

Converting Colors

XYZ(72.3181, 89.3867, 57.8954)

Have a look what the booklet for
XYZ(72.3181, 89.3867, 57.8954)
contains.

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Color

**XYZ(72.2278, 89.3445,
57.6944)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFB6
RGB	215, 255, 182
RGB Percent	84%, 100%, 71%
CMY	0.1569, 0.0000, 0.2863
CMYK	0.16, 0.00, 0.29, 0.00
HSL	93°, 100%, 86%
HSV	93°, 29%, 100%
XYZ	72.2278, 89.3445, 57.6944
YIQ	234.7180, -0.4070, -31.1830

Conversions

Conversions Part 2

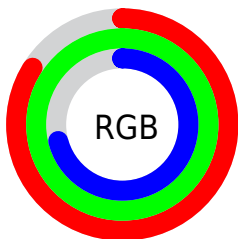
Format	Color
RYB	182, 255, 222
Decimal	14155702
CIELab	95.72, -25.30, 30.79
CIElCh	96, 39.847, 129.408
Yxy	89.3445, 0.3294, 0.4075
Android (android.graphics.Color)	4292345782 (0xFFD7FFB6)
YUV	234.7180, -25.9900, -17.2927
Hunter-Lab	94.5222, -29.0157, 29.9762

Details

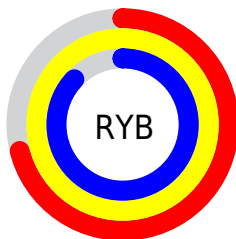
The XYZ color **72.2278, 89.3445, 57.6944** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.9033, 56.2068, 102.0360**, and the grayscale version is **78.9422, 83.0533, 90.4451**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **38.4546, 49.3441, 28.2665** is the 20% darker color. If you saturate the color by 10%, you get **65.8982, 86.3587, 44.8717**, and if you desaturate by 10%, it is **79.3886, 92.7033, 73.0634**.

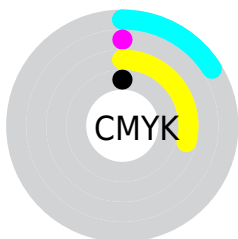
Distribution



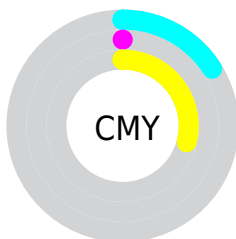
- Red (84%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (87%)



- Cyan (16%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2278, 89.3445, 57.6944 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 72.2278, 89.3445, 57.6944 by changing the saturation by 10% instead.


 72.2278, 89.3445,
57.6944

 72.2278, 89.3445,
57.6944


457.4794,
525.8962, 433.6126

 53.6309, 67.4371,
41.1499


 121.3894,
146.4275, 102.9881

 38.5362, 49.4399,
28.1157


152.6848,
182.3720, 132.5744

 26.5782, 34.9686,
18.1731


188.9438,
223.7642, 167.3450

 17.3916, 23.6387,
10.9036

230.5317,
270.9886, 207.7186

 10.6111, 15.0658,
5.8887

277.8138,
324.4297, 254.1136

 5.8713, 8.8656,
2.7098

331.1556,

 2.8069, 4.6536,

384.4717, 306.9486

0.9484

390.9224,
451.4991, 366.6421

■ 1.0525, 2.0455,
0.0000

■ 0.0000, 0.6337,
0.0000

■ 72.2278, 89.3445,
57.6944

■ 72.2278, 89.3445,
57.6944

■ 65.8982, 86.3587,
44.8717

■ 79.3886, 92.7033,
73.0634

■ 60.3638, 83.7305,
34.4537

■ 87.4120, 96.4485,
91.1020

■ 55.5874, 81.4439,
26.2909

95.0500, 100.0000,
108.9000

■ 51.5277, 79.4813,
20.2155

■ 48.1388, 77.8232,
16.0364

■ 45.3672, 76.4471,
13.5272

■ 43.1409, 75.3228,
12.3656

■ 42.8659, 75.1832,
12.2526

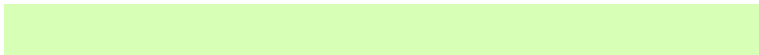
Harmonies

Analogous

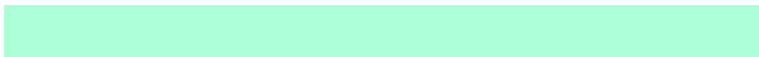
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5199, 89.3445, 49.0505



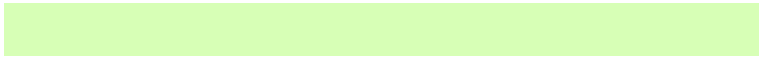
72.2278, 89.3445, 57.6944



66.6755, 89.3445, 77.5556

Triad

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



72.2278, 89.3445, 57.6944



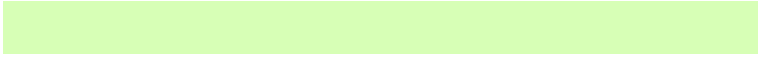
77.7191, 89.3445, 165.4435



107.4589, 89.3445, 87.7424

Complementary

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



72.2278, 89.3445, 57.6944



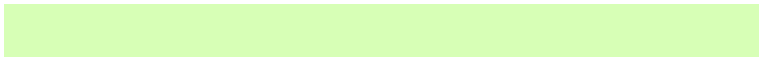
64.9033, 56.2068, 102.0360

Split Complementary

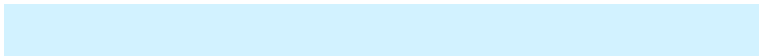
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.2198, 89.3445, 120.0958



