

Converting Colors

XYZ(72.4919, 89.7918, 43.6478)

Have a look what the booklet for
XYZ(72.4919, 89.7918, 43.6478)
contains.

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Color

**XYZ(72.5611, 89.8275,
43.6510)**

Conversions

Conversions Part 1

Format	Color
Hex	E1FF99
RGB	225, 255, 153
RGB Percent	88%, 100%, 60%
CMY	0.1176, 0.0000, 0.4000
CMYK	0.12, 0.00, 0.40, 0.00
HSL	78°, 100%, 80%
HSV	78°, 40%, 100%
XYZ	72.5611, 89.8275, 43.6510
YIQ	234.4020, 14.8620, -38.0820

Conversions

Conversions Part 2

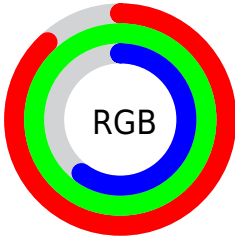
Format	Color
RYB	153, 255, 183
Decimal	14811033
CIELab	95.93, -25.46, 45.50
CIELCh	96, 52.142, 119.230
Yxy	89.8275, 0.3522, 0.4360
Android (android.graphics.Color)	4293001113 (0xFFE1FF99)
YUV	234.4020, -40.1312, -8.2456
Hunter-Lab	94.7774, -29.2017, 39.0373

Details

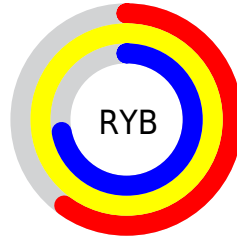
The XYZ color **72.5611, 89.8275, 43.6510** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.9708, 40.0710, 99.7612**, and the grayscale version is **78.7976, 82.9012, 90.2794**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **38.6428, 49.6331, 19.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.3877, 87.8939, 33.6117**, and if you desaturate by 10%, it is **77.2878, 91.9942, 56.0678**.

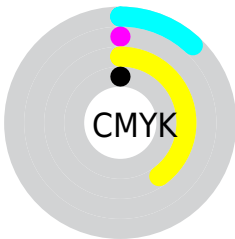
Distribution



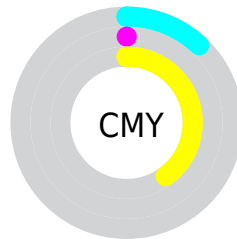
- Red (88%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.5611, 89.8275, 43.6510 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 72.5611, 89.8275, 43.6510 by changing the saturation by 10% instead.


 72.5611, 89.8275,
43.6510


 72.5611, 89.8275,
43.6510


458.6196,
527.4696, 377.2818

 53.9043, 67.8376,
30.0611


 121.8604,
147.0988, 81.9892

 38.7555, 49.7656,
19.6325


 153.2336,
183.1489, 107.5745

 26.7494, 35.2272,
11.9468


189.5763,
224.6546, 137.9954

 17.5207, 23.8379,
6.5853

231.2538,
272.0001, 173.6703

 10.7041, 15.2134,
3.1297

278.6316,
325.5700, 215.0179

 5.9340, 8.9693,
1.1612

332.0749,

 2.8453, 4.7212,

385.7486, 262.4567

0.0000

391.9491,
452.9203, 316.4051

■ 1.0725, 2.0846,
0.0000

■ 0.0019, 0.6560,
0.0000

■ 72.5611, 89.8275,
43.6510

■ 72.5611, 89.8275,
43.6510

■ 68.3877, 87.8939,
33.6117

■ 77.2878, 91.9942,
56.0678

■ 64.7367, 86.1810,
25.7937

■ 82.5947, 94.4051,
70.9973

■ 61.5746, 84.6752,
20.0281

■ 88.5078, 97.0706,
88.5690

■ 58.8631, 83.3611,
16.1202

95.0500, 100.0000,
108.9000

■ 56.5568, 82.2202,
13.8376

■ 54.5822, 81.2232,
12.8009

■ 54.5820, 81.2231,
12.8009

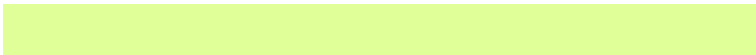
Harmonies

Analogous

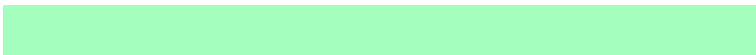
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7510, 89.8275, 38.0206



72.5611, 89.8275, 43.6510



63.7326, 89.8275, 62.5944

Triad

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



72.5611, 89.8275, 43.6510



71.9843, 89.8275, 182.9685



116.1585, 89.8275, 98.8766

Complementary

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



72.5611, 89.8275, 43.6510



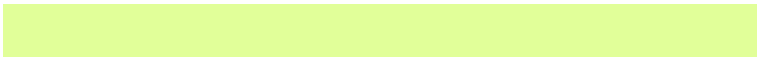
48.9708, 40.0710, 99.7612

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.



