

# Converting Colors

XYZ(72.0098, 89.5516, 43.2495)

Have a look what the booklet for  
XYZ(72.0098, 89.5516, 43.2495)  
contains.

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# Color

**XYZ(71.8589, 89.4750,  
43.1888)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFF98
RGB	223, 255, 152
RGB Percent	87%, 100%, 60%
CMY	0.1255, 0.0000, 0.4039
CMYK	0.13, 0.00, 0.40, 0.00
HSL	79°, 100%, 80%
HSV	79°, 40%, 100%
XYZ	71.8589, 89.4750, 43.1888
YIQ	233.6900, 13.9910, -38.8170

# Conversions

## Conversions Part 2

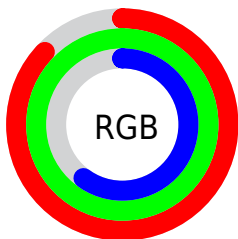
Format	Color
<a href="#">RYB</a>	<a href="#">152, 255, 184</a>
Decimal	<a href="#">14679960</a>
CIELab	<a href="#">95.78, -26.31, 45.77</a>
CIELCh	<a href="#">96, 52.795, 119.889</a>
Yxy	<a href="#">89.4750, 0.3513, 0.4375</a>
Android (android.graphics.Color)	<a href="#">4292870040 (0xFFDFFF98)</a>
YUV	<a href="#">233.6900, -40.2732, -9.3751</a>
Hunter-Lab	<a href="#">94.5912, -29.9321, 39.1430</a>

# Details

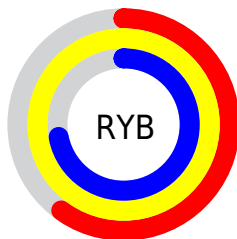
The XYZ color **71.8589, 89.4750, 43.1888** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0466, 39.8681, 99.7180**, and the grayscale version is **78.2590, 82.3346, 89.6624**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **38.1721, 49.3960, 19.3269** is the 20% darker color. If you saturate the color by 10%, you get **67.6055, 87.4982, 33.2349**, and if you desaturate by 10%, it is **76.6761, 91.6905, 55.5151**.

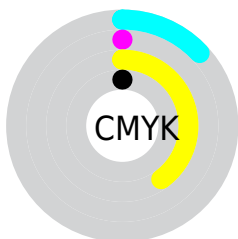
# Distribution



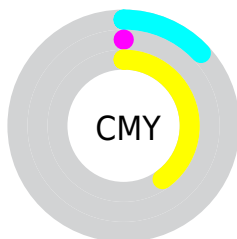
- Red (87%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (72%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8589, 89.4750, 43.1888 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 71.8589, 89.4750, 43.1888 by changing the saturation by 10% instead.




 71.8589, 89.4750,  
43.1888


 71.8589, 89.4750,  
43.1888


456.2156,  
526.3216, 375.3316

 53.3285, 67.5453,  
29.7008


 120.8678,  
146.6089, 81.2851

 38.2936, 49.5279,  
19.3615


 152.0770,  
182.5819, 106.7305

 26.3889, 35.0384,  
11.7523


188.2431,  
224.0049, 136.9987

 17.2490, 23.6925,  
6.4548

229.7315,  
271.2620, 172.5083

 10.5086, 15.1057,  
3.0503

276.9077,  
324.7379, 213.6779

 5.8023, 8.8936,  
1.1204

330.1368,

 2.7647, 4.6718,

384.8169, 260.9259

0.0000

389.7843,  
451.8833, 314.6710

■ 1.0306, 2.0560,  
0.0000

■ 0.0000, 0.6397,  
0.0000

■ 71.8589, 89.4750,  
43.1888

■ 71.8589, 89.4750,  
43.1888

■ 67.6055, 87.4982,  
33.2349

■ 76.6761, 91.6905,  
55.5151

■ 63.8845, 85.7474,  
25.4965

■ 82.0842, 94.1557,  
70.3493

■ 60.6622, 84.2088,  
19.8039

■ 88.1094, 96.8814,  
87.8215

■ 57.8996, 82.8669,  
15.9612

94.7760, 99.8772,  
108.0514

■ 55.5508, 81.7029, 95.0500, 100.0000,  
13.7342 108.9000

■ 53.6135, 80.7238,  
12.7555

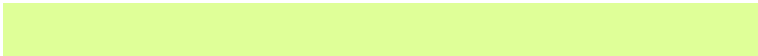
# Harmonies

## Analogous

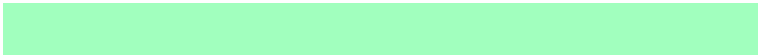
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0975, 89.4750, 37.2886



