

Converting Colors

XYZ(69.8999, 87.8356, 71.5379)

Have a look what the booklet for
XYZ(69.8999, 87.8356, 71.5379)
contains.

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Color

**XYZ(69.9265, 87.8465,
71.6631)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFCE
RGB	197, 255, 206
RGB Percent	77%, 100%, 81%
CMY	0.2274, 0.0000, 0.1921
CMYK	0.23, 0.00, 0.19, 0.00
HSL	129°, 100%, 89%
HSV	129°, 23%, 100%
XYZ	69.9265, 87.8465, 71.6631
YIQ	232.0720, -18.8390, -27.5350

Conversions

Conversions Part 2

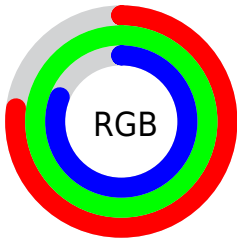
Format	Color
RYB	197, 247, 255
Decimal	12976078
CIELab	95.10, -27.49, 17.57
CIELCh	95, 32.626, 147.406
Yxy	87.8465, 0.3048, 0.3829
Android (android.graphics.Color)	4291166158 (0xFFC5FFCE)
YUV	232.0720, -12.8535, -30.7581
Hunter-Lab	93.7265, -30.8478, 20.2755

Details

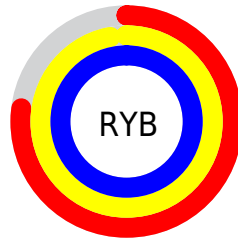
The XYZ color **69.9265, 87.8465, 71.6631** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.8410, 67.8469, 96.1813**, and the grayscale version is **76.8585, 80.8612, 88.0578**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **37.0169, 48.4059, 37.0980** is the 20% darker color. If you saturate the color by 10%, you get **61.3640, 83.7143, 58.5246**, and if you desaturate by 10%, it is **79.9785, 92.7051, 86.7465**.

Distribution



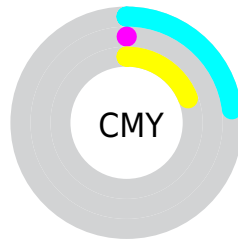
- Red (77%)
- Green (100%)
- Blue (81%)



- Red (77%)
- Yellow (97%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9265, 87.8465, 71.6631 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 69.9265, 87.8465, 71.6631 by changing the saturation by 10% instead.

69.9265, 87.8465,
71.6631

69.9265, 87.8465,
71.6631

449.5623,
521.0004, 485.3141

51.7460, 66.1960,
52.3984

118.1308,
144.3434, 123.2807

37.0261, 48.4315,
36.9383

148.8853,
179.9586, 156.4706

25.4015, 34.1687,
24.8643

184.5618,
220.9974, 195.1394

16.5067, 23.0232,
15.7579

225.5257,
267.8443, 239.7054

9.9766, 14.6107,
9.2005

272.1423,
320.8837, 290.5874

5.4456, 8.5466,
4.7736

324.7771,

2.5484, 4.4467,

380.4999, 348.2038

2.0586

383.7953,
447.0773, 412.9732

■ 0.9197, 1.9264,
0.5910

■ 0.0000, 0.5642,
0.0000

■ 69.9265, 87.8465,
71.6631

■ 69.9265, 87.8465,
71.6631

■ 61.3640, 83.7143,
58.5246

■ 79.9785, 92.7051,
86.7465

■ 54.2177, 80.2725,
47.2478

■ 91.5845, 98.3217,
103.8451

■ 48.4111, 77.4833,
37.7497

■ 95.0500, 100.0000,
108.9000

■ 43.8594, 75.3049,
29.9394

■ 40.4682, 73.6909,
23.7178

■ 38.1294, 72.5877,
18.9755

■ 36.7134, 71.9313,
15.5892

■ 36.1358, 71.6703,
13.8988

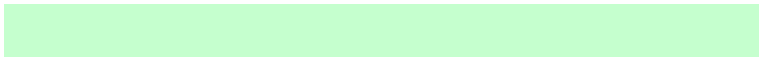
Harmonies

Analogous

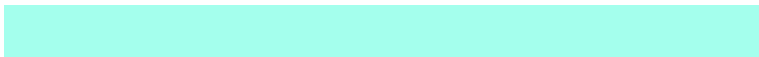
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8837, 87.8465, 58.4897



