

Converting Colors

XYZ(76.9028, 100.0000,
58.4674)

Have a look what the booklet for
XYZ(76.9028, 100.0000, 58.4674)
contains.

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Color

**XYZ(71.4388, 88.9614,
56.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFB4
RGB	213, 255, 180
RGB Percent	84%, 100%, 71%
CMY	0.1647, 0.0000, 0.2941
CMYK	0.16, 0.00, 0.29, 0.00
HSL	94°, 100%, 85%
HSV	94°, 29%, 100%
XYZ	71.4388, 88.9614, 56.5861
YIQ	233.8920, -0.9570, -32.2290

Conversions

Conversions Part 2

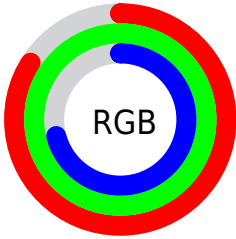
Format	Color
RYB	180, 255, 222
Decimal	14024628
CIELab	95.56, -26.27, 31.55
CIELCh	96, 41.061, 129.783
Yxy	88.9614, 0.3292, 0.4100
Android (android.graphics.Color)	4292214708 (0xFFD5FFB4)
YUV	233.8920, -26.5688, -18.3223
Hunter-Lab	94.3194, -29.8605, 30.4530

Details

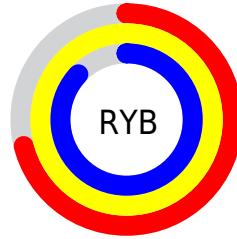
The XYZ color **71.4388, 88.9614, 56.5861** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4965, 55.3934, 101.9004**, and the grayscale version is **78.3197, 82.3985, 89.7319**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **37.9295, 49.0886, 27.5546** is the 20% darker color. If you saturate the color by 10%, you get **65.1138, 85.9738, 43.9545**, and if you desaturate by 10%, it is **78.6075, 92.3287, 71.7543**.

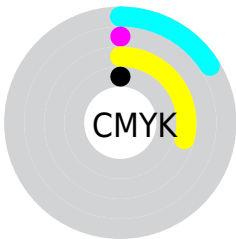
Distribution



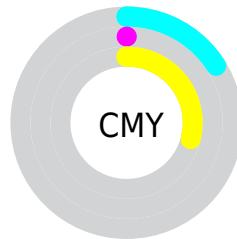
- Red (84%)
- Green (100%)
- Blue (71%)



- 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 71.4388, 88.9614, 56.5861 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 71.4388, 88.9614, 56.5861 by changing the saturation by 10% instead.


 71.4388, 88.9614,
56.5861

 71.4388, 88.9614,
56.5861


454.7739,
524.6465, 429.3468

 52.9842, 67.1196,
40.2659


 120.2734,
145.8949, 101.3553

 38.0176, 49.1818,
27.4305


151.3842,
181.7553, 130.6414

 26.1736, 34.7637,
17.6616


187.4443,
223.0574, 165.0866

 17.0869, 23.4809,
10.5404

228.8193,
270.1856, 205.1093

 10.3922, 14.9490,
5.6484

275.8744,
323.5241, 251.1281

 5.7240, 8.7836,
2.5672

328.9749,

 2.7170, 4.6003,

383.4576, 303.5616

0.8754

388.4863,
450.3702, 362.8283

■ 1.0060, 2.0147,
0.0000

■ 0.0000, 0.6160,
0.0000

■ 71.4388, 88.9614,
56.5861

■ 71.4388, 88.9614,
56.5861

■ 65.1138, 85.9738,
43.9545

■ 78.6075, 92.3287,
71.7543

■ 59.5954, 83.3499,
33.7169

■ 86.6517, 96.0894,
89.5832

■ 54.8457, 81.0733,
25.7226

95.0500, 100.0000,
108.9000

■ 50.8223, 79.1260,
19.8024

■ 47.4780, 77.4879,
15.7628

■ 44.7579, 76.1357,
13.3737

■ 42.5833, 75.0366,
12.2823

■ 42.4673, 74.9777,
12.2339

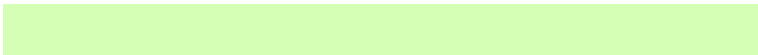
Harmonies

Analogous

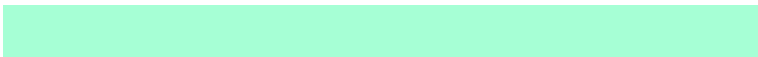
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9279, 88.9614, 47.6914



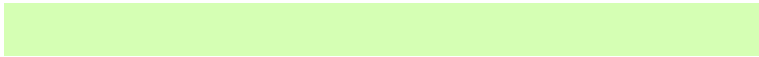
71.4388, 88.9614, 56.5861



65.8148, 88.9614, 76.9695

Triad

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



71.4388, 88.9614, 56.5861



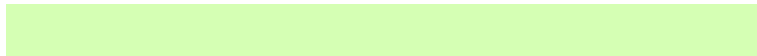
77.2887, 88.9614, 167.5138



107.7466, 88.9614, 86.7011

Complementary

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



71.4388, 88.9614, 56.5861



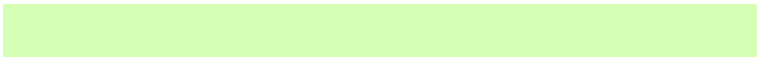
64.4965, 55.3934, 101.9004

Split Complementary

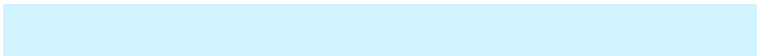
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.5528, 88.9614, 119.9210



