

Converting Colors

XYZ(72.2643, 89.8151, 37.2831)

Have a look what the booklet for
XYZ(72.2643, 89.8151, 37.2831)
contains.

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Color

**XYZ(72.2703, 89.8201,
37.1949)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FF89
RGB	228, 255, 137
RGB Percent	89%, 100%, 54%
CMY	0.1059, 0.0000, 0.4627
CMYK	0.11, 0.00, 0.46, 0.00
HSL	74°, 100%, 77%
HSV	74°, 46%, 100%
XYZ	72.2703, 89.8201, 37.1949
YIQ	233.4750, 21.7860, -42.4220

Conversions

Conversions Part 2

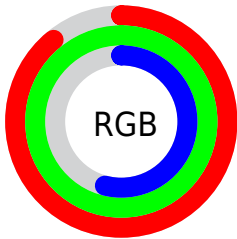
Format	Color
RYB	137, 255, 164
Decimal	15007625
CIELab	95.92, -26.06, 53.16
CIElCh	96, 59.203, 116.115
Yxy	89.8201, 0.3626, 0.4507
Android (android.graphics.Color)	4293197705 (0xFFE4FF89)
YUV	233.4750, -47.5622, -4.8016
Hunter-Lab	94.7735, -29.7369, 43.0724

Details

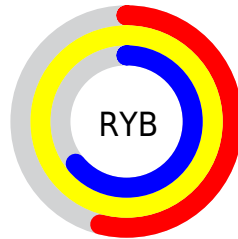
The XYZ color **72.2703, 89.8201, 37.1949** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.3067, 33.0051, 98.7486**, and the grayscale version is **78.1456, 82.2152, 89.5324**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **38.5889, 49.6862, 15.9440** is the 20% darker color. If you saturate the color by 10%, you get **68.8319, 88.2345, 28.5878**, and if you desaturate by 10%, it is **76.2040, 91.6111, 48.0838**.

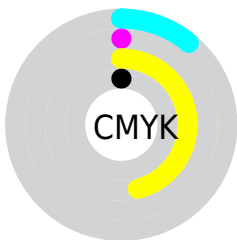
Distribution



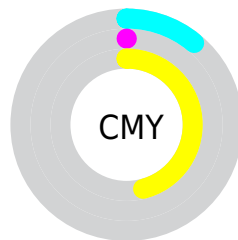
- Red (89%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (64%)



- Cyan (11%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2703, 89.8201, 37.1949 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 72.2703, 89.8201, 37.1949 by changing the saturation by 10% instead.


 72.2703, 89.8201,
37.1949


 72.2703, 89.8201,
37.1949


457.6249,
527.4455, 349.3476

 53.6658, 67.8314,
25.0615


 121.4495,
147.0885, 72.0621

 38.5641, 49.7606,
15.9034


 152.7548,
183.1370, 95.6330

 26.6000, 35.2232,
9.3022


 189.0245,
224.6409, 123.8534

 17.4081, 23.8349,
4.8393

230.6238,
271.9846, 157.1419

 10.6230, 15.2112,
2.0962

277.9182,
325.5526, 195.9170

 5.8793, 8.9677,
0.6135

331.2729,

 2.8118, 4.7201,

385.7291, 240.5973

0.0000

391.0534,
452.8986, 291.6014

■ 1.0550, 2.0840,
0.0000

■ 0.0000, 0.6556,
0.0000

■ 72.2703, 89.8201,
37.1949

■ 72.2703, 89.8201,
37.1949

■ 68.8319, 88.2345,
28.5878

■ 76.2040, 91.6111,
48.0838

■ 65.8564, 86.8412,
22.0958

■ 80.6607, 93.6185,
61.3978

■ 63.3086, 85.6261,
17.5358

■ 85.6668, 95.8531,
77.2727

■ 61.1467, 84.5723,
14.6917

■ 91.2466, 98.3246,
95.8333

■ 59.3190, 83.6591, 95.0500, 100.0000,
13.2943 108.9000

■ 58.6947, 83.3433,
12.9933

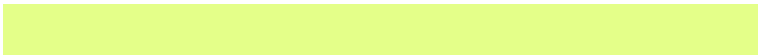
Harmonies

Analogous

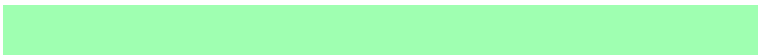
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5186, 89.8201, 32.6762



72.2703, 89.8201, 37.1949



61.8470, 89.8201, 55.7081

Triad

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



72.2703, 89.8201, 37.1949



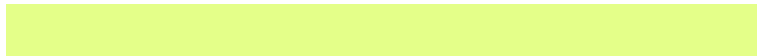
69.0196, 89.8201, 193.1732



120.7257, 89.8201, 104.0253

Complementary

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



72.2703, 89.8201, 37.1949



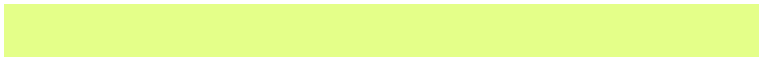
42.3067, 33.0051, 98.7486

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.