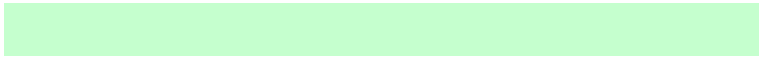
69.9265, 87.8465, 71.6631



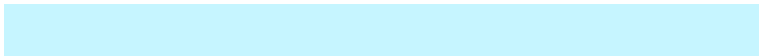
67.5807, 87.8465, 93.4551

Triad

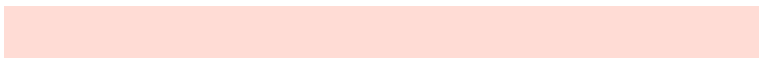
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9265, 87.8465, 71.6631



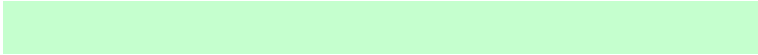
82.7256, 87.8465, 153.2557



99.5812, 87.8465, 74.8699

Complementary

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



69.9265, 87.8465, 71.6631



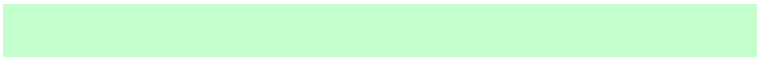
77.8410, 67.8469, 96.1813

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.



101.7310, 87.8465, 97.8788



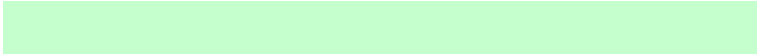
69.9265, 87.8465, 71.6631



91.6000, 87.8465, 145.9327

Square

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



69.9265, 87.8465, 71.6631



74.6355, 87.8465, 143.0211



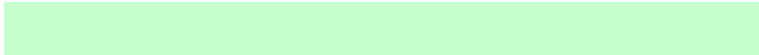
98.7152, 87.8465, 124.4682



93.0302, 87.8465, 60.0976

Rectangle

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



69.9265, 87.8465, 71.6631



68.2465, 87.8465, 111.0288



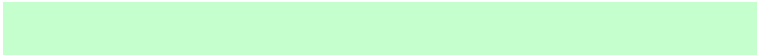
98.7152, 87.8465, 124.4682



100.8619, 87.8465, 81.7610

Sweetspot

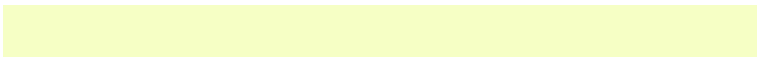
The Sweet Spot groups the original color and five complimentary colors.



69.9272, 87.8468, 71.6645



86.4515, 95.8369, 96.3178



83.9496, 95.1984, 66.7747



18.3534, 20.4400, 20.3939



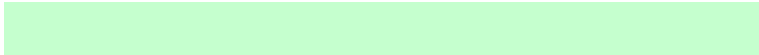
0.0000, 0.0000, 0.0000



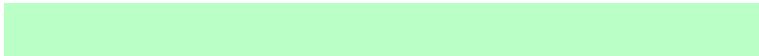
20.3446, 21.4041, 23.3091

Same Dimension

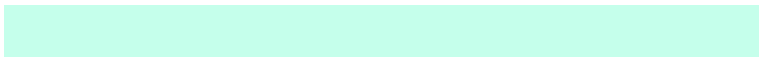
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9272, 87.8468, 71.6645