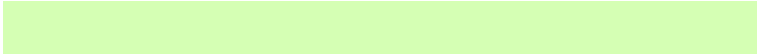
71.4388, 88.9614, 56.5861



88.2892, 88.9614, 171.7556

Square

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



71.4388, 88.9614, 56.5861



68.9784, 88.9614, 142.2262



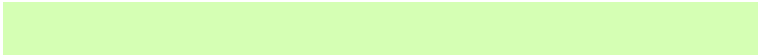
99.1860, 88.9614, 152.7817



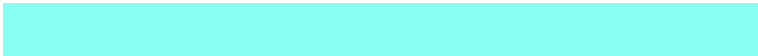
102.3163, 88.9614, 62.3454

Rectangle

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



71.4388, 88.9614, 56.5861



64.6922, 88.9614, 96.6292



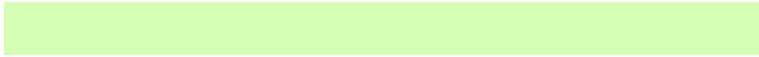
99.1860, 88.9614, 152.7817



108.1170, 88.9614, 97.0989

Sweetspot

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



71.4393, 88.9616, 56.5874



87.0013, 96.2524, 90.3743



75.4013, 76.4010, 53.9542



18.3583, 20.4790, 18.7486



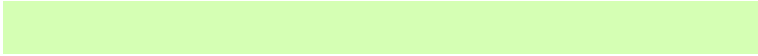
0.0000, 0.0000, 0.0000



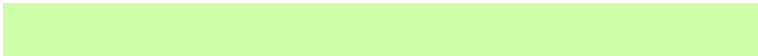
20.3446, 21.4041, 23.3091

Same Dimension

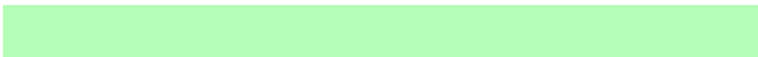
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4393, 88.9616, 56.5874



67.8022, 87.2459, 49.2229



63.2088, 84.6739, 58.2237



18.5300, 20.5591, 19.1360



22.3548, 39.2624, 6.4002



2.2996, 3.8862, 0.6289

Inverse Universe

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



64.4965, 55.3934, 101.9004



59.8802, 48.9596, 100.9019



75.0138, 60.8844, 99.2718



17.9762, 17.8795, 22.7536



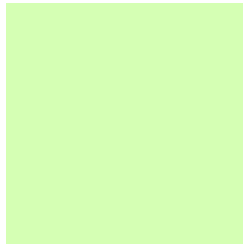
15.5071, 6.9047, 49.9500



1.6355, 0.7370, 4.8693

Previews

White Background



This preview shows how the XYZ color 71.4388, 88.9614, 56.5861 looks on a white background.

Color Contrast Check

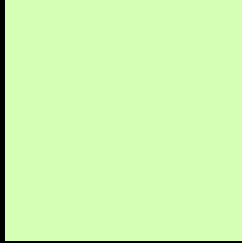
Large Text (above 18pt) WCAG AA × Fail

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 71.4388, 88.9614, 56.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

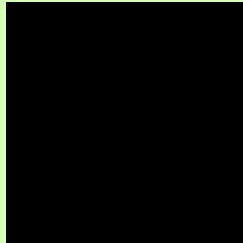
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

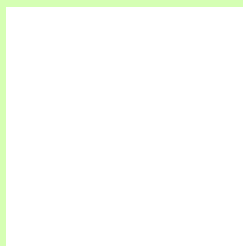
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4388, 88.9614, 56.5861

Background



This preview shows how black text looks on a background with the XYZ color 71.4388, 88.9614, 56.5861.

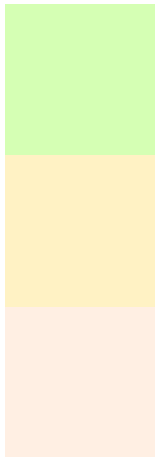


This preview shows how white text looks on a background with the XYZ color 71.4388, 88.9614,

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

71.4388, 88.9614, 56.5861

Protanopia

82.9559, 88.7498, 64.9827

Deuteranopia

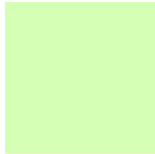
85.9716, 88.5391, 85.2316



Tritanopia

83.3793, 88.4770, 107.2909

Trichromacy



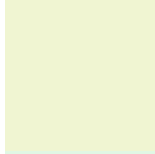
Original Color

71.4388, 88.9614, 56.5861



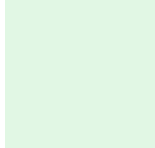
Protanomaly

78.4902, 88.7645, 61.7116



Deuteranomaly

80.2204, 88.4832, 73.8237



Tritanomaly

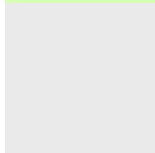
78.3157, 88.1305, 86.2820

Monochromacy



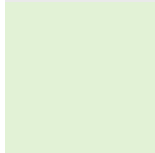
Original Color

71.4388, 88.9614, 56.5861



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.2538, 84.5281, 75.9676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4388, 88.9614, 56.5861 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 71.4388, 88.9614, 56.5861 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, 180) }
```


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

```
.border{ border-color:rgb(213, 255, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4388, 88.9614, 56.5861 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, 180) }
```

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

```
.background{ background-color: rgb(213,  
255, 180) }
```

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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