

Converting Colors

XYZ(71.1067, 86.8944, 57.9461)

Have a look what the booklet for
XYZ(71.1067, 86.8944, 57.9461)
contains.

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Color

**XYZ(71.0688, 86.8603,
57.8197)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FBB7
RGB	215, 251, 183
RGB Percent	84%, 98%, 72%
CMY	0.1569, 0.0157, 0.2823
CMYK	0.14, 0.00, 0.27, 0.02
HSL	92°, 89%, 85%
HSV	92°, 27%, 98%
XYZ	71.0688, 86.8603, 57.8197
YIQ	232.4840, 0.3720, -28.7800

Conversions

Conversions Part 2

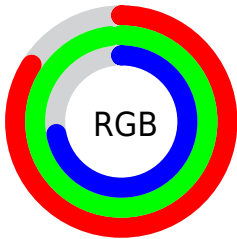
Format	Color
R _Y B	183, 251, 219
Decimal	14154679
CIE Lab	94.68, -23.24, 28.87
CIE LCh	95, 37.063, 128.841
Yxy	86.8603, 0.3294, 0.4026
Android (android.graphics.Color)	4292344759 (0xFFD7FBB7)
YUV	232.4840, -24.3956, -15.3335
Hunter-Lab	93.1989, -26.9829, 28.4563

Details

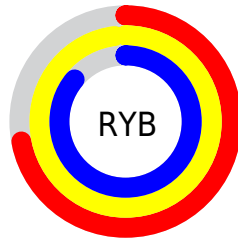
The XYZ color **71.0688, 86.8603, 57.8197** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5629, 55.8944, 98.7100**, and the grayscale version is **77.2435, 81.2662, 88.4989**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **37.8183, 47.6689, 28.3269** is the 20% darker color. If you saturate the color by 10%, you get **64.9411, 83.9794, 45.0903**, and if you desaturate by 10%, it is **77.9839, 90.0985, 73.0214**.

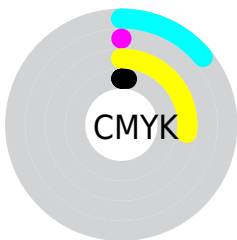
Distribution



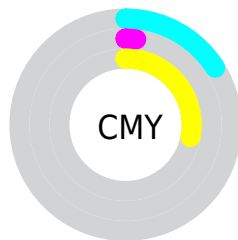
- Red (84%)
- Green (98%)
- Blue (72%)



- Red (72%)
- Yellow (98%)
- Blue (86%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (2%)





- Cyan (16%)
- Magenta (2%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0688, 86.8603, 57.8197 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 71.0688, 86.8603, 57.8197 by changing the saturation by 10% instead.


 71.0688, 86.8603,
57.8197

 71.0688, 86.8603,
57.8197


453.5020,
517.7637, 434.0932

 52.6811, 65.3796,
41.2500

 119.7497,
142.9694, 103.1724

 37.7747, 47.7690,
28.1933


150.7735,
178.3666, 132.7925

 25.9843, 33.6440,
18.2311


186.7401,
219.1714, 167.5998

 16.9445, 22.6202,
10.9449

228.0149,
265.7683, 208.0129

 10.2900, 14.3133,
5.9161

274.9631,
318.5415, 254.4502

 5.6554, 8.3389,
2.7262

327.9501,

 2.6753, 4.3126,

377.8756, 307.3303

0.9566

387.3413,
444.1548, 367.0718

■ 0.9845, 1.8499,
0.0000

■ 0.0000, 0.5180,
0.0000

■ 71.0688, 86.8603,
57.8197

■ 71.0688, 86.8603,
57.8197

■ 64.9411, 83.9794,
45.0903

■ 77.9839, 90.0985,
73.0214

■ 59.5620, 81.4309,
34.6968

■ 85.7100, 93.6957,
90.8109

■ 54.8987, 79.2035,
26.4983

■ 93.7410, 97.4532,
108.4774

■ 50.9132, 77.2812,
20.3362

■ 93.7889, 97.4779,
108.4796

■ 47.5630, 75.6459,
16.0308

■ 44.7993, 74.2771,
13.3709

■ 42.5613, 73.1495,
12.0856

■ 41.9851, 72.8571,
11.8500

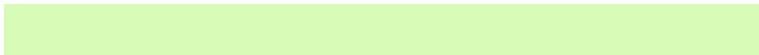
Harmonies

Analogous

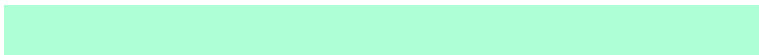
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6359, 86.8603, 49.9056



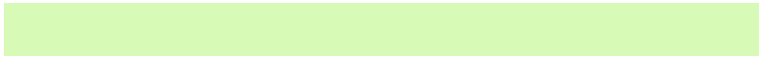
71.0688, 86.8603, 57.8197



65.8823, 86.8603, 76.0469

Triad

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



71.0688, 86.8603, 57.8197



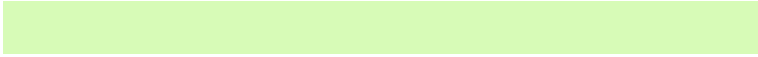
75.8056, 86.8603, 155.8387



103.0682, 86.8603, 86.3567

Complementary

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



71.0688, 86.8603, 57.8197



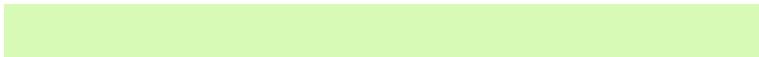
63.5629, 55.8944, 98.7100

Split Complementary

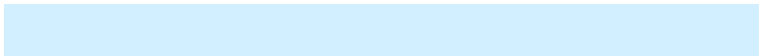
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.8342, 86.8603, 115.8943



