

Converting Colors

XYZ(71.2255, 89.2216, 39.8531)

Have a look what the booklet for
XYZ(71.2255, 89.2216, 39.8531)
contains.

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Color

**XYZ(71.2255, 89.2216,
39.8531)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF90
RGB	223, 255, 144
RGB Percent	87%, 100%, 56%
CMY	0.1255, 0.0000, 0.4353
CMYK	0.13, 0.00, 0.44, 0.00
HSL	77°, 100%, 78%
HSV	77°, 44%, 100%
XYZ	71.2255, 89.2216, 39.8531
YIQ	232.7780, 16.5590, -41.3050

Conversions

Conversions Part 2

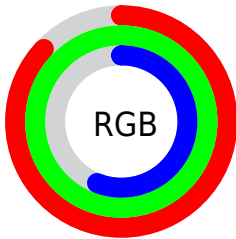
Format	Color
RYB	144, 255, 176
Decimal	14679952
CIELab	95.67, -27.20, 49.48
CIELCh	96, 56.457, 118.797
Yxy	89.2216, 0.3556, 0.4454
Android (android.graphics.Color)	4292870032 (0xFFDFFF90)
YUV	232.7780, -43.7676, -8.5753
Hunter-Lab	94.4572, -30.7020, 41.1046

Details

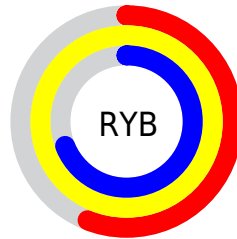
The XYZ color **71.2255, 89.2216, 39.8531** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.9289, 36.3979, 99.2125**, and the grayscale version is **77.5945, 81.6355, 88.9010**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **37.8083, 49.2505, 17.4111** is the 20% darker color. If you saturate the color by 10%, you get **67.2752, 87.3855, 30.6180**, and if you desaturate by 10%, it is **75.7149, 91.2848, 51.4134**.

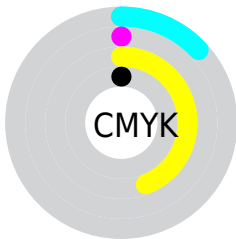
Distribution



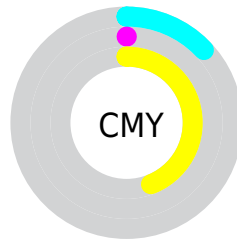
- Red (87%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2255, 89.2216, 39.8531 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 71.2255, 89.2216, 39.8531 by changing the saturation by 10% instead.

 71.2255, 89.2216,
39.8531


 71.2255, 89.2216,
39.8531


454.0409,
525.4955, 361.0377

 52.8094, 67.3352,
27.1111


 119.9715,
146.2567, 76.1744

 37.8775, 49.3571,
17.4235


 151.0322,
182.1742, 100.5908

 26.0644, 34.9028,
10.3718


187.0385,
223.5375, 129.7358

 17.0048, 23.5880,
5.5373

228.3557,
270.7311, 164.0278

 10.3332, 15.0283,
2.5017

275.3491,
324.1393, 203.8855

 5.6844, 8.8393,
0.8410

328.3843,

 2.6930, 4.6365,

384.1465, 249.7273

0.0000

387.8264,
451.1371, 301.9719

■ 0.9936, 2.0356,
0.0000

■ 0.0000, 0.6280,
0.0000

■ 71.2255, 89.2216,
39.8531

■ 71.2255, 89.2216,
39.8531

■ 67.2752, 87.3855,
30.6180

■ 75.7149, 91.2848,
51.4134

■ 63.8320, 85.7634,
23.5464

■ 80.7710, 93.5861,
65.4385

■ 60.8610, 84.3413,
18.4615

■ 86.4203, 96.1363,
82.0614

■ 58.3221, 83.1029,
15.1574

■ 92.6872, 98.9454,
101.4046

■ 56.1660, 82.0284,
13.3830

95.0500, 100.0000,
108.9000

■ 54.9299, 81.4025,
12.8171

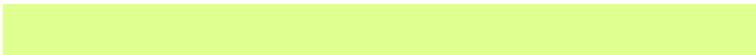
Harmonies

Analogous

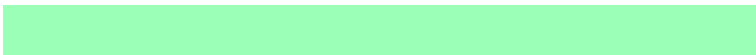
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.4306, 89.2216, 34.3079



71.2255, 89.2216, 39.8531



61.7546, 89.2216, 59.2587

Triad

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



71.2255, 89.2216, 39.8531



70.2637, 89.2216, 190.1075



118.2703, 89.2216, 98.9527

Complementary

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



71.2255, 89.2216, 39.8531



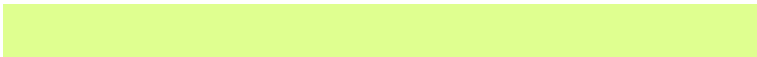
45.9289, 36.3979, 99.2125

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.



