

Converting Colors

XYZ(77.2069, 100.0000,
52.8859)

Have a look what the booklet for
XYZ(77.2069, 100.0000, 52.8859)
contains.

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Color

**XYZ(71.8349, 89.2900,
50.9847)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFFA9
RGB	218, 255, 169
RGB Percent	85%, 100%, 66%
CMY	0.1451, 0.0000, 0.3372
CMYK	0.15, 0.00, 0.34, 0.00
HSL	86°, 100%, 83%
HSV	86°, 34%, 100%
XYZ	71.8349, 89.2900, 50.9847
YIQ	234.1330, 5.5540, -34.5900

Conversions

Conversions Part 2

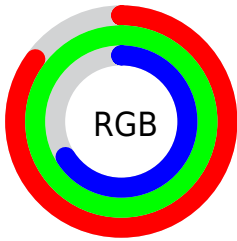
Format	Color
RYB	169, 255, 206
Decimal	14352297
CIELab	95.70, -26.03, 37.28
CIELCh	96, 45.468, 124.919
Yxy	89.2900, 0.3387, 0.4210
Android (android.graphics.Color)	4292542377 (0xFFDAFFA9)
YUV	234.1330, -32.1106, -14.1486
Hunter-Lab	94.4934, -29.6658, 34.1550

Details

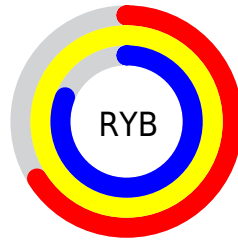
The XYZ color **71.8349, 89.2900, 50.9847** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.6926, 48.7190, 100.9707**, and the grayscale version is **78.5395, 82.6297, 89.9837**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **38.2468, 49.3305, 24.0289** is the 20% darker color. If you saturate the color by 10%, you get **66.4965, 86.7881, 39.4337**, and if you desaturate by 10%, it is **77.8582, 92.0910, 65.0072**.

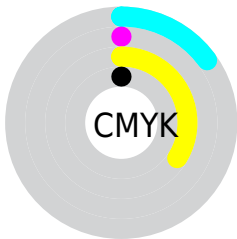
Distribution



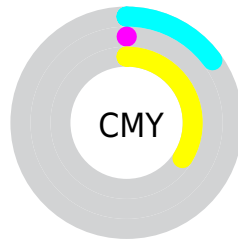
- Red (85%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (81%)



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





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8349, 89.2900, 50.9847 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 71.8349, 89.2900, 50.9847 by changing the saturation by 10% instead.


 71.8349, 89.2900,
50.9847

 71.8349, 89.2900,
50.9847


456.1333,
525.7185, 407.3492

 53.3088, 67.3919,
35.8198


 120.8338,
146.3518, 93.0434

 38.2778, 49.4032,
24.0065


152.0374,
182.2843, 120.7743

 26.3766, 34.9394,
15.1262


188.1975,
223.6637, 153.5310

 17.2397, 23.6162,
8.7604

229.6795,
270.8744, 191.7319

 10.5019, 15.0492,
4.4905

276.8487,
324.3009, 235.7956

 5.7978, 8.8539,
1.8981

330.0705,

 2.7620, 4.6460,

384.3275, 286.1407

0.4915

389.7102,
451.3386, 343.1857

■ 1.0292, 2.0411,
0.0000

■ 0.0000, 0.6312,
0.0000

■ 71.8349, 89.2900,
50.9847

■ 71.8349, 89.2900,
50.9847

■ 66.4965, 86.7881,
39.4337

■ 77.8582, 92.0910,
65.0072

■ 61.8103, 84.5717,
30.2066

■ 84.5944, 95.2027,
81.6293

■ 57.7425, 82.6267,
23.1460

■ 92.0709, 98.6365,
100.9751

■ 54.2547, 80.9373,
18.0735

■ 95.0500, 100.0000,
108.9000

■ 51.3031, 79.4855,
14.7824

■ 48.8350, 78.2496,
13.0201

■ 47.4881, 77.5660,
12.4689

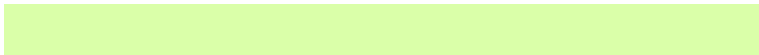
Harmonies

Analogous

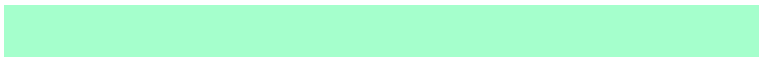
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8223, 89.2900, 43.4882



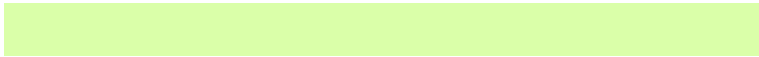
71.8349, 89.2900, 50.9847



64.9003, 89.2900, 70.8564

Triad

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



71.8349, 89.2900, 50.9847



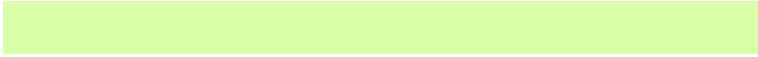
75.0781, 89.2900, 173.8747



111.1472, 89.2900, 91.4354

Complementary

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



71.8349, 89.2900, 50.9847



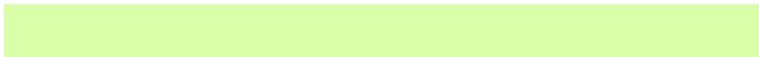
57.6926, 48.7190, 100.9707

Split Complementary

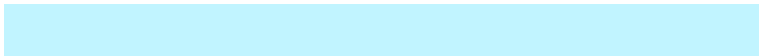
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.5598, 89.2900, 129.4292