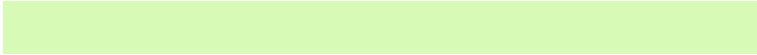
71.0688, 86.8603, 57.8197



85.5509, 86.8603, 160.1472

Square

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



71.0688, 86.8603, 57.8197



68.4595, 86.8603, 133.5181



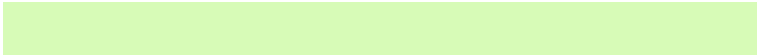
95.2234, 86.8603, 144.3190



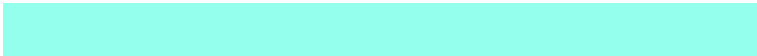
98.4705, 86.8603, 64.0539

Rectangle

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



71.0688, 86.8603, 57.8197



64.7758, 86.8603, 93.4660



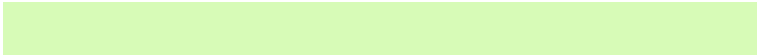
95.2234, 86.8603, 144.3190



103.3289, 86.8603, 95.6950

Sweetspot

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



71.0710, 86.8641, 57.8216



88.0750, 96.7638, 92.3298



73.4402, 74.1433, 55.2414



18.5843, 20.5871, 19.1385



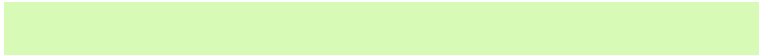
0.0000, 0.0000, 0.0000



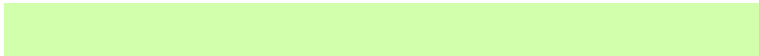
20.3446, 21.4041, 23.3091

Same Dimension

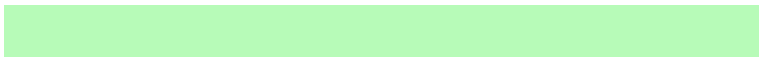
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0710, 86.8641, 57.8216



69.8021, 88.2218, 51.8027



62.6939, 82.5318, 58.0479



17.7940, 19.7096, 18.3289



22.2330, 38.3798, 6.2362



2.1804, 3.6171, 0.5833

Inverse Universe

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



63.5629, 55.8944, 98.7100



60.7275, 50.7974, 101.2119



73.9549, 61.2723, 98.2663



17.1604, 17.0953, 21.7806



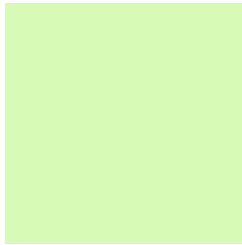
14.3981, 6.3652, 48.4433



1.4559, 0.6526, 4.4924

Previews

White Background



This preview shows how the XYZ color 71.0688, 86.8603, 57.8197 looks on a white background.

Color Contrast Check

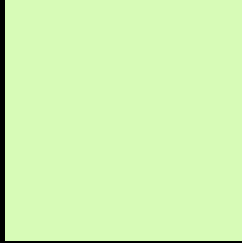
Large Text (above 18pt) WCAG AA × Fail

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 71.0688, 86.8603, 57.8197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

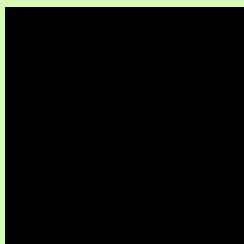
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

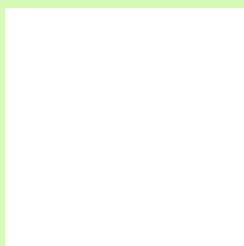
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.0688, 86.8603, 57.8197

Background



This preview shows how black text looks on a background with the XYZ color 71.0688, 86.8603, 57.8197.

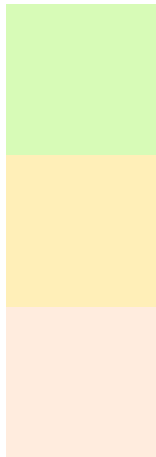


This preview shows how white text looks on a background with the XYZ color 71.0688, 86.8603,

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

71.0688, 86.8603, 57.8197

Protanopia

80.7582, 86.4537, 57.7782

Deuteranopia

84.4203, 86.5248, 81.3588



Tritanopia

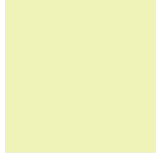
82.1384, 86.9536, 107.0623

Trichromacy



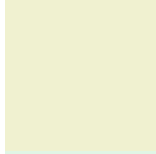
Original Color

71.0688, 86.8603, 57.8197



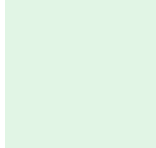
Protanomaly

76.6375, 86.0871, 57.9247



Deuteranomaly

78.7756, 85.9899, 72.1203



Tritanomaly

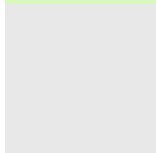
77.8466, 86.9695, 86.8126

Monochromacy



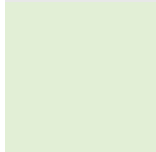
Original Color

71.0688, 86.8603, 57.8197



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3681, 82.7568, 75.6724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0688, 86.8603, 57.8197 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(215, 251, 183)` looks like.

```
.text, #text, p{  
    color:rgb(215, 251, 183)  
}
```

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(215, 251, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 251, 183) }
```

Border

The CSS property to change the border of an element to XYZ 71.0688, 86.8603, 57.8197 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(215, 251, 183) }
```


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

```
.border{ border-color:rgb(215, 251, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 251, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 251, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 251, 183);  
box-shadow:4px 4px 4px 4px rgb(215, 251,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0688, 86.8603, 57.8197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 251, 183) }
```

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

```
.background{ background-color: rgb(215,  
251, 183) }
```

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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