

Converting Colors

XYZ(72.1659, 89.6478, 42.5447)

Have a look what the booklet for
XYZ(72.1659, 89.6478, 42.5447)
contains.

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Color

**XYZ(72.0055, 89.5693,
42.3477)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FF96
RGB	224, 255, 150
RGB Percent	88%, 100%, 59%
CMY	0.1216, 0.0000, 0.4118
CMYK	0.12, 0.00, 0.41, 0.00
HSL	78°, 100%, 79%
HSV	78°, 41%, 100%
XYZ	72.0055, 89.5693, 42.3477
YIQ	233.7610, 15.2290, -39.2270

Conversions

Conversions Part 2

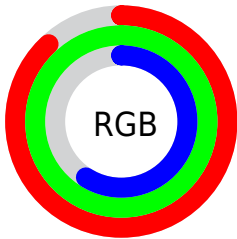
Format	Color
RYB	150, 255, 181
Decimal	14745494
CIELab	95.82, -26.17, 46.80
CIELCh	96, 53.620, 119.212
Yxy	89.5693, 0.3531, 0.4392
Android (android.graphics.Color)	4292935574 (0xFFE0FF96)
YUV	233.7610, -41.2942, -8.5604
Hunter-Lab	94.6411, -29.8142, 39.7191

Details

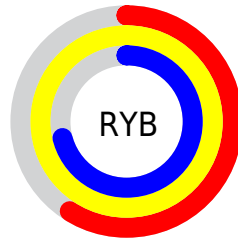
The XYZ color **72.0055, 89.5693, 42.3477** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.0136, 38.8578, 99.5775**, and the grayscale version is **78.3196, 82.3984, 89.7318**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **38.2881, 49.4667, 18.8393** is the 20% darker color. If you saturate the color by 10%, you get **67.8884, 87.6588, 32.5778**, and if you desaturate by 10%, it is **76.6734, 91.7120, 54.4780**.

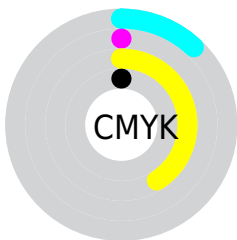
Distribution



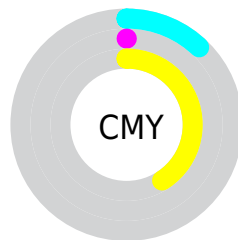
- Red (88%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0055, 89.5693, 42.3477 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 72.0055, 89.5693, 42.3477 by changing the saturation by 10% instead.


 72.0055, 89.5693,
42.3477


 72.0055, 89.5693,
42.3477


456.7181,
526.6288, 371.7644

 53.4486, 67.6235,
29.0460


 121.0751,
146.7400, 80.0013

 38.3900, 49.5915,
18.8698


 152.3186,
182.7336, 105.1904

 26.4641, 35.0889,
11.4004


188.5216,
224.1787, 135.1790

 17.3056, 23.7314,
6.2193

230.0496,
271.4596, 170.3858

 10.5493, 15.1345,
2.9079

277.2679,
324.9606, 211.2291

 5.8297, 8.9138,
1.0478

330.5418,

 2.7815, 4.6850,

385.0662, 258.1276

0.0000

390.2368,
452.1608, 311.4999

■ 1.0393, 2.0637,
0.0000

■ 0.0000, 0.6441,
0.0000

■ 72.0055, 89.5693,
42.3477

■ 72.0055, 89.5693,
42.3477

■ 67.8884, 87.6588,
32.5778

■ 76.6734, 91.7120,
54.4780

■ 64.2905, 85.9679,
25.0101

■ 81.9190, 94.0979,
69.1053

■ 61.1782, 84.4827,
19.4735

■ 87.7687, 96.7377,
86.3603

■ 58.5122, 83.1876,
15.7695

■ 94.2464, 99.6410,
106.3633

■ 56.2461, 82.0637, 95.0500, 100.0000,
13.6601 108.9000

■ 54.5155, 81.1888,
12.7977

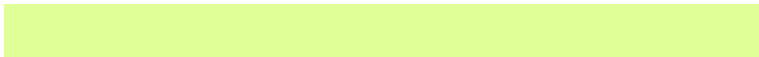
Harmonies

Analogous

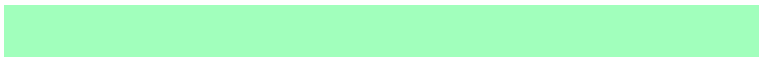
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5245, 89.5693, 36.6904



72.0055, 89.5693, 42.3477



62.9827, 89.5693, 61.5218

Triad

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



72.0055, 89.5693, 42.3477



71.4016, 89.5693, 185.4629



116.8210, 89.5693, 98.6496

Complementary

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



72.0055, 89.5693, 42.3477



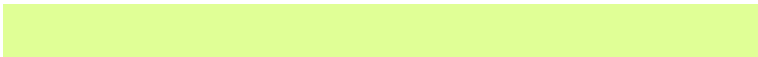
48.0136, 38.8578, 99.5775

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.



