

Converting Colors

XYZ(70.9171, 88.7395, 54.4402)

Have a look what the booklet for
XYZ(70.9171, 88.7395, 54.4402)
contains.

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Color

**XYZ(71.0370, 88.8007,
54.4705)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFB0
RGB	213, 255, 176
RGB Percent	84%, 100%, 69%
CMY	0.1647, 0.0000, 0.3098
CMYK	0.16, 0.00, 0.31, 0.00
HSL	92°, 100%, 85%
HSV	92°, 31%, 100%
XYZ	71.0370, 88.8007, 54.4705
YIQ	233.4360, 0.3270, -33.4730

Conversions

Conversions Part 2

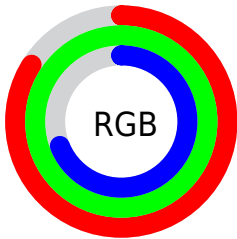
Format	Color
RYB	176, 255, 218
Decimal	14024624
CIELab	95.50, -26.84, 33.47
CIELCh	95, 42.900, 128.727
Yxy	88.8007, 0.3315, 0.4144
Android (android.graphics.Color)	4292214704 (0xFFD5FFB0)
YUV	233.4360, -28.3159, -17.9224
Hunter-Lab	94.2341, -30.3501, 31.6923

Details

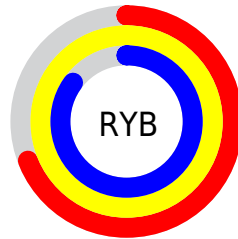
The XYZ color **71.0370, 88.8007, 54.4705** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.4899, 53.1774, 101.5784**, and the grayscale version is **77.9868, 82.0482, 89.3505**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **37.6739, 48.9863, 26.2086** is the 20% darker color. If you saturate the color by 10%, you get **64.9766, 85.9411, 42.2304**, and if you desaturate by 10%, it is **77.9011, 92.0198, 69.2246**.

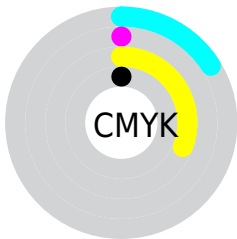
Distribution



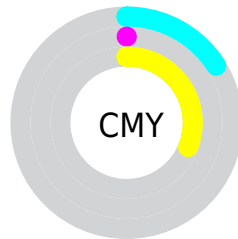
- Red (84%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0370, 88.8007, 54.4705 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 71.0370, 88.8007, 54.4705 by changing the saturation by 10% instead.


 71.0370, 88.8007,
54.4705

 71.0370, 88.8007,
54.4705

453.3926,
524.1218, 421.1269

 52.6550, 66.9864,
38.5822


 119.7046,
145.6714, 98.2281

 37.7538, 49.0736,
26.1295


150.7210,
181.4965, 126.9344

 25.9680, 34.6778,
16.6939

186.6796,
222.7608, 160.7506

 16.9323, 23.4148,
9.8569

227.9457,
269.8485, 200.0951

 10.2812, 14.9001,
5.1998

274.8847,
323.1440, 245.3864

 5.6495, 8.7493,
2.3042

327.8619,

 2.6718, 4.5780,

383.0318, 297.0431

0.7336

387.2428,
449.8963, 355.4837

0.9827, 2.0019,
0.0000

0.0000, 0.6086,
0.0000

71.0370, 88.8007,
54.4705

71.0370, 88.8007,
54.4705

64.9766, 85.9411,
42.2304

77.9011, 92.0198,
69.2246

59.6838, 83.4256,
32.3600

85.5997, 95.6116,
86.6182

55.1218, 81.2384,
24.7061

94.1636, 99.5892,
106.7732

51.2489, 79.3620,
19.0963

95.0500, 100.0000,
108.9000

■ 48.0188, 77.7768,
15.3326

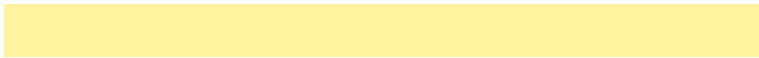
■ 45.3769, 76.4598,
13.1774

■ 43.4266, 75.4723,
12.2788

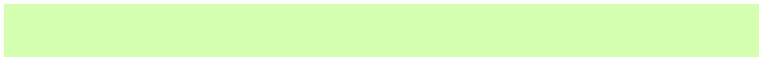
Harmonies

Analogous

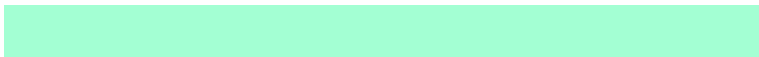
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0193, 88.8007, 45.7816



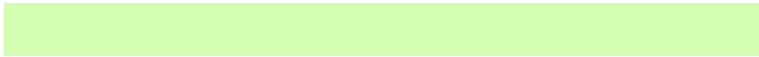
71.0370, 88.8007, 54.4705



65.0433, 88.8007, 75.0532

Triad

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



71.0370, 88.8007, 54.4705



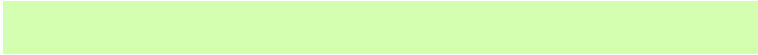
76.4645, 88.8007, 170.4242



108.7725, 88.8007, 87.1963

Complementary

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



71.0370, 88.8007, 54.4705



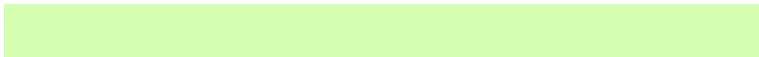
62.4899, 53.1774, 101.5784

Split Complementary

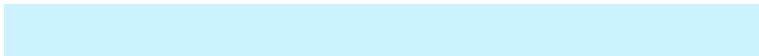
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.2655, 88.8007, 122.1277



