

# Converting Colors

XYZ(72.4899, 89.9817, 35.0203)

Have a look what the booklet for  
XYZ(72.4899, 89.9817, 35.0203)  
contains.

**XYZ(72.4899, 89.9817, 35.0203)** ..... 3  
***Conversions*** ..... 4  
***Details*** ..... 6  
***Harmonies*** ..... 12  
***Previews*** ..... 24  
***Color Blindness Simulation*** ..... 28  
***CSS Examples*** ..... 31

# Color

**XYZ(72.4899, 89.9817,  
35.0203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FF83
RGB	230, 255, 131
RGB Percent	90%, 100%, 51%
CMY	0.0980, 0.0000, 0.4863
CMYK	0.10, 0.00, 0.49, 0.00
HSL	72°, 100%, 76%
HSV	72°, 49%, 100%
XYZ	72.4899, 89.9817, 35.0203
YIQ	233.3890, 24.9040, -43.8640

# Conversions

## Conversions Part 2

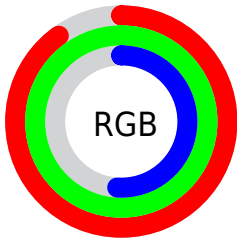
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 255, 156
Decimal	15138691
CIELab	95.99, -25.89, 56.05
CIElCh	96, 61.743, 114.788
Yxy	89.9817, 0.3671, 0.4556
Android (android.graphics.Color)	4293328771 (0xFFE6FF83)
YUV	233.3890, -50.4778, -2.9722
Hunter-Lab	94.8587, -29.5951, 44.5122

# Details

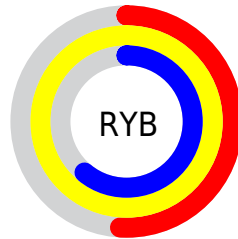
The XYZ color **72.4899, 89.9817, 35.0203** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8777, 30.5218, 98.3972**, and the grayscale version is **78.1002, 82.1675, 89.4804**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **38.5469, 49.6946, 14.5816** is the 20% darker color. If you saturate the color by 10%, you get **69.3431, 88.5352, 26.9349**, and if you desaturate by 10%, it is **76.1111, 91.6236, 45.3501**.

# Distribution



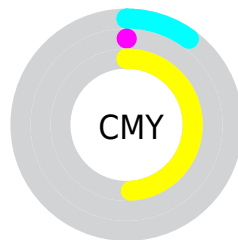
- Red (90%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.4899, 89.9817, 35.0203 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 72.4899, 89.9817, 35.0203 by changing the saturation by 10% instead.





 72.4899, 89.9817,  
35.0203


 72.4899, 89.9817,  
35.0203


458.3762,  
527.9713, 339.5649

 53.8459, 67.9655,  
23.3948


 121.7598,  
147.3130, 68.6691

 38.7086, 49.8696,  
14.6773


 153.1164,  
183.3968, 91.5296

 26.7128, 35.3098,  
8.4491


 189.4412,  
224.9386, 118.9721

 17.4931, 23.9016,  
4.2918

231.0996,  
272.3228, 151.4153

 10.6842, 15.2607,  
1.7867

278.4570,  
325.9338, 189.2776

 5.9206, 9.0025,  
0.4192

331.8786,

 2.8371, 4.7428,

386.1559, 232.9776

0.0000

391.7299,  
453.3736, 282.9339

■ 1.0682, 2.0972,  
0.0000

■ 0.0000, 0.6630,  
0.0000

■ 72.4899, 89.9817,  
35.0203

■ 72.4899, 89.9817,  
35.0203

■ 69.3431, 88.5352,  
26.9349

■ 76.1111, 91.6236,  
45.3501

■ 66.6378, 87.2708,  
20.9229

■ 80.2350, 93.4723,  
58.0710

■ 64.3378, 86.1741,  
16.7946

■ 84.8884, 95.5385,  
73.3214

■ 62.3995, 85.2276,  
14.3244

■ 90.0956, 97.8319,  
91.2283

■ 60.7616, 84.4066, 95.0500, 100.0000,  
13.1902 108.9000

■ 60.5488, 84.2991,  
13.0801

# Harmonies

## Analogous

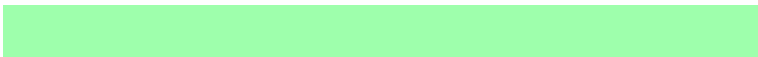
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5407, 89.9817, 31.0173