111.9487, 89.5693, 145.3892



72.0055, 89.5693, 42.3477



84.7426, 89.5693, 203.6165

Square

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



72.0055, 89.5693, 42.3477



62.6634, 89.5693, 142.8733



99.7661, 89.5693, 187.1867



112.4186, 89.5693, 62.9592

Rectangle

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



72.0055, 89.5693, 42.3477



60.1611, 89.5693, 83.0734



99.7661, 89.5693, 187.1867



116.2052, 89.5693, 113.5640

Sweetspot

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



72.0058, 89.5694, 42.3490



87.2628, 96.5101, 84.8348



63.0165, 56.0046, 36.3441



18.5082, 20.5808, 17.6491



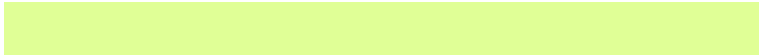
0.0000, 0.0000, 0.0000



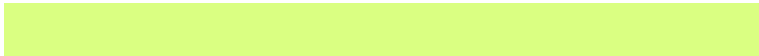
20.3446, 21.4041, 23.3091

Same Dimension

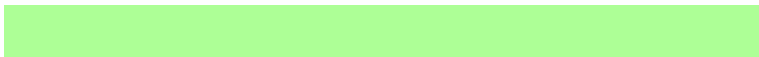
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0058, 89.5694, 42.3490



68.7387, 88.0553, 34.5102



58.4441, 82.5781, 41.7143



19.0083, 20.8057, 19.1584



28.6424, 42.5038, 6.6944



2.8984, 4.1949, 0.6569

Inverse Universe

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



48.0136, 38.8578, 99.5775



41.9631, 31.4076, 98.4583



62.3170, 46.2314, 100.2468



17.5070, 17.6376, 22.7316



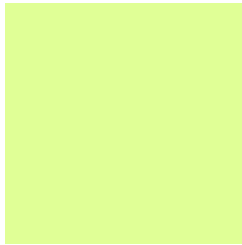
11.0886, 4.6268, 49.7432



1.1834, 0.5040, 4.8482

Previews

White Background



This preview shows how the XYZ color 72.0055, 89.5693, 42.3477 looks on a white background.

Color Contrast Check

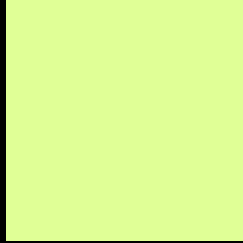
Large Text (above 18pt) WCAG AA × Fail

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 72.0055, 89.5693, 42.3477 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 72.0055, 89.5693, 42.3477

Background



This preview shows how black text looks on a background with the XYZ color 72.0055, 89.5693, 42.3477.

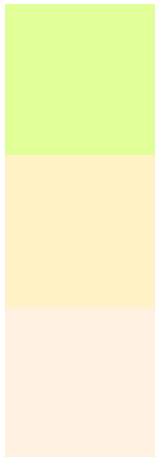


This preview shows how white text looks on a background with the XYZ color 72.0055, 89.5693,

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

72.0055, 89.5693, 42.3477

Protanopia

83.4836, 89.4384, 66.2894

Deuteranopia

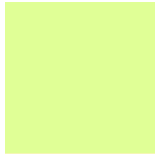
86.1276, 89.0712, 84.6046



Tritanopia

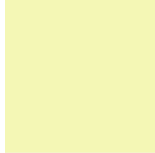
85.7373, 89.2495, 107.3158

Trichromacy



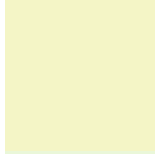
Original Color

72.0055, 89.5693, 42.3477



Protanomaly

78.9095, 89.0908, 56.7533



Deuteranomaly

80.1537, 88.6151, 66.3060



Tritanomaly

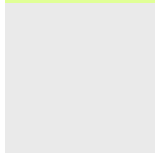
79.7168, 89.0237, 78.6274

Monochromacy



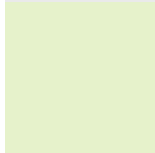
Original Color

72.0055, 89.5693, 42.3477



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.1648, 84.6391, 68.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0055, 89.5693, 42.3477 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(224, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 150)  
}
```

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(224, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 150) }
```

Border

The CSS property to change the border of an element to XYZ 72.0055, 89.5693, 42.3477 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(224, 255, 150) }
```


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

```
.border{ border-color:rgb(224, 255, 150) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0055, 89.5693, 42.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 150) }
```

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

```
.background{ background-color: rgb(224,  
255, 150) }
```

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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