114.2121, 89.8201, 157.0580



72.2703, 89.8201, 37.1949



83.2594, 89.8201, 217.9011

Square

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



72.2703, 89.8201, 37.1949



60.1451, 89.8201, 143.0126



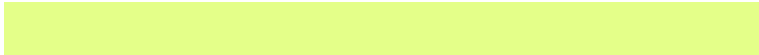
99.9670, 89.8201, 202.9342



116.8171, 89.8201, 63.2867

Rectangle

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



72.2703, 89.8201, 37.1949



58.3500, 89.8201, 77.7491



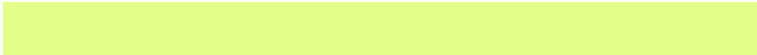
99.9670, 89.8201, 202.9342



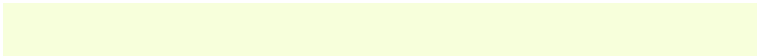
119.6627, 89.8201, 121.0293

Sweetspot

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



72.2705, 89.8202, 37.1962



86.8840, 96.3938, 81.2517



58.7764, 49.1079, 30.0491



18.3493, 20.5223, 16.5821



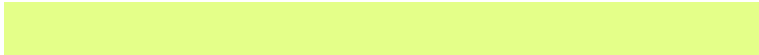
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

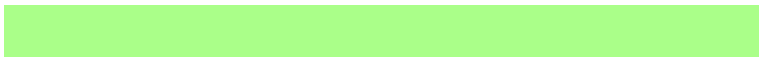
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2705, 89.8202, 37.1962



68.9195, 88.2752, 28.7941



56.9475, 81.9209, 36.4790



19.1309, 20.8689, 19.1641



30.8058, 43.6190, 6.7957



3.0938, 4.2957, 0.6661

Inverse Universe

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



42.3067, 33.0051, 98.7486



35.5214, 24.8610, 97.5342



56.9881, 40.5737, 99.4356



17.3918, 17.5782, 22.7262



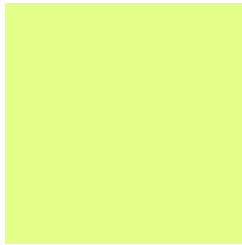
10.4600, 4.3028, 49.7138



1.1087, 0.4655, 4.8447

Previews

White Background



This preview shows how the XYZ color 72.2703, 89.8201, 37.1949 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 72.2703, 89.8201, 37.1949 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 72.2703, 89.8201, 37.1949

Background



This preview shows how black text looks on a background with the XYZ color 72.2703, 89.8201, 37.1949.

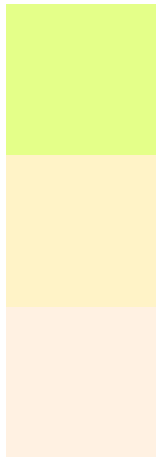


This preview shows how white text looks on a background with the XYZ color 72.2703, 89.8201,

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

72.2703, 89.8201, 37.1949

Protanopia

83.5994, 89.4847, 66.8989

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

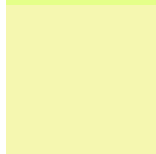
86.7643, 89.7789, 107.3638

Trichromacy



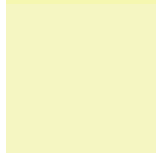
Original Color

72.2703, 89.8201, 37.1949



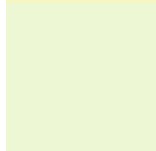
Protanomaly

78.7534, 89.0686, 54.1155



Deuteranomaly

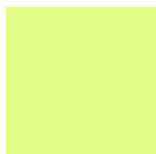
80.3496, 89.2191, 64.0251



Tritanomaly

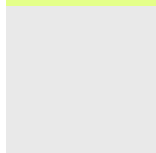
80.4043, 89.4521, 75.3156

Monochromacy



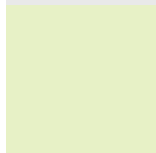
Original Color

72.2703, 89.8201, 37.1949



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6033, 83.9767, 65.7032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2703, 89.8201, 37.1949 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(228, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 137)  
}
```

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(228, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 137) }
```

Border

The CSS property to change the border of an element to XYZ 72.2703, 89.8201, 37.1949 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(228, 255, 137) }
```


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

```
.border{ border-color:rgb(228, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2703, 89.8201, 37.1949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 137) }
```

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

```
.background{ background-color: rgb(228,  
255, 137) }
```

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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