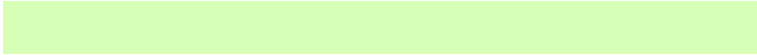
72.2278, 89.3445, 57.6944



88.4119, 89.3445, 169.8200

Square

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



72.2278, 89.3445, 57.6944



69.6514, 89.3445, 140.8596



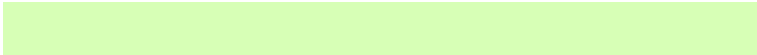
99.0166, 89.3445, 151.7777



102.2696, 89.3445, 63.7683

Rectangle

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



72.2278, 89.3445, 57.6944



65.5368, 89.3445, 96.6587



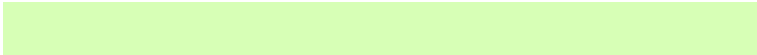
99.0166, 89.3445, 151.7777



107.7897, 89.3445, 97.9059

Sweetspot

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



72.2282, 89.3447, 57.6957



87.0964, 96.3015, 90.3787



75.5229, 76.3158, 55.0072



18.3816, 20.4911, 18.7497



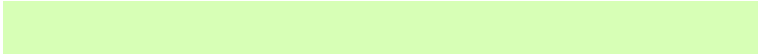
0.0000, 0.0000, 0.0000



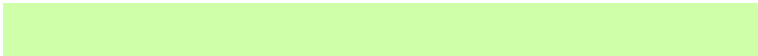
20.3446, 21.4041, 23.3091

Same Dimension

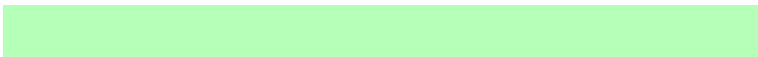
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2282, 89.3447, 57.6957



68.7257, 87.6947, 50.4970



63.7495, 84.9444, 58.6232



18.5514, 20.5702, 19.1370



22.5650, 39.3708, 6.4100



2.3209, 3.8972, 0.6299

Inverse Universe

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



64.9033, 56.2068, 102.0360



60.3702, 49.9058, 101.0587



75.6291, 61.7812, 100.5059



17.9545, 17.8683, 22.7526



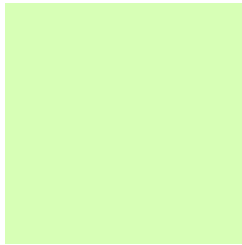
15.2334, 6.7636, 49.9372



1.6092, 0.7235, 4.8681

Previews

White Background



This preview shows how the XYZ color 72.2278, 89.3445, 57.6944 looks on a white background.

Color Contrast Check

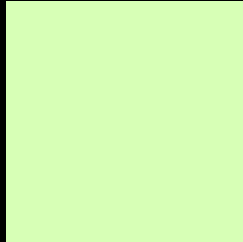
Large Text (above 18pt) WCAG AA × Fail

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 72.2278, 89.3445, 57.6944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

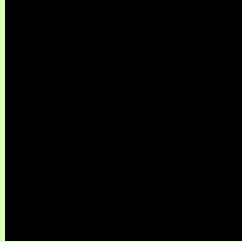
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

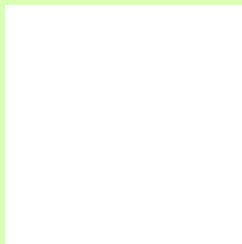
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2278, 89.3445, 57.6944

Background



This preview shows how black text looks on a background with the XYZ color 72.2278, 89.3445, 57.6944.

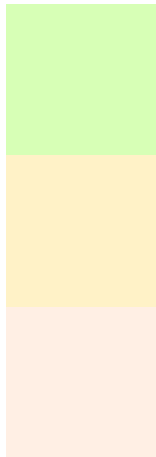


This preview shows how white text looks on a background with the XYZ color 72.2278, 89.3445,

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

72.2278, 89.3445, 57.6944

Protanopia

83.3009, 88.8878, 66.7995

Deuteranopia

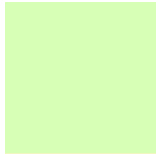
86.1101, 88.5944, 85.9607



Tritanopia

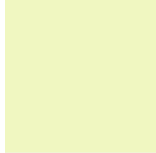
84.3324, 89.4138, 107.4215

Trichromacy



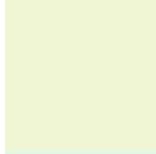
Original Color

72.2278, 89.3445, 57.6944



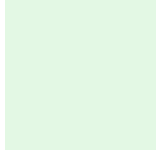
Protanomaly

78.8216, 88.8970, 63.4566



Deuteranomaly

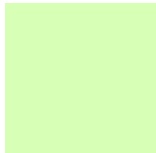
80.3455, 88.5332, 74.4820



Tritanomaly

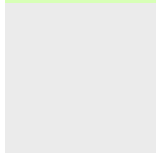
79.2495, 89.0671, 86.4136

Monochromacy



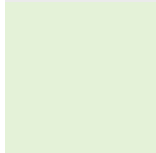
Original Color

72.2278, 89.3445, 57.6944



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.1417, 84.9561, 77.3508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2278, 89.3445, 57.6944 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(215, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 182)  
}
```

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(215, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 182) }
```

Border

The CSS property to change the border of an element to XYZ 72.2278, 89.3445, 57.6944 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(215, 255, 182) }
```


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

```
.border{ border-color:rgb(215, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2278, 89.3445, 57.6944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 182) }
```

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

```
.background{ background-color: rgb(215,  
255, 182) }
```

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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