

Converting Colors

XYZ(76.7506, 100.0000,
52.7449)

Have a look what the booklet for
XYZ(76.7506, 100.0000, 52.7449)
contains.

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Color

**XYZ(71.2403, 88.9835,
50.9569)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFA9
RGB	216, 255, 169
RGB Percent	85%, 100%, 66%
CMY	0.1529, 0.0000, 0.3372
CMYK	0.15, 0.00, 0.34, 0.00
HSL	87°, 100%, 83%
HSV	87°, 34%, 100%
XYZ	71.2403, 88.9835, 50.9569
YIQ	233.5350, 4.3620, -35.0140

Conversions

Conversions Part 2

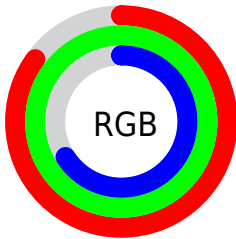
Format	Color
RYB	169, 255, 208
Decimal	14221225
CIELab	95.57, -26.74, 37.09
CIELCh	96, 45.721, 125.785
Yxy	88.9835, 0.3373, 0.4214
Android (android.graphics.Color)	4292411305 (0xFFD8FFA9)
YUV	233.5350, -31.8158, -15.3782
Hunter-Lab	94.3311, -30.2734, 34.0038

Details

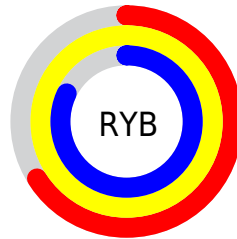
The XYZ color **71.2403, 88.9835, 50.9569** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.2515, 49.0071, 100.9969**, and the grayscale version is **78.0851, 82.1516, 89.4630**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **37.8437, 49.1227, 24.0101** is the 20% darker color. If you saturate the color by 10%, you get **65.7777, 86.4175, 39.4001**, and if you desaturate by 10%, it is **77.4111, 91.8605, 64.9863**.

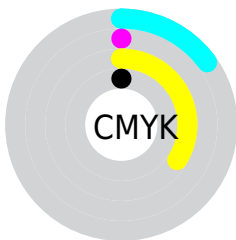
Distribution



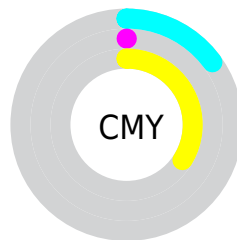
- Red (85%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2403, 88.9835, 50.9569 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 71.2403, 88.9835, 50.9569 by changing the saturation by 10% instead.


 71.2403, 88.9835,
50.9569

 71.2403, 88.9835,
50.9569


454.0918,
524.7186, 407.2381

 52.8216, 67.1379,
35.7978


 119.9925,
145.9256, 93.0019

 37.8872, 49.1967,
23.9896


151.0566,
181.7909, 120.7249

 26.0720, 34.7755,
15.1138


187.0666,
223.0982, 153.4730

 17.0105, 23.4900,
8.7518

228.3878,
270.2319, 191.6646

 10.3373, 14.9557,
4.4850

275.3856,
323.5764, 235.7185

 5.6872, 8.7883,
1.8950

328.4253,

 2.6946, 4.6034,

383.5161, 286.0529

0.4896

387.8722,
450.4354, 343.0866

■ 0.9944, 2.0165,
0.0000

■ 0.0000, 0.6170,
0.0000

■ 71.2403, 88.9835,
50.9569

■ 71.2403, 88.9835,
50.9569

■ 65.7777, 86.4175,
39.4001

■ 77.4111, 91.8605,
64.9863

■ 60.9898, 84.1487,
30.1682

■ 84.3187, 95.0606,
81.6164

■ 56.8421, 82.1625,
23.1039

■ 91.9914, 98.5956,
100.9714

■ 53.2954, 80.4428,
18.0287

■ 95.0500, 100.0000,
108.9000

■ 50.3049, 78.9709,
14.7357

■ 47.8173, 77.7249,
12.9725

■ 46.4673, 77.0398,
12.4211

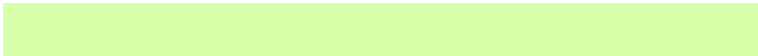
Harmonies

Analogous

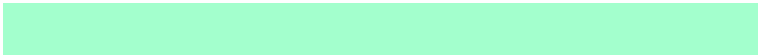
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1678, 88.9835, 43.1275



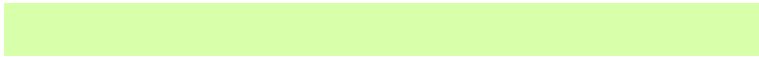
71.2403, 88.9835, 50.9569



64.4287, 88.9835, 71.2253

Triad

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



71.2403, 88.9835, 50.9569



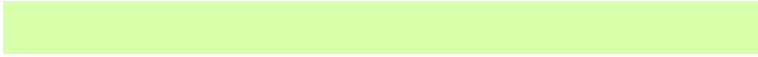
75.0631, 88.9835, 174.5379



110.9170, 88.9835, 90.0894

Complementary

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



71.2403, 88.9835, 50.9569



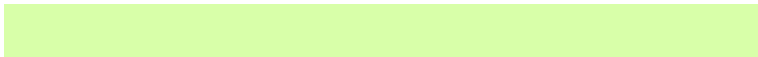
58.2515, 49.0071, 100.9969

Split Complementary

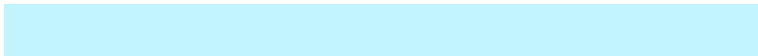
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.5386, 88.9835, 128.0750