111.4419, 89.8275, 144.2332



72.5611, 89.8275, 43.6510



85.0067, 89.8275, 200.4305

Square

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



72.5611, 89.8275, 43.6510



63.4269, 89.8275, 141.8547



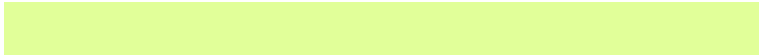
99.6225, 89.8275, 184.5915



111.8870, 89.8275, 63.9754

Rectangle

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



72.5611, 89.8275, 43.6510



60.9680, 89.8275, 83.7266



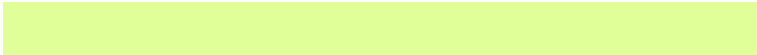
99.6225, 89.8275, 184.5915



115.5638, 89.8275, 113.3833

Sweetspot

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



72.5614, 89.8276, 43.6523



87.2748, 96.5163, 84.8354



63.6979, 56.9758, 37.7784



18.5110, 20.5822, 17.6493



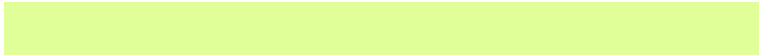
0.0000, 0.0000, 0.0000



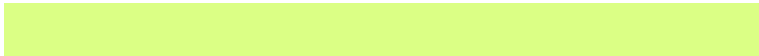
20.3446, 21.4041, 23.3091

Same Dimension

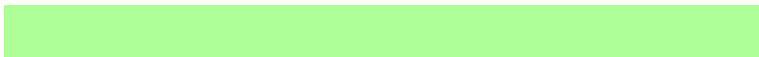
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5614, 89.8276, 43.6523



69.1792, 88.2623, 35.4359



59.2121, 82.9458, 43.0275



19.0103, 20.8068, 19.1585



28.6768, 42.5215, 6.6960



2.9015, 4.1965, 0.6571

Inverse Universe

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



48.9708, 40.0710, 99.7612



42.6596, 32.2767, 98.5894



63.0135, 47.3103, 100.4184



17.5050, 17.6366, 22.7315



11.0765, 4.6206, 49.7427



1.1820, 0.5033, 4.8481

Previews

White Background



This preview shows how the XYZ color 72.5611, 89.8275, 43.6510 looks on a white background.

Color Contrast Check

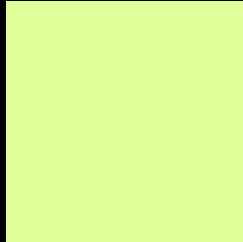
Large Text (above 18pt) WCAG AA × Fail

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 72.5611, 89.8275, 43.6510 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

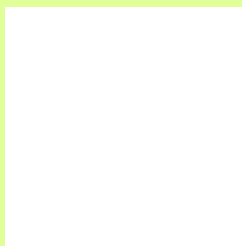
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5611, 89.8275, 43.6510

Background



This preview shows how black text looks on a background with the XYZ color 72.5611, 89.8275, 43.6510.

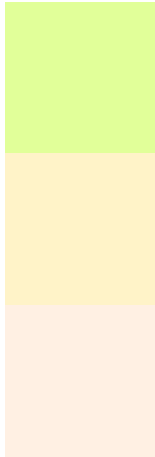


This preview shows how white text looks on a background with the XYZ color 72.5611, 89.8275,

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

72.5611, 89.8275, 43.6510

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

86.2652, 89.1262, 85.3295



Tritanopia

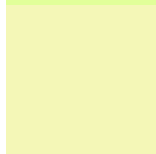
85.7373, 89.2495, 107.3158

Trichromacy



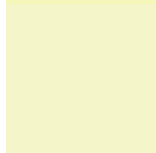
Original Color

72.5611, 89.8275, 43.6510



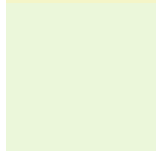
Protanomaly

79.1162, 89.1735, 57.8421



Deuteranomaly

80.3860, 88.7080, 67.5292



Tritanomaly

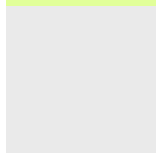
80.1766, 89.2457, 79.3300

Monochromacy



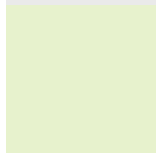
Original Color

72.5611, 89.8275, 43.6510



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7266, 84.9010, 70.1539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5611, 89.8275, 43.6510 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(225, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 153)  
}
```

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(225, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 72.5611, 89.8275, 43.6510 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(225, 255, 153) }
```


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

```
.border{ border-color:rgb(225, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(225, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5611, 89.8275, 43.6510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 153) }
```

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

```
.background{ background-color: rgb(225,  
255, 153) }
```

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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