

# Converting Colors

XYZ(81.7302, 109.3150,  
53.5667)

Have a look what the booklet for  
XYZ(81.7302, 109.3150, 53.5667)  
contains.

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# Color

**XYZ(71.6485, 89.2154,  
50.0032)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAFFA7
RGB	218, 255, 167
RGB Percent	85%, 100%, 65%
CMY	0.1451, 0.0000, 0.3451
CMYK	0.15, 0.00, 0.35, 0.00
HSL	85°, 100%, 83%
HSV	85°, 35%, 100%
XYZ	71.6485, 89.2154, 50.0032
YIQ	233.9050, 6.1960, -35.2120

# Conversions

## Conversions Part 2

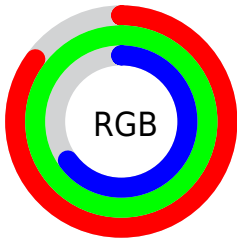
Format	Color
<b>RYB</b>	167, 255, 204
Decimal	14352295
CIELab	95.67, -26.29, 38.23
CIELCh	96, 46.397, 124.512
Yxy	89.2154, 0.3398, 0.4231
Android (android.graphics.Color)	4292542375 (0xFFDAFFA7)
YUV	233.9050, -32.9842, -13.9487
Hunter-Lab	94.4539, -29.8922, 34.7300

# Details

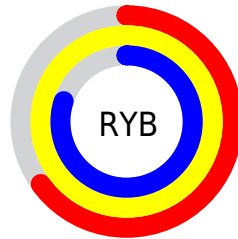
The XYZ color **71.6485, 89.2154, 50.0032** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.7716, 47.6960, 100.8218**, and the grayscale version is **78.3727, 82.4542, 89.7926**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **38.1316, 49.2845, 23.4227** is the 20% darker color. If you saturate the color by 10%, you get **66.4153, 86.7637, 38.6424**, and if you desaturate by 10%, it is **77.5548, 91.9605, 63.8242**.

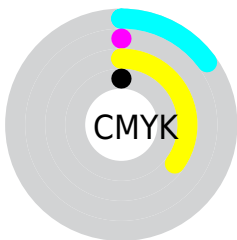
# Distribution



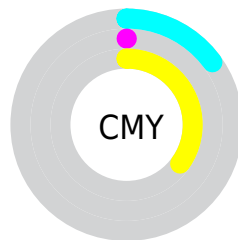
- Red (85%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6485, 89.2154, 50.0032 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 71.6485, 89.2154, 50.0032 by changing the saturation by 10% instead.





 71.6485, 89.2154,  
50.0032


 71.6485, 89.2154,  
50.0032


455.4939,  
525.4753, 403.4139

 53.1560, 67.3301,  
35.0447


 120.5702,  
146.2481, 91.5760

 38.1553, 49.3529,  
23.4135


 151.7301,  
182.1642, 119.0274

 26.2810, 34.8995,  
14.6910


187.8432,  
223.5261, 151.4802

 17.1678, 23.5855,  
8.4586

229.2748,  
270.7181, 189.3529

 10.4502, 15.0264,  
4.2978

276.3903,  
324.1246, 233.0641

 5.7630, 8.8379,  
1.7901


329.5551,


 2.7408, 4.6356,


384.1301, 283.0323


0.4214


389.1345,  
451.1188, 339.6760


 1.0182, 2.0351,  
0.0000


 0.0000, 0.6277,  
0.0000


 71.6485, 89.2154,  
50.0032


 71.6485, 89.2154,  
50.0032


 66.4153, 86.7637,  
38.6424


 77.5548, 91.9605,  
63.8242

 61.8227, 84.5916,  
29.5932

 84.1619, 95.0102,  
80.2344

 57.8367, 82.6853,  
22.6969

 91.4975, 98.3761,  
99.3585

 54.4189, 81.0288,  
17.7734

95.0500, 100.0000,  
108.9000

■ 51.5255, 79.6041,  
14.6129

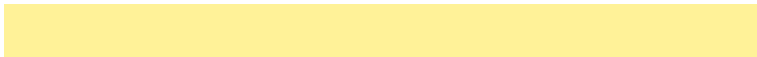
■ 49.1030, 78.3894,  
12.9582

■ 47.9335, 77.7957,  
12.4897

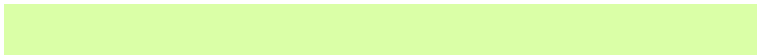
# Harmonies

## Analogous

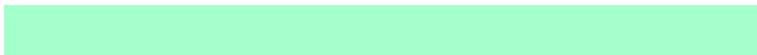
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8823, 89.2154, 42.6032



