

Converting Colors

XYZ(72.4540, 89.6703, 48.2535)

Have a look what the booklet for
XYZ(72.4540, 89.6703, 48.2535)
contains.

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Color

**XYZ(72.4951, 89.6939,
48.1421)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFFA3
RGB	222, 255, 163
RGB Percent	87%, 100%, 64%
CMY	0.1294, 0.0000, 0.3608
CMYK	0.13, 0.00, 0.36, 0.00
HSL	82°, 100%, 82%
HSV	82°, 36%, 100%
XYZ	72.4951, 89.6939, 48.1421
YIQ	234.6450, 9.8640, -35.6080

Conversions

Conversions Part 2

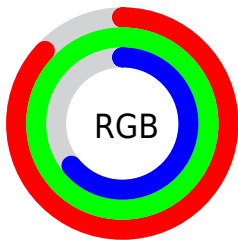
Format	Color
RYB	163, 255, 196
Decimal	14614435
CIELab	95.87, -25.36, 40.51
CIELCh	96, 47.797, 122.046
Yxy	89.6939, 0.3447, 0.4264
Android (android.graphics.Color)	4292804515 (0xFFDEFFA3)
YUV	234.6450, -35.3210, -11.0897
Hunter-Lab	94.7069, -29.1009, 36.1561

Details

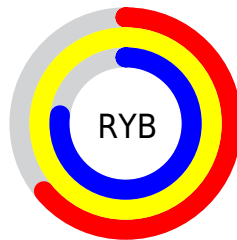
The XYZ color **72.4951, 89.6939, 48.1421** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.9132, 45.1514, 100.4813**, and the grayscale version is **78.9498, 83.0614, 90.4538**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.7344, 49.6209, 22.2881** is the 20% darker color. If you saturate the color by 10%, you get **67.7097, 87.4649, 37.1702**, and if you desaturate by 10%, it is **77.8940, 92.1860, 61.5498**.

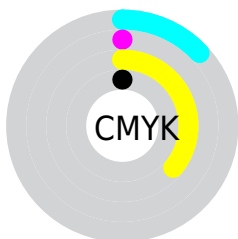
Distribution



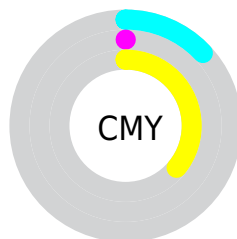
- Red (87%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (77%)



- Cyan (13%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4951, 89.6939, 48.1421 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 72.4951, 89.6939, 48.1421 by changing the saturation by 10% instead.


 72.4951, 89.6939,
48.1421


 72.4951, 89.6939,
48.1421


458.3940,
527.0346, 395.8800

 53.8501, 67.7268,
33.5786


 121.7672,
146.9131, 88.7837

 38.7120, 49.6755,
22.2954


 153.1250,
182.9341, 115.6989

 26.7155, 35.1556,
13.8737


189.4511,
224.4084, 147.5684

 17.4952, 23.7828,
7.8951

231.1109,
271.7205, 184.8109

 10.6856, 15.1726,
3.9411

278.4697,
325.2547, 227.8447

 5.9216, 8.9406,
1.5931

331.8929,

 2.8377, 4.7024,

385.3956, 277.0885

0.2859

391.7459,
452.5274, 332.9607

■ 1.0685, 2.0738,
0.0000

■ 0.0000, 0.6498,
0.0000

■ 72.4951, 89.6939,
48.1421

■ 72.4951, 89.6939,
48.1421

■ 67.7097, 87.4649,
37.1702

■ 77.8940, 92.1860,
61.5498

■ 63.5063, 85.4859,
28.4833

■ 83.9331, 94.9520,
77.5240

■ 59.8522, 83.7436,
21.9203

■ 90.6387, 98.0027,
96.1905

■ 56.7098, 82.2227,
17.2969

■ 95.0500, 100.0000,
108.9000

■ 54.0357, 80.9055,
14.3979

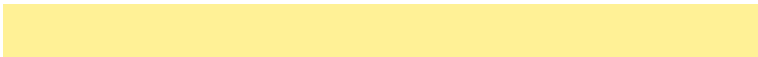
■ 51.7764, 79.7704,
12.9556

■ 50.9733, 79.3628,
12.6320

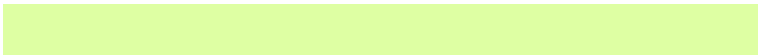
Harmonies

Analogous

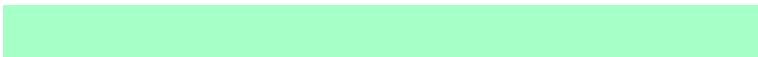
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3495, 89.6939, 41.5893



72.4951, 89.6939, 48.1421



64.7615, 89.6939, 67.4278

Triad

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



72.4951, 89.6939, 48.1421



73.9113, 89.6939, 176.8569



113.1790, 89.6939, 95.0922

Complementary

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



72.4951, 89.6939, 48.1421



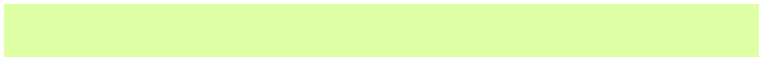
53.9132, 45.1514, 100.4813

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.