66.1053, 86.0015, 65.8399



73.7385, 89.3714, 91.7346



17.8865, 20.2141, 19.7051



18.9156, 37.4629, 7.4411



1.8735, 3.6603, 0.8919

Inverse Universe

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



77.8410, 67.8469, 96.1813



75.2076, 62.9919, 94.0339



73.7702, 66.2186, 74.7444



18.6644, 18.2491, 22.1158



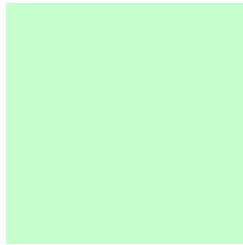
28.0322, 13.7022, 35.1497



2.7606, 1.3466, 3.5868

Previews

White Background



This preview shows how the XYZ color 69.9265, 87.8465, 71.6631 looks on a white background.

Color Contrast Check

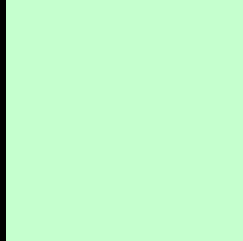
Large Text (above 18pt) WCAG AA × Fail

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 69.9265, 87.8465, 71.6631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

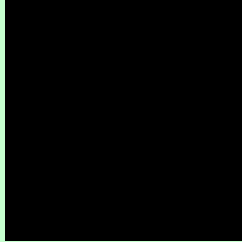
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

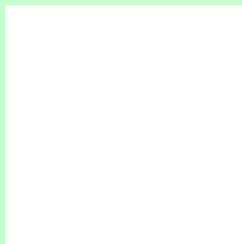
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9265, 87.8465, 71.6631

Background



This preview shows how black text looks on a background with the XYZ color 69.9265, 87.8465, 71.6631.



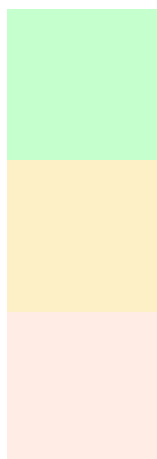
This preview shows how white text looks on a background with the XYZ color 69.9265, 87.8465,

71.6631.

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

69.9265, 87.8465, 71.6631

Protanopia

82.2262, 87.4682, 65.9754

Deuteranopia

85.6670, 87.4855, 86.5000



Tritanopia

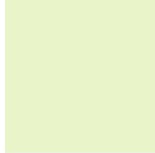
80.8321, 87.6093, 107.2577

Trichromacy



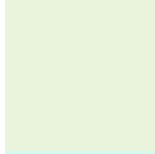
Original Color

69.9265, 87.8465, 71.6631



Protanomaly

76.7993, 86.8455, 67.9734



Deuteranomaly

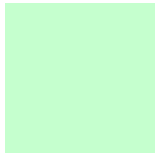
79.3335, 87.4143, 81.0979



Tritanomaly

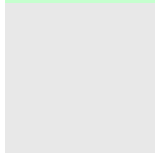
76.5850, 87.5454, 92.9822

Monochromacy



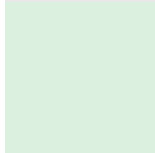
Original Color

69.9265, 87.8465, 71.6631



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6928, 82.7080, 81.8922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9265, 87.8465, 71.6631 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(197, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 206)  
}
```

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(197, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 69.9265, 87.8465, 71.6631 is called "border". The border property can be set on classes, ids or directly on the HTML element.

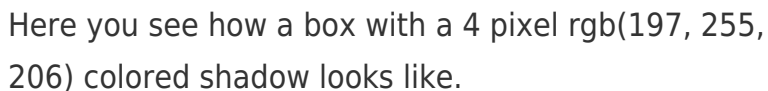
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 255, 206) }
```


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

```
.border{ border-color:rgb(197, 255, 206) }
```

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



Here you see how a box with a 4 pixel rgb(197, 255, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9265, 87.8465, 71.6631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 206) }
```

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

```
.background{ background-color: rgb(197,  
255, 206) }
```

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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