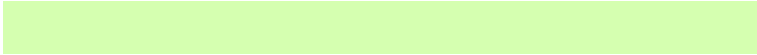
71.0370, 88.8007, 54.4705



87.8784, 88.8007, 175.8228

Square

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



71.0370, 88.8007, 54.4705



67.9687, 88.8007, 143.1028



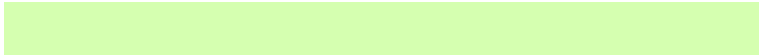
99.3471, 88.8007, 156.4912



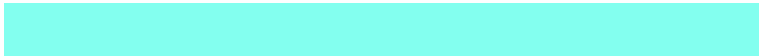
103.2921, 88.8007, 61.5827

Rectangle

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



71.0370, 88.8007, 54.4705



63.7620, 88.8007, 95.2576



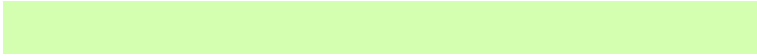
99.3471, 88.8007, 156.4912



109.0761, 88.8007, 98.1344

Sweetspot

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



71.0374, 88.8009, 54.4718



87.2252, 96.3679, 90.3848



73.8427, 73.9266, 51.4529



18.4133, 20.5074, 18.7512



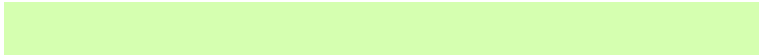
0.0000, 0.0000, 0.0000



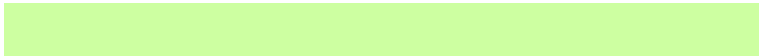
20.3446, 21.4041, 23.3091

Same Dimension

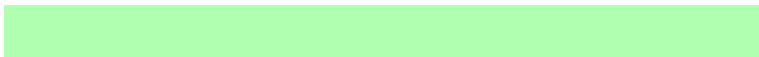
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0374, 88.8009, 54.4718



67.2944, 87.0370, 46.8096



61.6327, 83.9375, 54.7151



18.5804, 20.5851, 19.1384



22.8602, 39.5229, 6.4238



2.3506, 3.9125, 0.6313

Inverse Universe

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



62.4899, 53.1774, 101.5784



57.5439, 46.4087, 100.5326



74.6045, 59.4471, 101.0427



17.9252, 17.8531, 22.7512



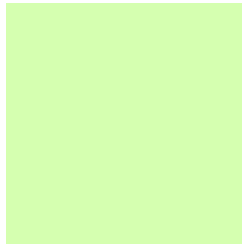
14.8747, 6.5787, 49.9204



1.5745, 0.7056, 4.8665

Previews

White Background



This preview shows how the XYZ color 71.0370, 88.8007, 54.4705 looks on a white background.

Color Contrast Check

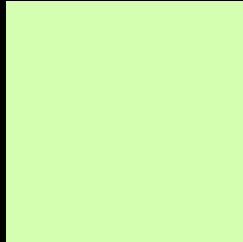
Large Text (above 18pt) WCAG AA × Fail

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 71.0370, 88.8007, 54.4705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

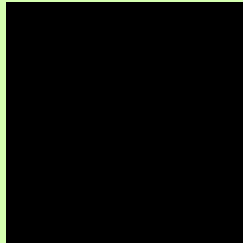
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

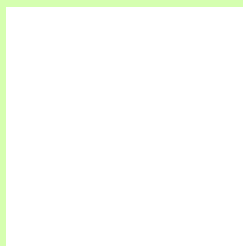
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0370, 88.8007, 54.4705

Background



This preview shows how black text looks on a background with the XYZ color 71.0370, 88.8007, 54.4705.

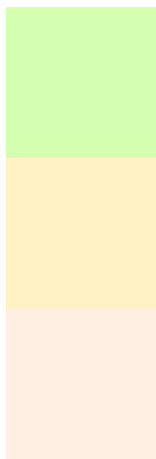


This preview shows how white text looks on a background with the XYZ color 71.0370, 88.8007,

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

71.0370, 88.8007, 54.4705

Protanopia

82.5456, 88.1107, 64.2862

Deuteranopia

85.8340, 88.4840, 84.5067



Tritanopia

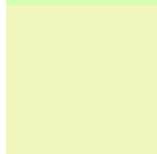
83.3793, 88.4770, 107.2909

Trichromacy



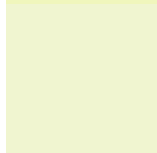
Original Color

71.0370, 88.8007, 54.4705



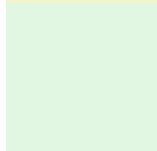
Protanomaly

77.9680, 88.0676, 60.4664



Deuteranomaly

79.9728, 88.3841, 72.5193



Tritanomaly

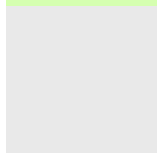
78.0396, 88.0201, 84.8280

Monochromacy



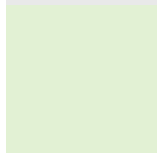
Original Color

71.0370, 88.8007, 54.4705



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.7030, 83.8328, 74.5314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0370, 88.8007, 54.4705 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(213, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 176)  
}
```

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(213, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 71.0370, 88.8007, 54.4705 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(213, 255, 176) }
```


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

```
.border{ border-color:rgb(213, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0370, 88.8007, 54.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 176) }
```

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

```
.background{ background-color: rgb(213,  
255, 176) }
```

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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