109.6626, 89.6939, 135.8021



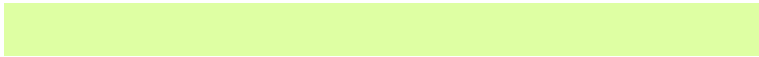
72.4951, 89.6939, 48.1421



86.1596, 89.6939, 189.6713

Square

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



72.4951, 89.6939, 48.1421



65.5180, 89.6939, 141.4724



99.4226, 89.6939, 173.0338



108.5956, 89.6939, 63.9812

Rectangle

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



72.4951, 89.6939, 48.1421



62.5282, 89.6939, 87.9551



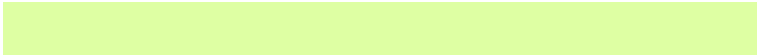
99.4226, 89.6939, 173.0338



112.9041, 89.6939, 108.0567

Sweetspot

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



72.4955, 89.6941, 48.1434



87.2529, 96.4647, 86.6577



67.4115, 63.0251, 43.2637



18.4823, 20.5594, 18.0115



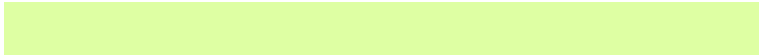
0.0000, 0.0000, 0.0000



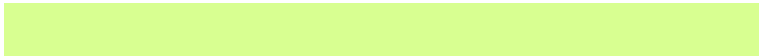
20.3446, 21.4041, 23.3091

Same Dimension

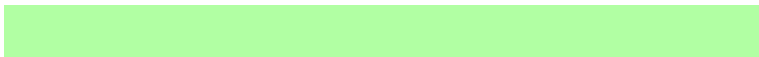
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.4955, 89.6941, 48.1434



69.1189, 88.1236, 40.2964



60.4576, 83.4884, 47.5800



18.8921, 20.7458, 19.1530



26.8036, 41.5558, 6.6084



2.7291, 4.1077, 0.6490

Inverse Universe

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



53.9132, 45.1514, 100.4813



48.1598, 37.8526, 99.3757



67.4918, 52.1514, 101.1168



17.6179, 17.6948, 22.7368



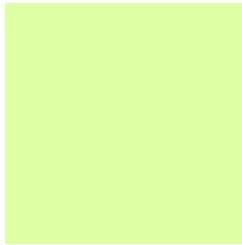
11.8576, 5.0233, 49.7792



1.2686, 0.5479, 4.8522

Previews

White Background



This preview shows how the XYZ color 72.4951, 89.6939, 48.1421 looks on a white background.

Color Contrast Check

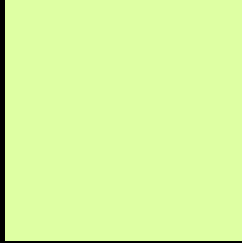
Large Text (above 18pt) WCAG AA × Fail

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 72.4951, 89.6939, 48.1421 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

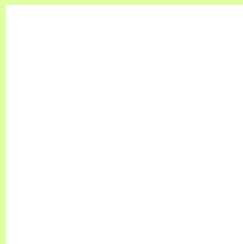
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.4951, 89.6939, 48.1421

Background



This preview shows how black text looks on a background with the XYZ color 72.4951, 89.6939, 48.1421.

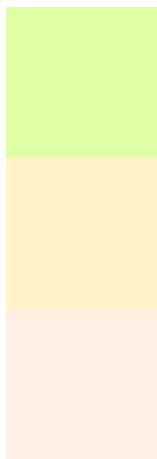


This preview shows how white text looks on a background with the XYZ color 72.4951, 89.6939,

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

72.4951, 89.6939, 48.1421

Protanopia

83.5994, 89.4847, 66.8989

Deuteranopia

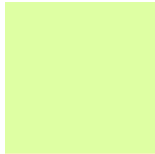
86.2652, 89.1262, 85.3295



Tritanopia

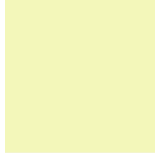
85.3605, 89.4983, 107.3837

Trichromacy



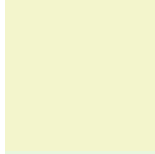
Original Color

72.4951, 89.6939, 48.1421



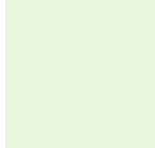
Protanomaly

79.0858, 89.1214, 59.4883



Deuteranomaly

80.5136, 88.7191, 70.0077



Tritanomaly

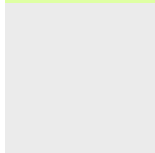
79.7243, 88.9513, 82.0746

Monochromacy



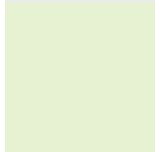
Original Color

72.4951, 89.6939, 48.1421



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

75.8939, 84.9307, 72.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4951, 89.6939, 48.1421 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(222, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 163)  
}
```

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(222, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 163) }
```

Border

The CSS property to change the border of an element to XYZ 72.4951, 89.6939, 48.1421 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(222, 255, 163) }
```


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

```
.border{ border-color:rgb(222, 255, 163) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4951, 89.6939, 48.1421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 163) }
```

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

```
.background{ background-color: rgb(222,  
255, 163) }
```

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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