71.8589, 89.4750, 43.1888



63.0795, 89.4750, 62.5236

# Triad

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



71.8589, 89.4750, 43.1888



71.7751, 89.4750, 184.3932



116.1749, 89.4750, 97.5782

# Complementary

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



71.8589, 89.4750, 43.1888



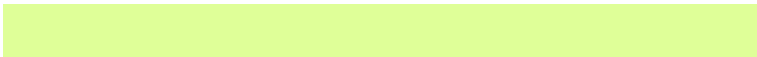
49.0466, 39.8681, 99.7180

# 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.



111.5919, 89.4750, 143.3628



71.8589, 89.4750, 43.1888



84.9892, 89.4750, 201.4238

# Square

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



71.8589, 89.4750, 43.1888



63.0351, 89.4750, 143.0156



99.7491, 89.4750, 184.6306

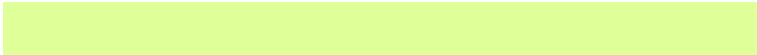


111.6568, 89.4750, 62.7237



# Rectangle

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



71.8589, 89.4750, 43.1888



60.3833, 89.4750, 84.0324



99.7491, 89.4750, 184.6306



115.6412, 89.4750, 112.1657

# Sweetspot

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



71.8592, 89.4751, 43.1901



87.0973, 96.4248, 84.8271



63.8210, 57.3537, 37.4137



18.4691, 20.5606, 17.6473



0.0000, 0.0000, 0.0000

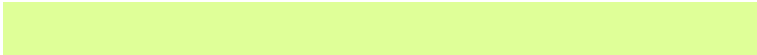


20.3446, 21.4041, 23.3091

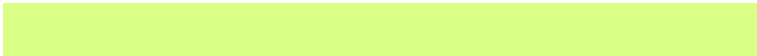


# Same Dimension

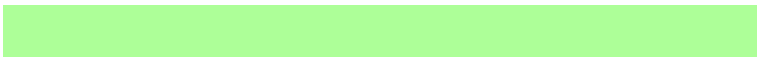
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8592, 89.4751, 43.1901



68.5729, 87.9498, 35.4075



58.5735, 82.6261, 42.5683



18.9799, 20.7911, 19.1571



28.1747, 42.2626, 6.6725



2.8556, 4.1729, 0.6549



# Inverse Universe

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



49.0466, 39.8681, 99.7180



43.0966, 32.5020, 98.6098



63.3421, 47.2377, 100.3870



17.5339, 17.6514, 22.7329



11.2601, 4.7153, 49.7512



1.2029, 0.5140, 4.8491



# Previews

## White Background



This preview shows how the XYZ color 71.8589, 89.4750, 43.1888 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 71.8589, 89.4750, 43.1888 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

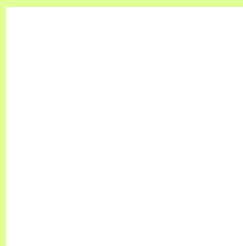
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.8589, 89.4750, 43.1888**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8589, 89.4750, 43.1888.



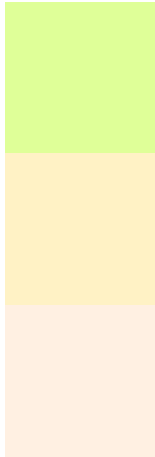
This preview shows how white text looks on a background with the XYZ color 71.8589, 89.4750,



# 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

71.8589, 89.4750, 43.1888

### Protanopia

83.0702, 88.7955, 65.5843

### Deuteranopia

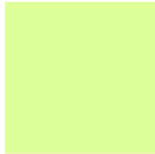
86.1276, 89.0712, 84.6046



## Tritanopia

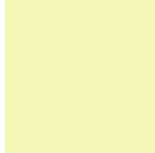
85.3987, 89.0750, 107.2999

# Trichromacy



## Original Color

71.8589, 89.4750, 43.1888



## Protanomaly

78.5634, 88.9124, 56.7371



## Deuteranomaly

79.9234, 88.4830, 66.8994



## Tritanomaly

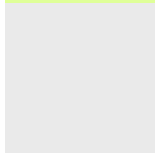
79.5199, 88.9071, 79.2993

# Monochromacy



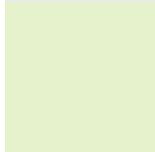
## Original Color

71.8589, 89.4750, 43.1888



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

75.2843, 84.6869, 69.5050

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8589, 89.4750, 43.1888 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8589, 89.4750, 43.1888 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, 152) }
```



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

```
.border{ border-color:rgb(223, 255, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8589, 89.4750, 43.1888 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, 152) }
```

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

```
.background{ background-color: rgb(223,  
255, 152) }
```

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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