72.4899, 89.9817, 35.0203



61.4159, 89.9817, 53.1591

# Triad

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



72.4899, 89.9817, 35.0203



67.9633, 89.9817, 196.5770



122.5475, 89.9817, 106.7624

# Complementary

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



72.4899, 89.9817, 35.0203



39.8777, 30.5218, 98.3972

# 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.



115.2382, 89.9817, 162.7751



72.4899, 89.9817, 35.0203



82.5784, 89.9817, 224.5469

# Square

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



72.4899, 89.9817, 35.0203



59.0563, 89.9817, 142.9011



100.0357, 89.9817, 210.4732



118.9132, 89.9817, 63.6152



# Rectangle

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



72.4899, 89.9817, 35.0203



57.6044, 89.9817, 75.3249



100.0357, 89.9817, 210.4732



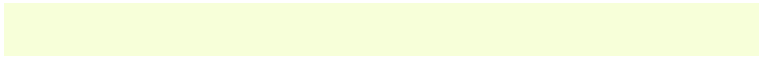
121.2630, 89.9817, 124.7630

# Sweetspot

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



72.4901, 89.9818, 35.0215



86.7113, 96.3433, 79.5012



57.1924, 46.6096, 27.4561



18.3310, 20.5205, 16.2384



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

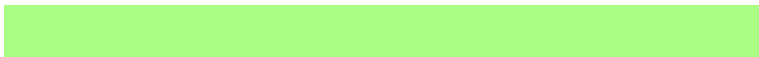
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4901, 89.9818, 35.0215



69.5268, 88.6202, 27.3785



56.0485, 81.5059, 34.2521



19.1814, 20.8949, 19.1665



31.7639, 44.1130, 6.8405



3.1794, 4.3398, 0.6701



# Inverse Universe

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



39.8777, 30.5218, 98.3972



33.6214, 23.0678, 97.2882



55.0207, 38.3283, 99.1059



17.3450, 17.5541, 22.7240



10.2516, 4.1954, 49.7041

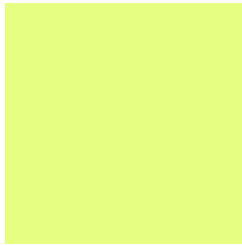


1.0821, 0.4518, 4.8434



# Previews

## White Background



This preview shows how the XYZ color 72.4899, 89.9817, 35.0203 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

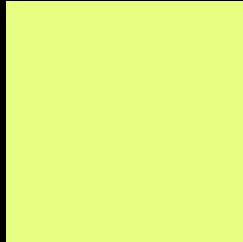
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.4899, 89.9817, 35.0203 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 72.4899, 89.9817, 35.0203**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.4899, 89.9817, 35.0203.



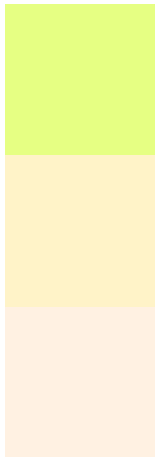
This preview shows how white text looks on a background with the XYZ color 72.4899, 89.9817,



# 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**

72.4899, 89.9817, 35.0203

**Protanopia**

83.7159, 89.5313, 67.5126

**Deuteranopia**

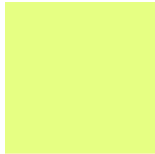
86.4228, 89.6616, 84.7030



## Tritanopia

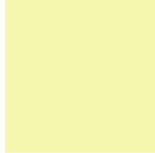
87.1615, 89.5431, 107.2974

# Trichromacy



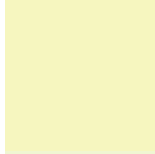
## Original Color

72.4899, 89.9817, 35.0203



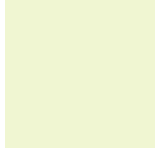
## Protanomaly

79.0047, 89.2095, 53.6126



## Deuteranomaly

80.3658, 89.2660, 62.2845



## Tritanomaly

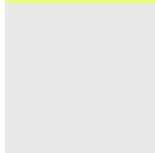
80.5238, 89.0899, 73.9248

# Monochromacy



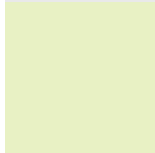
## Original Color

72.4899, 89.9817, 35.0203



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.6978, 84.0519, 64.5112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.4899, 89.9817, 35.0203 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(230, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 131)  
}
```

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(230, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 72.4899, 89.9817, 35.0203 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(230, 255, 131) }
```



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

```
.border{ border-color:rgb(230, 255, 131) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.4899, 89.9817, 35.0203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 131) }
```

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

```
.background{ background-color: rgb(230,  
255, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor