

Converting Colors

XYZ(69.9304, 87.9796, 65.7402)

Have a look what the booklet for
XYZ(69.9304, 87.9796, 65.7402)
contains.

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Color

**XYZ(69.8112, 87.9230,
65.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFC4
RGB	201, 255, 196
RGB Percent	79%, 100%, 77%
CMY	0.2118, 0.0000, 0.2314
CMYK	0.21, 0.00, 0.23, 0.00
HSL	115°, 100%, 88%
HSV	115°, 23%, 100%
XYZ	69.8112, 87.9230, 65.5160
YIQ	232.1280, -13.2450, -29.7970

Conversions

Conversions Part 2

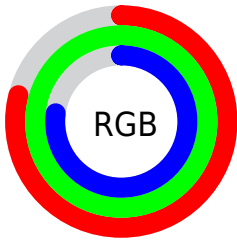
Format	Color
RYB	196, 255, 250
Decimal	13238212
CIELab	95.13, -27.88, 22.75
CIELCh	95, 35.983, 140.776
Yxy	87.9230, 0.3127, 0.3938
Android (android.graphics.Color)	4291428292 (0xFFC9FFC4)
YUV	232.1280, -17.8111, -27.2993
Hunter-Lab	93.7673, -31.1967, 24.2106

Details

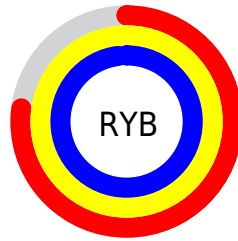
The XYZ color **69.8112, 87.9230, 65.5160** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.2152, 67.0251, 103.4752**, and the grayscale version is **76.9334, 80.9400, 88.1436**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **36.9306, 48.4522, 32.9969** is the 20% darker color. If you saturate the color by 10%, you get **61.3459, 83.8664, 51.2344**, and if you desaturate by 10%, it is **79.7243, 92.6691, 82.4430**.

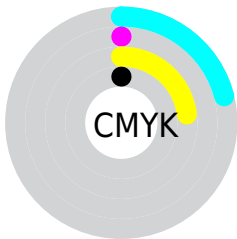
Distribution



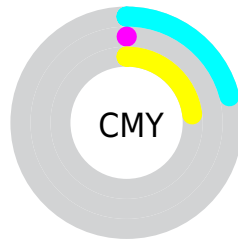
- Red (79%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (98%)



- Cyan (21%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8112, 87.9230, 65.5160 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 69.8112, 87.9230, 65.5160 by changing the saturation by 10% instead.

69.8112, 87.9230,
65.5160

69.8112, 87.9230,
65.5160

449.1636,
521.2510, 463.0008

51.6517, 66.2593,
47.4256

117.9672,
144.4500, 114.4118

36.9506, 48.4829,
33.0155

148.6944,
180.0820, 146.0542

25.3428, 34.2095,
21.8671

184.3415,
221.1389, 183.0511

16.4627, 23.0546,
13.5619

225.2739,
268.0052, 225.8209

9.9451, 14.6338,
7.6813

271.8570,
321.0651, 274.7823

5.4246, 8.5628,
3.8069

324.4561,

2.5357, 4.4571,

380.7032, 330.3537

1.5200

383.4365,
447.3037, 392.9537

■ 0.9133, 1.9324,
0.2328

■ 0.0000, 0.5678,
0.0000

■ 69.8112, 87.9230,
65.5160

■ 69.8112, 87.9230,
65.5160

■ 61.3459, 83.8664,
51.2344

■ 79.7243, 92.6691,
82.4430

■ 54.2589, 80.4661,
39.4608

■ 91.1469, 98.1336,
102.1353

■ 48.4775, 77.6880,
30.0516

95.0500, 100.0000,
108.9000

■ 43.9216, 75.4941,
22.8471

■ 40.5023, 73.8424,
17.6679

■ 38.1184, 72.6854,
14.3064

■ 36.6508, 71.9671,
12.5105

■ 36.0823, 71.6861,
11.9351

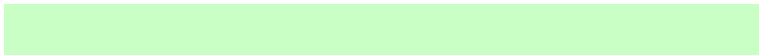
Harmonies

Analogous

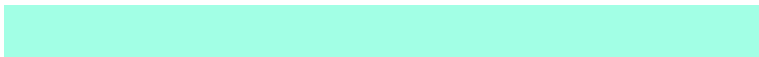
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0644, 87.9230, 53.6403



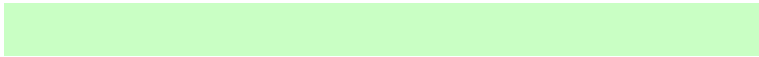
69.8112, 87.9230, 65.5160



66.3229, 87.9230, 87.3447

Triad

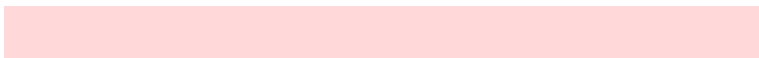
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8112, 87.9230, 65.5160



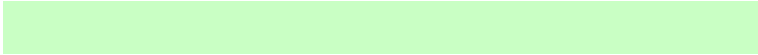
80.5854, 87.9230, 159.4512



102.4424, 87.9230, 77.8476

Complementary

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



69.8112, 87.9230, 65.5160



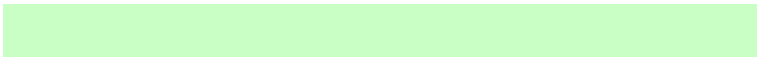
77.2152, 67.0251, 103.4752

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.



103.5702, 87.9230, 104.6423



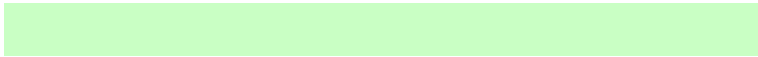
69.8112, 87.9230, 65.5160



90.4280, 87.9230, 155.5360

Square

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



69.8112, 87.9230, 65.5160



72.2156, 87.9230, 143.8902



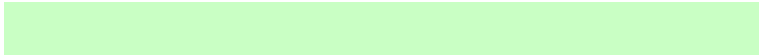
99.0232, 87.9230, 134.0515



96.0522, 87.9230, 59.7339

Rectangle

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



69.8112, 87.9230, 65.5160



66.3989, 87.9230, 106.1755



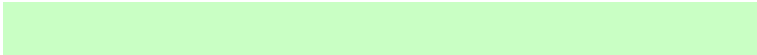
99.0232, 87.9230, 134.0515



103.4681, 87.9230, 85.9991

Sweetspot

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



69.8118, 87.9233, 65.5174



86.5507, 95.9352, 94.1914



85.1107, 93.0590, 65.7023



18.3762, 20.4627, 19.9034



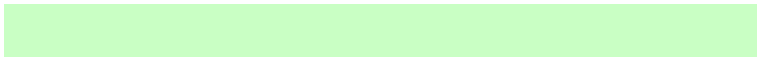
0.0000, 0.0000, 0.0000



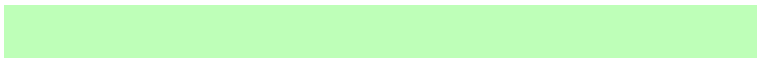
20.3446, 21.4041, 23.3091

Same Dimension

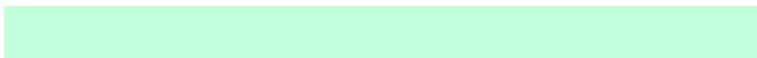
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8118, 87.9233, 65.5174



65.5177, 85.8660, 58.2485



71.3911, 88.4023, 80.7343



17.9142, 20.2417, 19.1072



18.9026, 37.4827, 6.2386



1.8869, 3.6735, 0.6096

Inverse Universe

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



77.2152, 67.0251, 103.4752



74.1567, 61.4656, 102.5633



75.4610, 66.5331, 84.7635



18.6319, 18.2175, 22.7843



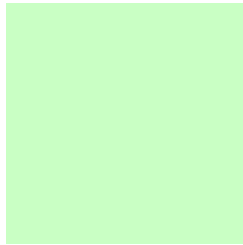
27.1209, 12.8918, 50.4935



2.6836, 1.2773, 4.9184

Previews

White Background



This preview shows how the XYZ color 69.8112, 87.9230, 65.5160 looks on a white background.

Color Contrast Check

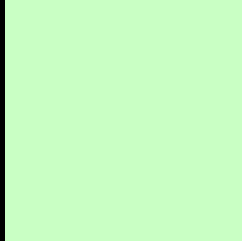
Large Text (above 18pt) WCAG AA × Fail

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 69.8112, 87.9230, 65.5160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

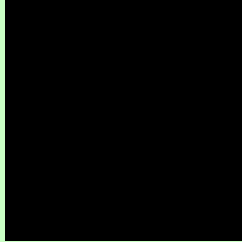
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

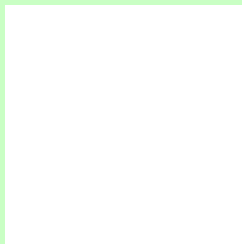
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8112, 87.9230, 65.5160

Background



This preview shows how black text looks on a background with the XYZ color 69.8112, 87.9230, 65.5160.



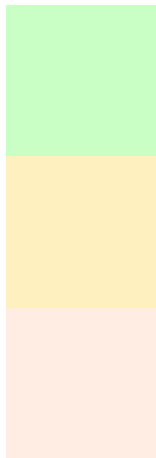
This preview shows how white text looks on a background with the XYZ color 69.8112, 87.9230,

65.5160.

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

69.8112, 87.9230, 65.5160

Protanopia

81.9145, 87.3859, 62.4190

Deuteranopia

85.3893, 87.3744, 85.0375



Tritanopia

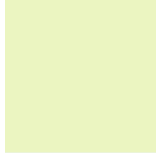
81.1519, 87.3287, 107.1867

Trichromacy



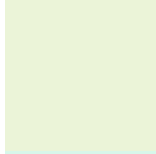
Original Color

69.8112, 87.9230, 65.5160



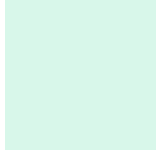
Protanomaly

76.5390, 86.8172, 63.1754



Deuteranomaly

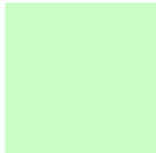
79.0063, 87.3214, 77.6564



Tritanomaly

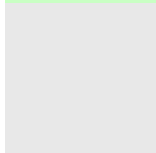
76.4309, 87.0610, 90.6180

Monochromacy



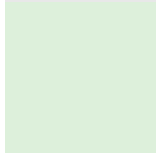
Original Color

69.8112, 87.9230, 65.5160



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7651, 82.8068, 79.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8112, 87.9230, 65.5160 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(201, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 196)  
}
```

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(201, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 196) }
```

Border

The CSS property to change the border of an element to XYZ 69.8112, 87.9230, 65.5160 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(201, 255, 196) }
```


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

```
.border{ border-color:rgb(201, 255, 196) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8112, 87.9230, 65.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 196) }
```

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

```
.background{ background-color: rgb(201,  
255, 196) }
```

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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