

# Converting Colors

XYZ(71.4778, 89.3172, 41.4216)

Have a look what the booklet for  
XYZ(71.4778, 89.3172, 41.4216)  
contains.

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# Color

**XYZ(71.5367, 89.3461,  
41.4921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFF94
RGB	223, 255, 148
RGB Percent	87%, 100%, 58%
CMY	0.1255, 0.0000, 0.4196
CMYK	0.13, 0.00, 0.42, 0.00
HSL	78°, 100%, 79%
HSV	78°, 42%, 100%
XYZ	71.5367, 89.3461, 41.4921
YIQ	233.2340, 15.2750, -40.0610

# Conversions

## Conversions Part 2

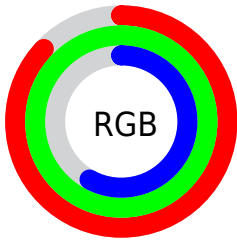
Format	Color
<a href="#">RYB</a>	<a href="#">148, 255, 180</a>
Decimal	<a href="#">14679956</a>
CIELab	<a href="#">95.72, -26.76, 47.63</a>
CIELCh	<a href="#">96, 54.632, 119.328</a>
Yxy	<a href="#">89.3461, 0.3535, 0.4415</a>
Android (android.graphics.Color)	<a href="#">4292870036 (0xFFDFFF94)</a>
YUV	<a href="#">233.2340, -42.0204, -8.9752</a>
Hunter-Lab	<a href="#">94.5231, -30.3235, 40.1400</a>

# Details

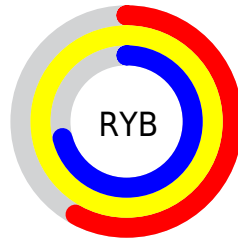
The XYZ color **71.5367, 89.3461, 41.4921** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.4635, 38.1044, 99.4610**, and the grayscale version is **77.9263, 81.9846, 89.2812**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **37.9855, 49.3214, 18.3444** is the 20% darker color. If you saturate the color by 10%, you get **67.4383, 87.4413, 31.8997**, and if you desaturate by 10%, it is **76.1861, 91.4835, 53.4335**.

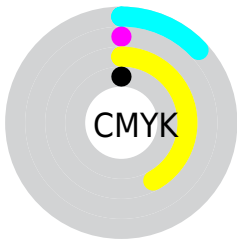
# Distribution



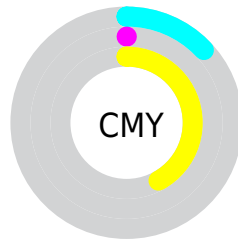
- Red (87%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (71%)



- Cyan (13%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5367, 89.3461, 41.4921 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 71.5367, 89.3461, 41.4921 by changing the saturation by 10% instead.




 71.5367, 89.3461,  
41.4921


 71.5367, 89.3461,  
41.4921


455.1101,  
525.9014, 368.1105

 53.0644, 67.4384,  
28.3812


 120.4120,  
146.4298, 78.6921

 38.0819, 49.4410,  
18.3717


 151.5457,  
182.3745, 103.6183

 26.2237, 34.9694,  
11.0450


187.6306,  
223.7672, 133.3201

 17.1247, 23.6393,  
5.9825

229.0320,  
270.9920, 168.2159

 10.4193, 15.0663,  
2.7658

276.1153,  
324.4334, 208.7243

 5.7422, 8.8659,  
0.9764

329.2458,

 2.7281, 4.6538,

384.4759, 255.2638

0.0000

388.7890,  
451.5038, 308.2531

■ 1.0117, 2.0456,  
0.0000

■ 0.0000, 0.6338,  
0.0000

■ 71.5367, 89.3461,  
41.4921

■ 71.5367, 89.3461,  
41.4921

■ 67.4383, 87.4413,  
31.8997

■ 76.1861, 91.4835,  
53.4335

■ 63.8592, 85.7564,  
24.4969

■ 81.4140, 93.8646,  
67.8614

■ 60.7653, 84.2774,  
19.1107

■ 87.2465, 96.5001,  
84.9072

■ 58.1169, 82.9884,  
15.5404

■ 93.7081, 99.4000,  
104.6921

■ 55.8666, 81.8702, 95.0500, 100.0000,  
13.5436 108.9000

■ 54.2895, 81.0723,  
12.7872

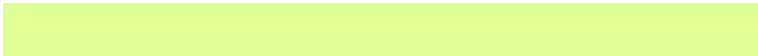
# Harmonies

## Analogous

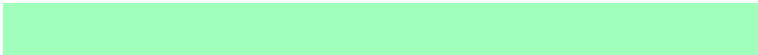
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2603, 89.3461, 35.7696



