

Converting Colors

XYZ(71.7376, 89.3837, 44.4826)

Have a look what the booklet for
XYZ(71.7376, 89.3837, 44.4826)
contains.

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Color

**XYZ(71.8006, 89.4162,
44.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	DEFF9B
RGB	222, 255, 155
RGB Percent	87%, 100%, 61%
CMY	0.1294, 0.0000, 0.3921
CMYK	0.13, 0.00, 0.39, 0.00
HSL	80°, 100%, 80%
HSV	80°, 39%, 100%
XYZ	71.8006, 89.4162, 44.4851
YIQ	233.7330, 12.4320, -38.0960

Conversions

Conversions Part 2

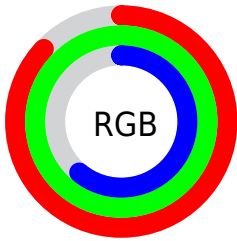
Format	Color
RYB	155, 255, 188
Decimal	14614427
CIELab	95.75, -26.33, 44.27
CIELCh	96, 51.510, 120.736
Yxy	89.4162, 0.3491, 0.4347
Android (android.graphics.Color)	4292804507 (0xFFDEFF9B)
YUV	233.7330, -38.8154, -10.2898
Hunter-Lab	94.5601, -29.9431, 38.2996

Details

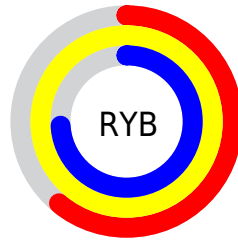
The XYZ color **71.8006, 89.4162, 44.4851** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.5115, 41.3554, 99.9279**, and the grayscale version is **78.2818, 82.3585, 89.6884**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **38.1094, 49.3468, 20.0867** is the 20% darker color. If you saturate the color by 10%, you get **67.3665, 87.3522, 34.2546**, and if you desaturate by 10%, it is **76.8161, 91.7276, 57.1056**.

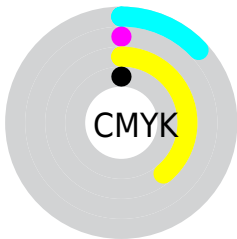
Distribution



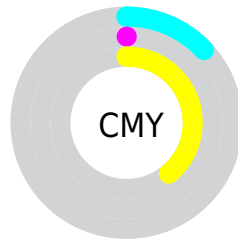
- Red (87%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (74%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8006, 89.4162, 44.4851 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 71.8006, 89.4162, 44.4851 by changing the saturation by 10% instead.


 71.8006, 89.4162,
44.4851


 71.8006, 89.4162,
44.4851


456.0157,
526.1299, 380.7833

 53.2807, 67.4965,
30.7121


 120.7853,
146.5272, 83.2574

 38.2553, 49.4883,
20.1231


 151.9809,
182.4873, 109.0938

 26.3590, 35.0070,
12.2996


188.1323,
223.8964, 139.7884

 17.2265, 23.6682,
6.8230

229.6050,
271.1389, 175.7598

 10.4924, 15.0877,
3.2749

276.7643,
324.5990, 217.4264

 5.7914, 8.8810,
1.2367

329.9757,

 2.7581, 4.6636,

384.6613, 265.2068

0.0090

389.6043,
451.7102, 319.5196

■ 1.0272, 2.0513,
0.0000

■ 0.0000, 0.6370,
0.0000

■ 71.8006, 89.4162,
44.4851

■ 71.8006, 89.4162,
44.4851

■ 67.3665, 87.3522,
34.2546

■ 76.8161, 91.7276,
57.1056

■ 63.4825, 85.5228,
26.2591

■ 82.4403, 94.2976,
72.2505

■ 60.1150, 83.9145,
20.3313

■ 88.6995, 97.1368,
90.0485

■ 57.2254, 82.5116,
16.2787

95.0500, 100.0000,
108.9000

■ 54.7684, 81.2957,
13.8727

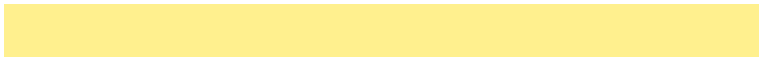
■ 52.6766, 80.2396,
12.7690

■ 52.5215, 80.1609,
12.7044

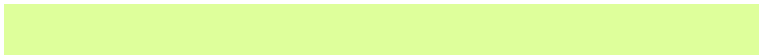
Harmonies

Analogous

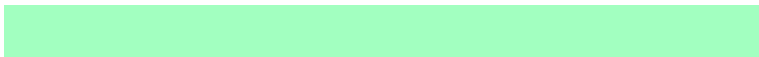
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6375, 89.4162, 38.2938



71.8006, 89.4162, 44.4851



63.3524, 89.4162, 63.9606

Triad

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



71.8006, 89.4162, 44.4851



72.3444, 89.4162, 182.5986



115.2684, 89.4162, 96.3589

Complementary

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



71.8006, 89.4162, 44.4851



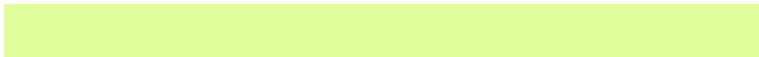
50.5115, 41.3554, 99.9279

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.