112.9712, 89.2216, 148.4870



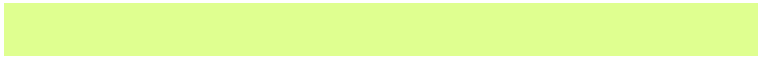
71.2255, 89.2216, 39.8531



84.1774, 89.2216, 210.0810

Square

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



71.2255, 89.2216, 39.8531



61.2489, 89.2216, 144.4008



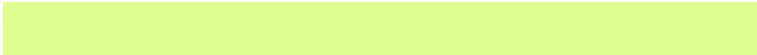
100.0036, 89.2216, 192.9288



113.7316, 89.2216, 61.5225

Rectangle

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



71.2255, 89.2216, 39.8531



58.7703, 89.2216, 81.4715



100.0036, 89.2216, 192.9288



117.5701, 89.2216, 114.7146

Sweetspot

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



71.2258, 89.2217, 39.8544



86.7357, 96.2781, 83.0140



61.6924, 54.1100, 33.5796



18.2854, 20.4817, 16.9271



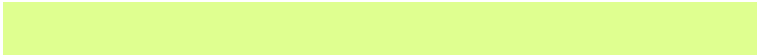
0.0000, 0.0000, 0.0000



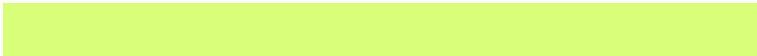
20.3446, 21.4041, 23.3091

Same Dimension

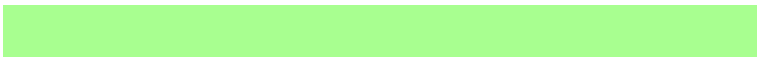
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2258, 89.2217, 39.8544



67.8453, 87.6519, 31.8853



56.9539, 81.8643, 39.1864



19.0211, 20.8123, 19.1590



28.8572, 42.6145, 6.7045



2.9179, 4.2050, 0.6579

Inverse Universe

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



45.9289, 36.3979, 99.2125



39.6818, 28.7760, 98.0706



60.9628, 44.1482, 99.9161



17.4949, 17.6313, 22.7311



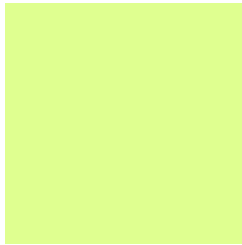
11.0145, 4.5887, 49.7398



1.1749, 0.4996, 4.8478

Previews

White Background



This preview shows how the XYZ color 71.2255, 89.2216, 39.8531 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 71.2255, 89.2216, 39.8531 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

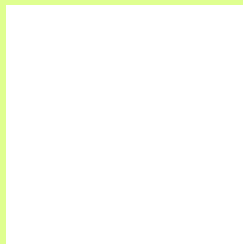
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.2255, 89.2216, 39.8531

Background



This preview shows how black text looks on a background with the XYZ color 71.2255, 89.2216, 39.8531.

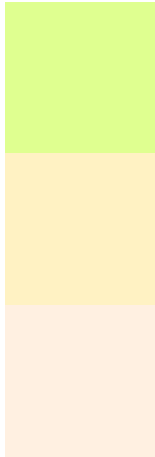


This preview shows how white text looks on a background with the XYZ color 71.2255, 89.2216, 39.8531.

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

71.2255, 89.2216, 39.8531

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

85.9907, 89.0164, 83.8839



Tritanopia

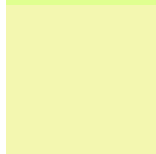
85.3987, 89.0750, 107.2999

Trichromacy



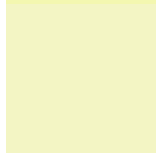
Original Color

71.2255, 89.2216, 39.8531



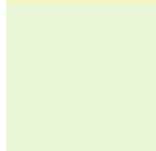
Protanomaly

78.0594, 88.7108, 54.0830



Deuteranomaly

79.5784, 88.3450, 65.0826



Tritanomaly

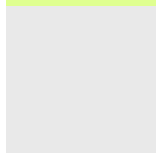
79.1308, 88.7515, 77.2501

Monochromacy



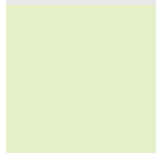
Original Color

71.2255, 89.2216, 39.8531



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.3110, 83.7857, 67.5140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2255, 89.2216, 39.8531 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 144) }
```

Border

The CSS property to change the border of an element to XYZ 71.2255, 89.2216, 39.8531 is called "border". The border property can be set on classes, ids or directly on the HTML element.

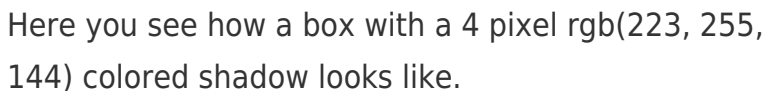
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(223, 255, 144) }
```


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

```
.border{ border-color:rgb(223, 255, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2255, 89.2216, 39.8531 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, 144) }
```

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

```
.background{ background-color: rgb(223,  
255, 144) }
```

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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