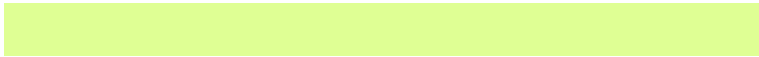
71.5367, 89.3461, 41.4921



62.4092, 89.3461, 60.8729

# Triad

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



71.5367, 89.3461, 41.4921



71.0141, 89.3461, 187.2531



117.2226, 89.3461, 98.2571

# Complementary

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



71.5367, 89.3461, 41.4921



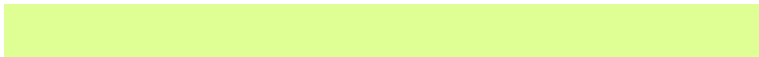
47.4635, 38.1044, 99.4610

# 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.



112.2834, 89.3461, 145.9104



71.5367, 89.3461, 41.4921



84.5821, 89.3461, 205.7398

# Square

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



71.5367, 89.3461, 41.4921



62.1334, 89.3461, 143.7175



99.8781, 89.3461, 188.7599

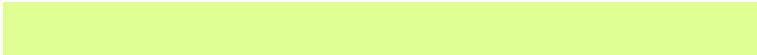


112.6924, 89.3461, 62.1118



# Rectangle

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



71.5367, 89.3461, 41.4921



59.5678, 89.3461, 82.7451



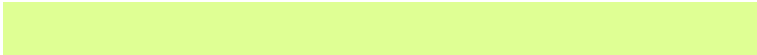
99.8781, 89.3461, 188.7599



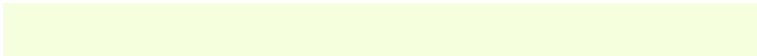
116.6064, 89.3461, 113.4305

# Sweetspot

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



71.5370, 89.3462, 41.4934



86.6108, 96.2138, 83.0081



62.5694, 55.3660, 35.4072



18.2544, 20.4657, 16.9257



0.0000, 0.0000, 0.0000

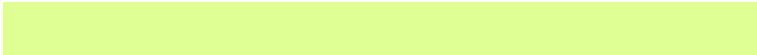


20.3446, 21.4041, 23.3091

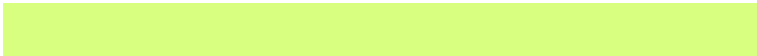


# Same Dimension

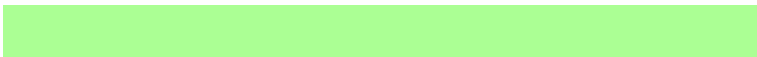
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.5370, 89.3462, 41.4934



68.1995, 87.7969, 33.6019



57.9406, 82.3370, 40.8571



19.0012, 20.8021, 19.1581



28.5252, 42.4434, 6.6890



2.8877, 4.1894, 0.6564



# Inverse Universe

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



47.4635, 38.1044, 99.4610



41.3529, 30.5955, 98.3337



61.8598, 45.5260, 100.1348



17.5136, 17.6410, 22.7319



11.1302, 4.6483, 49.7452

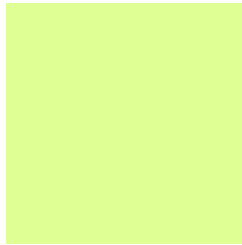


1.1882, 0.5064, 4.8484



# Previews

## White Background



This preview shows how the XYZ color 71.5367, 89.3461, 41.4921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

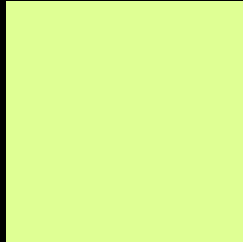
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5367, 89.3461, 41.4921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

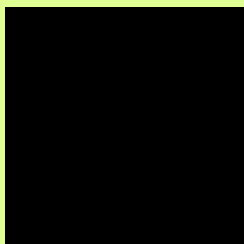
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

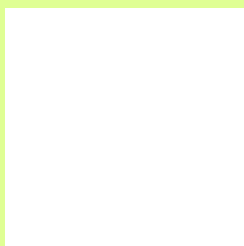
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.5367, 89.3461, 41.4921**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5367, 89.3461, 41.4921.



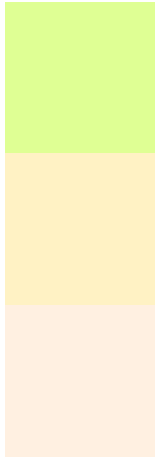
This preview shows how white text looks on a background with the XYZ color 71.5367, 89.3461,

41.4921.

# 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

71.5367, 89.3461, 41.4921

### Protanopia

82.9559, 88.7498, 64.9827

### Deuteranopia

85.9907, 89.0164, 83.8839



## Tritanopia

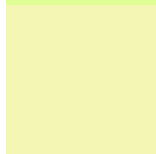
85.3987, 89.0750, 107.2999

# Trichromacy



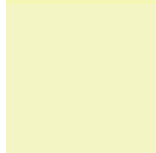
## Original Color

71.5367, 89.3461, 41.4921



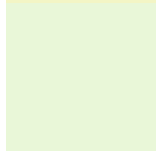
## Protanomaly

78.3596, 88.8309, 55.6639



## Deuteranomaly

79.6926, 88.3907, 65.6842



## Tritanomaly

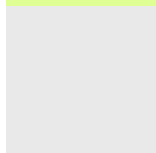
79.2597, 88.8030, 77.9290

# Monochromacy



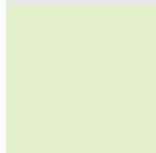
## Original Color

71.5367, 89.3461, 41.4921



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.4291, 83.8329, 68.1356

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5367, 89.3461, 41.4921 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(223, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 148)  
}
```

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(223, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5367, 89.3461, 41.4921 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(223, 255, 148) }
```



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

```
.border{ border-color:rgb(223, 255, 148) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5367, 89.3461, 41.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 148) }
```

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

```
.background{ background-color: rgb(223,  
255, 148) }
```

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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