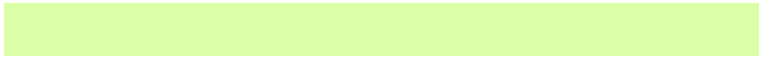
71.6485, 89.2154, 50.0032



64.5321, 89.2154, 69.9456

# Triad

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



71.6485, 89.2154, 50.0032



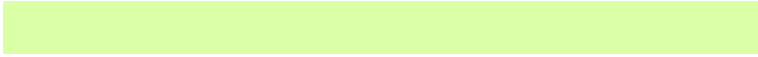
74.6761, 89.2154, 175.3210



111.6659, 89.2154, 91.7203

# Complementary

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



71.6485, 89.2154, 50.0032



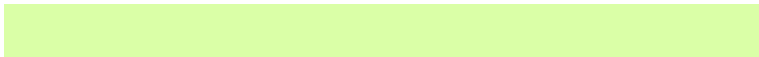
56.7716, 47.6960, 100.8218

# 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.



108.9128, 89.2154, 130.6029



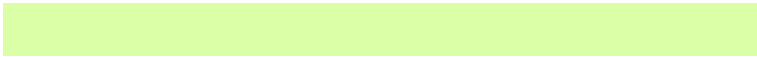
71.6485, 89.2154, 50.0032



86.7401, 89.2154, 185.3144

# Square

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



71.6485, 89.2154, 50.0032



66.1534, 89.2154, 142.6085



99.4621, 89.2154, 167.2590

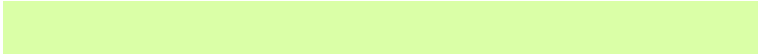


106.6495, 89.2154, 62.5371



# Rectangle

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



71.6485, 89.2154, 50.0032



62.6550, 89.2154, 90.5774



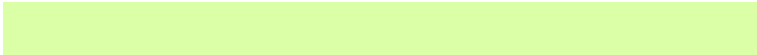
99.4621, 89.2154, 167.2590



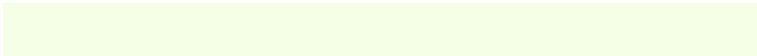
111.6221, 89.2154, 104.0130

# Sweetspot

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



71.6489, 89.2156, 50.0045



87.3777, 96.4880, 88.5141



69.7294, 67.0783, 45.8327



18.4844, 20.5523, 18.3804



0.0000, 0.0000, 0.0000

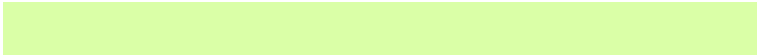


20.3446, 21.4041, 23.3091

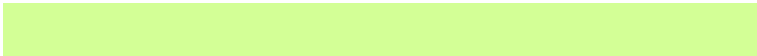


# Same Dimension

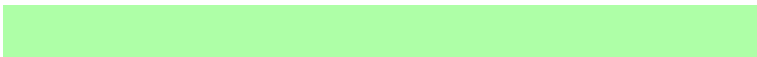
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6489, 89.2156, 50.0045



68.1770, 87.5915, 42.3580



60.2657, 83.3474, 49.4718



18.7800, 20.6880, 19.1477



25.2204, 40.7397, 6.5343



2.5803, 4.0310, 0.6421



# Inverse Universe

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



56.7716, 47.6960, 100.8218



51.3816, 40.7001, 99.7555



70.4626, 54.7540, 101.4625



17.7268, 17.7509, 22.7419



12.7748, 5.4961, 49.8221

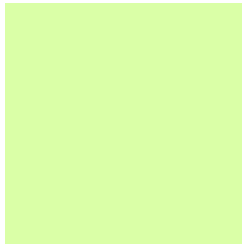


1.3652, 0.5977, 4.8567



# Previews

## White Background



This preview shows how the XYZ color 71.6485, 89.2154, 50.0032 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

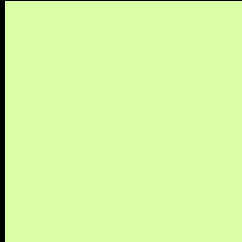
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.6485, 89.2154, 50.0032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

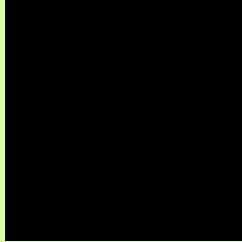
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

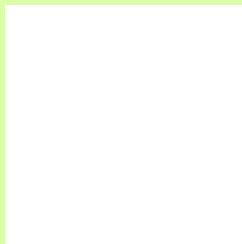
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.6485, 89.2154, 50.0032**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.6485, 89.2154, 50.0032.



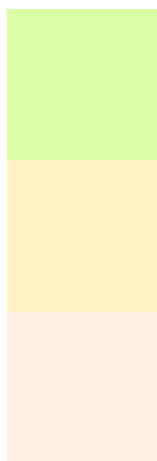
This preview shows how white text looks on a background with the XYZ color 71.6485, 89.2154,



# 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

71.6485, 89.2154, 50.0032

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

85.8340, 88.4840, 84.5067



## Tritanopia

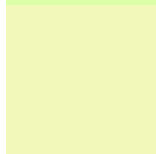
84.6927, 89.1541, 107.3524

# Trichromacy



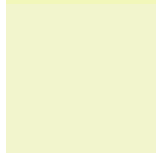
## Original Color

71.6485, 89.2154, 50.0032



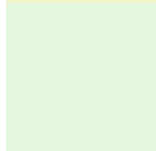
## Protanomaly

78.7416, 88.9439, 59.4721



## Deuteranomaly

80.2898, 88.5898, 70.6254



## Tritanomaly

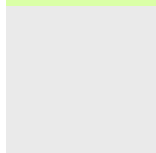
78.8931, 88.5073, 82.7375

# Monochromacy



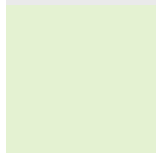
## Original Color

71.6485, 89.2154, 50.0032



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.3799, 84.6514, 73.3392

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.6485, 89.2154, 50.0032 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(218, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 167)  
}
```

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(218, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 71.6485, 89.2154, 50.0032 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(218, 255, 167) }
```



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

```
.border{ border-color:rgb(218, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(218, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.6485, 89.2154, 50.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 167) }
```

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

```
.background{ background-color: rgb(218,  
255, 167) }
```

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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