111.0601, 89.4162, 140.7335



71.8006, 89.4162, 44.4851



85.3383, 89.4162, 198.1664

Square

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



71.8006, 89.4162, 44.4851



63.6409, 89.4162, 142.9674



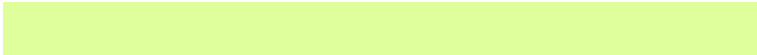
99.6974, 89.4162, 181.0766



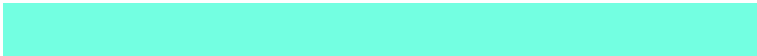
110.6418, 89.4162, 62.6560

Rectangle

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



71.8006, 89.4162, 44.4851



60.8187, 89.4162, 85.3227



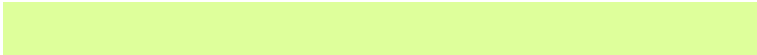
99.6974, 89.4162, 181.0766



114.8360, 89.4162, 110.4773

Sweetspot

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



71.8009, 89.4163, 44.4864



86.8908, 96.3184, 84.8174



64.8567, 59.0269, 38.9866



18.4204, 20.5355, 17.6450



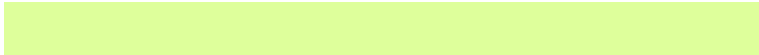
0.0000, 0.0000, 0.0000



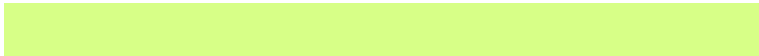
20.3446, 21.4041, 23.3091

Same Dimension

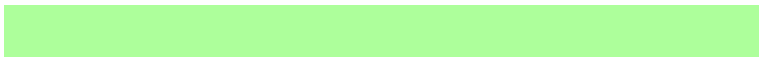
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.8009, 89.4163, 44.4864



68.3000, 87.7886, 36.3222



58.9845, 82.8092, 43.8866



18.9445, 20.7728, 19.1554



27.6079, 41.9705, 6.6460



2.8036, 4.1460, 0.6525

Inverse Universe

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



50.5115, 41.3554, 99.9279



44.3472, 33.6693, 98.7692



64.5858, 48.6109, 100.5865



17.5676, 17.6688, 22.7345



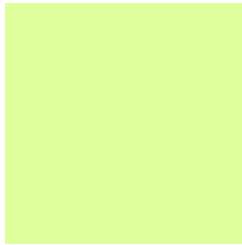
11.4887, 4.8331, 49.7619



1.2284, 0.5272, 4.8503

Previews

White Background



This preview shows how the XYZ color 71.8006, 89.4162, 44.4851 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 71.8006, 89.4162, 44.4851 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

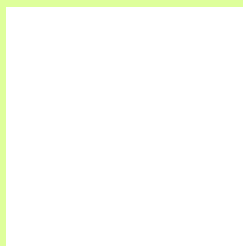
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.8006, 89.4162, 44.4851

Background



This preview shows how black text looks on a background with the XYZ color 71.8006, 89.4162, 44.4851.

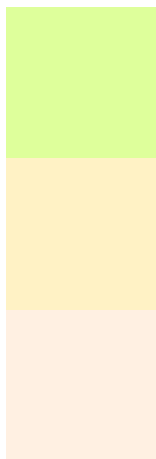


This preview shows how white text looks on a background with the XYZ color 71.8006, 89.4162,

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

71.8006, 89.4162, 44.4851

Protanopia

83.0702, 88.7955, 65.5843

Deuteranopia

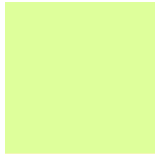
86.1276, 89.0712, 84.6046



Tritanopia

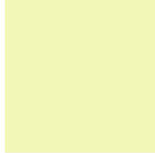
85.0620, 88.9014, 107.2842

Trichromacy



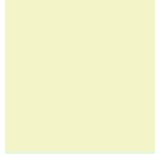
Original Color

71.8006, 89.4162, 44.4851



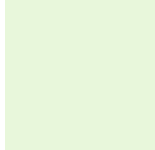
Protanomaly

78.6664, 88.9536, 57.2796



Deuteranomaly

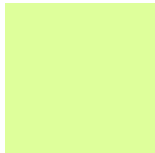
80.0399, 88.5296, 67.5130



Tritanomaly

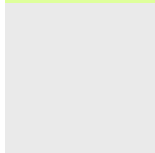
79.3257, 88.7918, 79.9755

Monochromacy



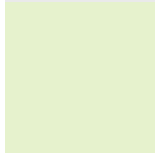
Original Color

71.8006, 89.4162, 44.4851



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.4047, 84.7350, 70.1389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8006, 89.4162, 44.4851 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(222, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 155)  
}
```

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(222, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 71.8006, 89.4162, 44.4851 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(222, 255, 155) }
```


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

```
.border{ border-color:rgb(222, 255, 155) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8006, 89.4162, 44.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 155) }
```

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

```
.background{ background-color: rgb(222,  
255, 155) }
```

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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