

Converting Colors

XYZ(72.0010, 89.5306, 43.9899)

Have a look what the booklet for
XYZ(72.0010, 89.5306, 43.9899)
contains.

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Color

**XYZ(72.0242, 89.5411,
44.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF9A
RGB	223, 255, 154
RGB Percent	87%, 100%, 60%
CMY	0.1255, 0.0000, 0.3961
CMYK	0.13, 0.00, 0.40, 0.00
HSL	79°, 100%, 80%
HSV	79°, 40%, 100%
XYZ	72.0242, 89.5411, 44.0589
YIQ	233.9180, 13.3490, -38.1950

Conversions

Conversions Part 2

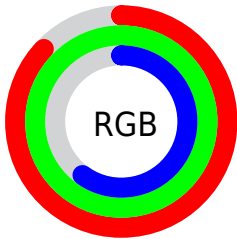
Format	Color
RYB	154, 255, 186
Decimal	14679962
CIELab	95.81, -26.08, 44.84
CIELCh	96, 51.872, 120.182
Yxy	89.5411, 0.3503, 0.4355
Android (android.graphics.Color)	4292870042 (0xFFDFFF9A)
YUV	233.9180, -39.3996, -9.5751
Hunter-Lab	94.6262, -29.7314, 38.6323

Details

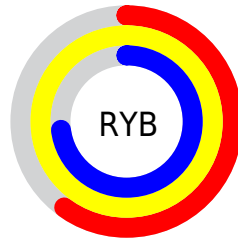
The XYZ color **72.0242, 89.5411, 44.0589** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.8564, 40.7715, 99.8497**, and the grayscale version is **78.4257, 82.5100, 89.8534**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **38.2689, 49.4347, 19.8368** is the 20% darker color. If you saturate the color by 10%, you get **67.6906, 87.5269, 33.9227**, and if you desaturate by 10%, it is **76.9284, 91.7972, 56.5790**.

Distribution



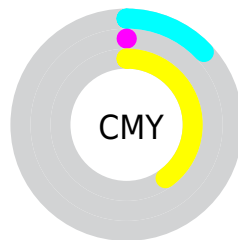
- Red (87%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (73%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0242, 89.5411, 44.0589 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 72.0242, 89.5411, 44.0589 by changing the saturation by 10% instead.


 72.0242, 89.5411,
44.0589


 72.0242, 89.5411,
44.0589

456.7822,
526.5369, 378.9970

 53.4640, 67.6001,
30.3793


 121.1016,
146.7008, 82.6098

 38.4023, 49.5725,
19.8722


 152.3494,
182.6883, 108.3181

 26.4737, 35.0738,
12.1190


188.5572,
224.1267, 138.8731

 17.3129, 23.7197,
6.7012

230.0902,
271.4005, 174.6933

 10.5545, 15.1259,
3.2004

277.3138,
324.8940, 216.1973

 5.8332, 8.9078,
1.1978

330.5935,

 2.7836, 4.6811,

384.9917, 263.8035

0.0000

390.2945,
452.0778, 317.9306

■ 1.0404, 2.0614,
0.0000

■ 0.0000, 0.6428,
0.0000

■ 72.0242, 89.5411,
44.0589

■ 72.0242, 89.5411,
44.0589

■ 67.6906, 87.5269,
33.9227

■ 76.9284, 91.7972,
56.5790

■ 63.8962, 85.7419,
26.0149

■ 82.4301, 94.3063,
71.6178

■ 60.6075, 84.1726,
20.1672

■ 88.5556, 97.0790,
89.3044

■ 57.7861, 82.8033,
16.1861

95.0500, 100.0000,
108.9000

■ 55.3864, 81.6156,
13.8412

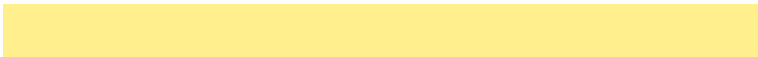
■ 53.3381, 80.5812,
12.7713

■ 53.2616, 80.5424,
12.7391

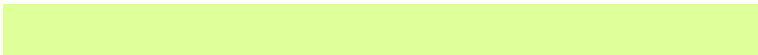
Harmonies

Analogous

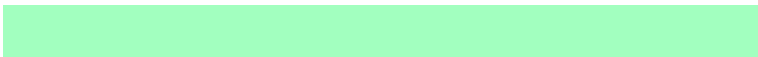
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0189, 89.5411, 38.0698



72.0242, 89.5411, 44.0589



63.4205, 89.5411, 63.3625

Triad

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



72.0242, 89.5411, 44.0589



72.1595, 89.5411, 182.9618



115.6512, 89.5411, 97.2454

Complementary

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



72.0242, 89.5411, 44.0589



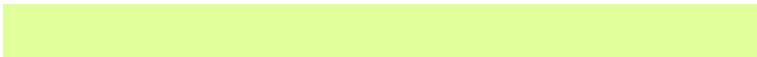
49.8564, 40.7715, 99.8497

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.



