.1844

■ 95.0500, 100.0000,  
108.9000

■ 49.9504, 78.7726,  
15.4230

■ 47.3124, 77.4576,  
13.2679

■ 45.3288, 76.4529,  
12.3678

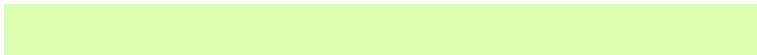
# Harmonies

## Analogous

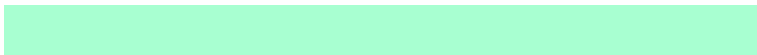
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3034, 89.4063, 46.5220



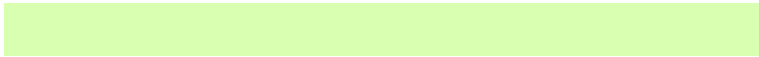
72.2117, 89.4063, 54.5255



65.9818, 89.4063, 74.2987

# Triad

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



72.2117, 89.4063, 54.5255



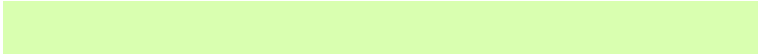
76.4941, 89.4063, 169.1440



109.2240, 89.4063, 89.8101

# Complementary

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



72.2117, 89.4063, 54.5255



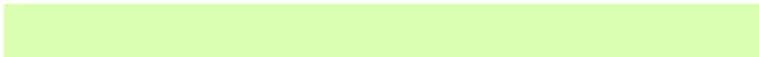
61.3080, 52.5681, 101.5231

# Split Complementary

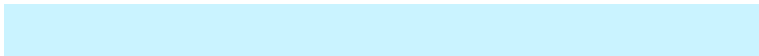
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.3095, 89.4063, 124.7309



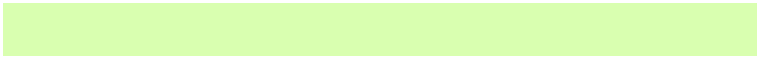
72.2117, 89.4063, 54.5255



87.7099, 89.4063, 175.9771

# Square

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



72.2117, 89.4063, 54.5255



68.2918, 89.4063, 141.2270



99.1667, 89.4063, 158.2001

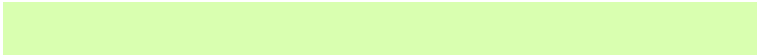


104.1823, 89.4063, 63.6534

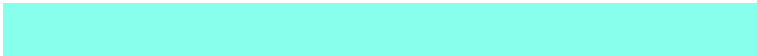


# Rectangle

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



72.2117, 89.4063, 54.5255



64.5057, 89.4063, 93.9483



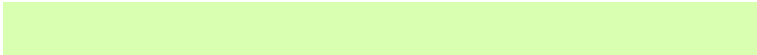
99.1667, 89.4063, 158.2001



109.3795, 89.4063, 100.8293

# Sweetspot

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



72.2121, 89.4065, 54.5268



87.6271, 96.5751, 90.4036



72.8378, 71.9168, 51.1180



18.5122, 20.5584, 18.7558



0.0000, 0.0000, 0.0000

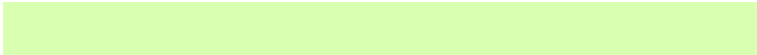


20.3446, 21.4041, 23.3091

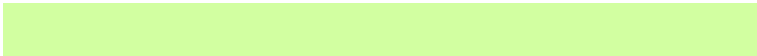


# Same Dimension

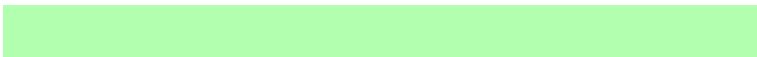
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2121, 89.4065, 54.5268



68.6312, 87.7261, 46.8722



62.1031, 84.1951, 54.0537



18.6709, 20.6318, 19.1426



23.8588, 40.0377, 6.4706



2.4492, 3.9634, 0.6359



# Inverse Universe

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



61.3080, 52.5681, 101.5231



56.1970, 45.7143, 100.4696



73.8537, 59.0357, 102.1102



17.8345, 17.8064, 22.7470



13.8447, 6.0477, 49.8722

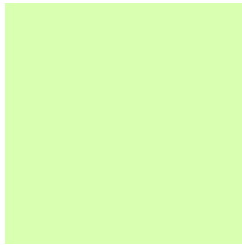


1.4734, 0.6535, 4.8617



# Previews

## White Background



This preview shows how the XYZ color 72.2117, 89.4063, 54.5255 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 72.2117, 89.4063, 54.5255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

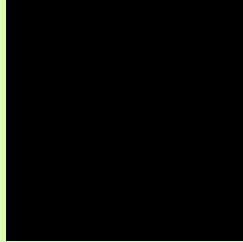
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

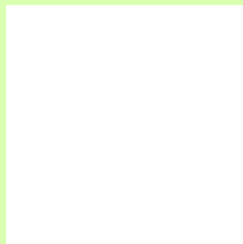
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.2117, 89.4063, 54.5255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2117, 89.4063, 54.5255.



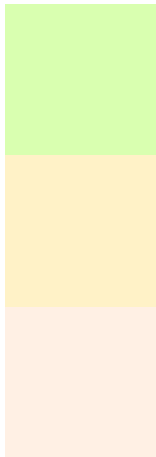
This preview shows how white text looks on a background with the XYZ color 72.2117, 89.4063,

54.5255.

# 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

72.2117, 89.4063, 54.5255

### Protanopia

83.3009, 88.8878, 66.7995

### Deuteranopia

86.4037, 89.1816, 86.0586



## Tritanopia

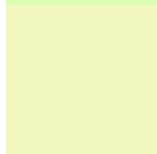
84.3615, 88.9834, 107.3369

# Trichromacy



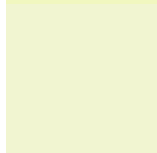
## Original Color

72.2117, 89.4063, 54.5255



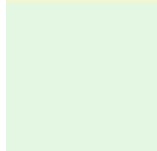
## Protanomaly

78.9404, 88.9839, 62.3052



## Deuteranomaly

80.4367, 88.6090, 73.1854



## Tritanomaly

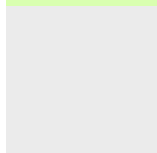
78.9831, 88.5065, 84.8721

# Monochromacy



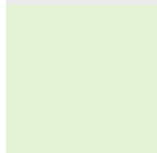
## Original Color

72.2117, 89.4063, 54.5255



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

75.8846, 84.8533, 75.9971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2117, 89.4063, 54.5255 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(217, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 176)  
}
```

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(217, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2117, 89.4063, 54.5255 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(217, 255, 176) }
```



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

```
.border{ border-color:rgb(217, 255, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(217, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2117, 89.4063, 54.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 176) }
```

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

```
.background{ background-color: rgb(217,  
255, 176) }
```

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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