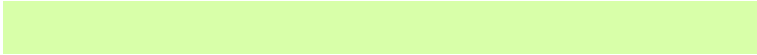
71.2403, 88.9835, 50.9569



87.0311, 88.9835, 183.1539

Square

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



71.2403, 88.9835, 50.9569



66.4783, 88.9835, 143.1595



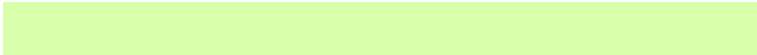
99.4803, 88.9835, 164.4293



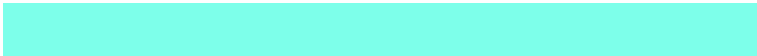
105.6923, 88.9835, 61.8452

Rectangle

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



71.2403, 88.9835, 50.9569



62.7281, 88.9835, 91.8990



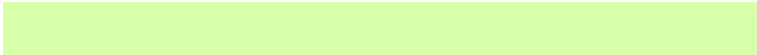
99.4803, 88.9835, 164.4293



110.9861, 88.9835, 102.0541

Sweetspot

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



71.2407, 88.9837, 50.9582



87.0855, 96.3374, 88.5004



70.8848, 69.0910, 47.1373



18.4137, 20.5159, 18.3771



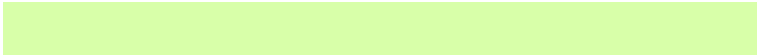
0.0000, 0.0000, 0.0000



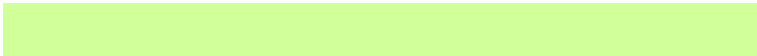
20.3446, 21.4041, 23.3091

Same Dimension

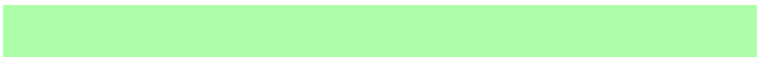
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.2407, 88.9837, 50.9582



67.7316, 87.3378, 43.4250



60.2222, 83.3034, 50.4425



18.7204, 20.6573, 19.1449



24.4547, 40.3449, 6.4985



2.5070, 3.9932, 0.6386

Inverse Universe

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



58.2515, 49.0071, 100.9969



53.0626, 42.1797, 99.9525



71.9142, 56.0505, 101.6363



17.7854, 17.7811, 22.7447



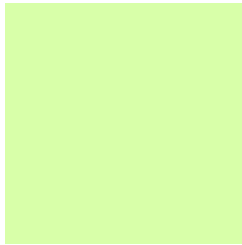
13.3370, 5.7859, 49.8484



1.4225, 0.6272, 4.8594

Previews

White Background



This preview shows how the XYZ color 71.2403, 88.9835, 50.9569 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 71.2403, 88.9835, 50.9569 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 71.2403, 88.9835, 50.9569

Background



This preview shows how black text looks on a background with the XYZ color 71.2403, 88.9835, 50.9569.

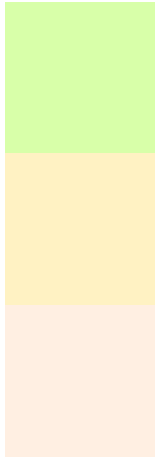


This preview shows how white text looks on a background with the XYZ color 71.2403, 88.9835,

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

71.2403, 88.9835, 50.9569

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

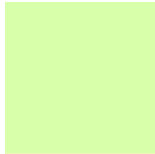
85.8340, 88.4840, 84.5067



Tritanopia

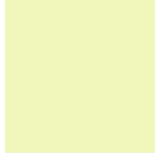
84.0323, 88.8136, 107.3215

Trichromacy



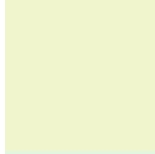
Original Color

71.2403, 88.9835, 50.9569



Protanomaly

78.3993, 88.7675, 59.4561



Deuteranomaly

79.9475, 88.4134, 70.6094



Tritanomaly

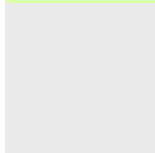
78.3939, 88.2342, 83.4201

Monochromacy



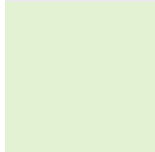
Original Color

71.2403, 88.9835, 50.9569



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.0635, 84.4883, 73.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2403, 88.9835, 50.9569 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(216, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 169)  
}
```

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(216, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 71.2403, 88.9835, 50.9569 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(216, 255, 169) }
```


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

```
.border{ border-color:rgb(216, 255, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2403, 88.9835, 50.9569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 169) }
```

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

```
.background{ background-color: rgb(216,  
255, 169) }
```

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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