111.2449, 89.5411, 142.1005



72.0242, 89.5411, 44.0589



85.1934, 89.5411, 199.2764

Square

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



72.0242, 89.5411, 44.0589



63.4922, 89.5411, 142.6575



99.6833, 89.5411, 182.5820



111.1407, 89.5411, 63.0383

Rectangle

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



72.0242, 89.5411, 44.0589



60.7978, 89.5411, 84.6807



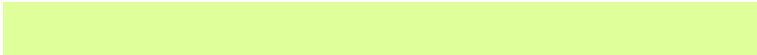
99.6833, 89.5411, 182.5820



115.1583, 89.5411, 111.5410

Sweetspot

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



72.0245, 89.5412, 44.0602



87.0315, 96.3909, 84.8240



64.6288, 58.7048, 38.4979



18.4536, 20.5526, 17.6466



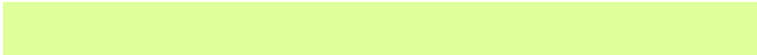
0.0000, 0.0000, 0.0000



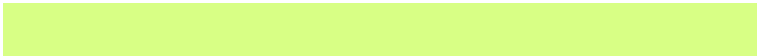
20.3446, 21.4041, 23.3091

Same Dimension

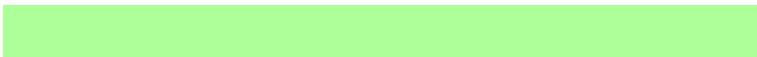
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0245, 89.5412, 44.0602



68.3497, 87.8347, 35.3971



58.7204, 82.6827, 43.4375



18.9686, 20.7853, 19.1565



27.9921, 42.1685, 6.6640



2.8389, 4.1643, 0.6542

Inverse Universe

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



49.8564, 40.7715, 99.8497



43.2605, 32.5865, 98.6175



64.3590, 48.2479, 100.5284



17.5446, 17.6570, 22.7334



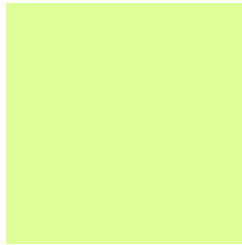
11.3312, 4.7519, 49.7546



1.2109, 0.5181, 4.8495

Previews

White Background



This preview shows how the XYZ color 72.0242, 89.5411, 44.0589 looks on a white background.

Color Contrast Check

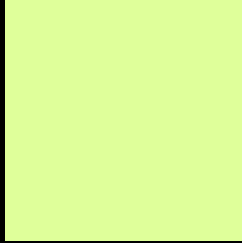
Large Text (above 18pt) WCAG AA × Fail

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 72.0242, 89.5411, 44.0589 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

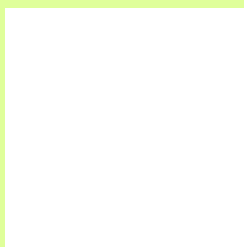
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0242, 89.5411, 44.0589

Background



This preview shows how black text looks on a background with the XYZ color 72.0242, 89.5411, 44.0589.

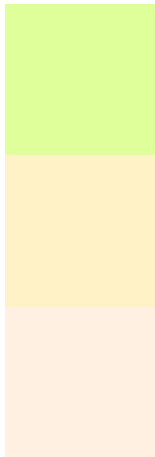


This preview shows how white text looks on a background with the XYZ color 72.0242, 89.5411,

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

72.0242, 89.5411, 44.0589

Protanopia

83.1852, 88.8415, 66.1899

Deuteranopia

86.1276, 89.0712, 84.6046



Tritanopia

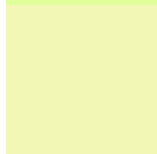
85.3987, 89.0750, 107.2999

Trichromacy



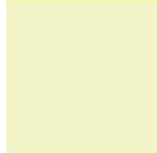
Original Color

72.0242, 89.5411, 44.0589



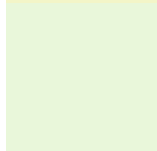
Protanomaly

78.6664, 88.9536, 57.2796



Deuteranomaly

80.0399, 88.5296, 67.5130



Tritanomaly

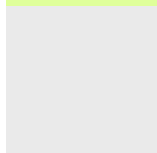
79.5199, 88.9071, 79.2993

Monochromacy



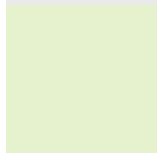
Original Color

72.0242, 89.5411, 44.0589



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4047, 84.7350, 70.1389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0242, 89.5411, 44.0589 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 154) }
```

Border

The CSS property to change the border of an element to XYZ 72.0242, 89.5411, 44.0589 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, 154) }
```


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

```
.border{ border-color:rgb(223, 255, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 154);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0242, 89.5411, 44.0589 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, 154) }
```

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

```
.background{ background-color: rgb(223,  
255, 154) }
```

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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