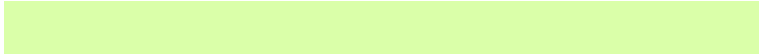
71.8349, 89.2900, 50.9847



86.9461, 89.2900, 183.2300

Square

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



71.8349, 89.2900, 50.9847



66.6398, 89.2900, 142.2052



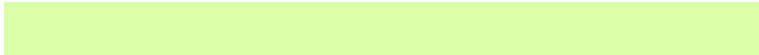
99.3880, 89.2900, 165.3188



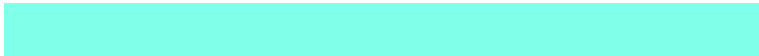
106.1483, 89.2900, 62.8919

Rectangle

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



71.8349, 89.2900, 50.9847



63.1004, 89.2900, 91.2502



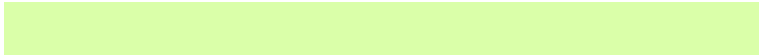
99.3880, 89.2900, 165.3188



111.1401, 89.2900, 103.4480

Sweetspot

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



71.8353, 89.2902, 50.9860



87.2911, 96.4434, 88.5100



70.1935, 67.7083, 46.9068



18.4635, 20.5415, 18.3795



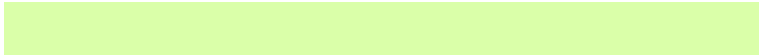
0.0000, 0.0000, 0.0000



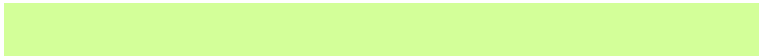
20.3446, 21.4041, 23.3091

Same Dimension

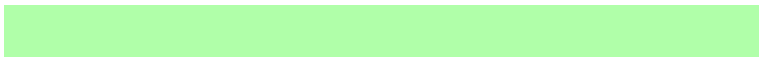
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8353, 89.2902, 50.9860



68.4069, 87.6859, 43.4566



60.8644, 83.6345, 50.4726



18.7623, 20.6789, 19.1469



24.9880, 40.6198, 6.5234



2.5582, 4.0196, 0.6410

Inverse Universe

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



57.6926, 48.7190, 100.9707



52.4369, 41.8572, 99.9233



70.8909, 55.5229, 101.5884



17.7441, 17.7598, 22.7427



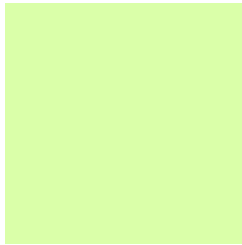
12.9359, 5.5792, 49.8297



1.3817, 0.6062, 4.8575

Previews

White Background



This preview shows how the XYZ color 71.8349, 89.2900, 50.9847 looks on a white background.

Color Contrast Check

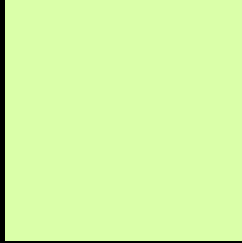
Large Text (above 18pt) WCAG AA × Fail

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 71.8349, 89.2900, 50.9847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

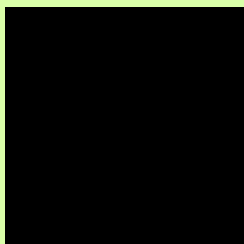
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

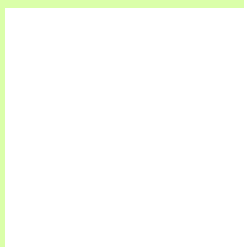
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8349, 89.2900, 50.9847

Background



This preview shows how black text looks on a background with the XYZ color 71.8349, 89.2900, 50.9847.

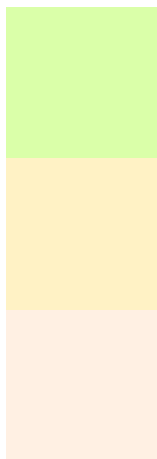


This preview shows how white text looks on a background with the XYZ color 71.8349, 89.2900,

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

71.8349, 89.2900, 50.9847

Protanopia

83.0702, 88.7955, 65.5843

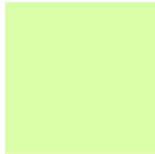
Deuteranopia

86.2652, 89.1262, 85.3295

Tritanopia

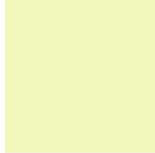
84.6927, 89.1541, 107.3524

Trichromacy



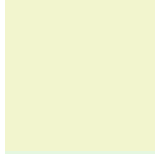
Original Color

71.8349, 89.2900, 50.9847



Protanomaly

78.8484, 88.9866, 60.0341



Deuteranomaly

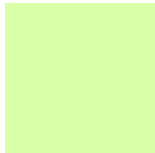
80.4109, 88.6383, 71.2633



Tritanomaly

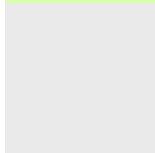
79.0284, 88.5614, 83.4498

Monochromacy



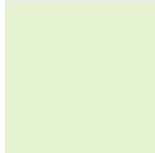
Original Color

71.8349, 89.2900, 50.9847



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.3799, 84.6514, 73.3392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8349, 89.2900, 50.9847 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(218, 255, 169)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 255, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 169) }
```

Border

The CSS property to change the border of an element to XYZ 71.8349, 89.2900, 50.9847 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(218, 255, 169) }
```


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

```
.border{ border-color:rgb(218, 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(218, 255, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 169);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8349, 89.2900, 50.9847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 169) }
```

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

```
.background{ background-color: rgb(218,  
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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