

Converting Colors

XYZ(69.0551, 87.2278, 66.6259)

Have a look what the booklet for
XYZ(69.0551, 87.2278, 66.6259)
contains.

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Color

**XYZ(68.9236, 86.9666,
66.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FEC6
RGB	198, 254, 198
RGB Percent	78%, 100%, 78%
CMY	0.2235, 0.0039, 0.2235
CMYK	0.22, 0.00, 0.22, 0.00
HSL	120°, 97%, 89%
HSV	120°, 22%, 100%
XYZ	68.9236, 86.9666, 66.5797
YIQ	230.8720, -15.4000, -29.2880

Conversions

Conversions Part 2

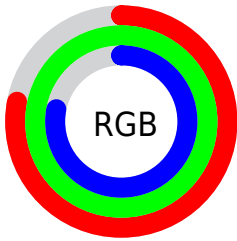
Format	Color
RYB	198, 254, 254
Decimal	13041350
CIELab	94.72, -28.05, 21.15
CIELCh	95, 35.131, 142.988
Yxy	86.9666, 0.3098, 0.3909
Android (android.graphics.Color)	4291231430 (0xFFC6FEC6)
YUV	230.8720, -16.2059, -28.8287
Hunter-Lab	93.2559, -31.2719, 22.9492

Details

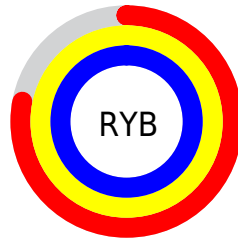
The XYZ color **68.9236, 86.9666, 66.5797** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.9596, 68.6167, 102.8525**, and the grayscale version is **75.9873, 79.9446, 87.0597**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3280, 47.7858, 33.6944** is the 20% darker color. If you saturate the color by 10%, you get **60.0933, 82.7276, 52.1343**, and if you desaturate by 10%, it is **79.3726, 91.9884, 83.6690**.

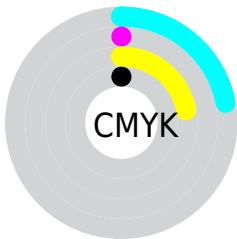
Distribution



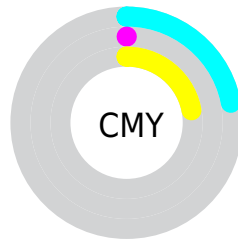
- Red (78%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9236, 86.9666, 66.5797 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 68.9236, 86.9666, 66.5797 by changing the saturation by 10% instead.


 68.9236, 86.9666,
66.5797

 68.9236, 86.9666,
66.5797


446.0871,
518.1131, 466.9079

 50.9259, 65.4676,
48.2837

116.7071,
143.1176, 115.9529

 36.3704, 47.8403,
33.6900


147.2236,
178.5383, 147.8671

 24.8919, 33.7004,
22.3801


182.6438,
219.3684, 185.1579

 16.1248, 22.6636,
13.9355

223.3330,
265.9923, 228.2437

 9.7039, 14.3453,
7.9376

269.6566,
318.7943, 277.5430

 5.2639, 8.3612,
3.9678

321.9799,

 2.4392, 4.3269,

378.1588, 333.4745

1.6077

380.6683,
444.4703, 396.4566

■ 0.8647, 1.8581,
0.2963

■ 0.0000, 0.5230,
0.0000

■ 68.9236, 86.9666,
66.5797

■ 68.9236, 86.9666,
66.5797

■ 60.0933, 82.7276,
52.1343

■ 79.3726, 91.9884,
83.6690

■ 52.7944, 79.2215,
40.1956

■ 91.5082, 97.8177,
103.5189

■ 46.9418, 76.4102,
30.6226

■ 94.7335, 99.3670,
108.7945

■ 42.4394, 74.2475,
23.2579

■ 39.1793, 72.6815,
17.9254

■ 37.0375, 71.6527,
14.4220

■ 35.8641, 71.0890,
12.5026

■ 35.4435, 70.8870,
11.8146

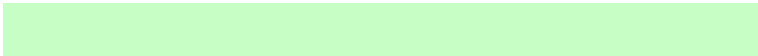
Harmonies

Analogous

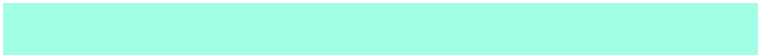
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7335, 86.9666, 54.2593



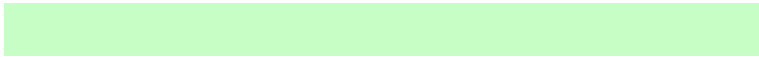
68.9236, 86.9666, 66.5797



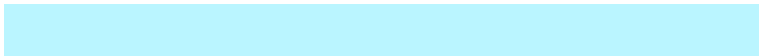
65.8336, 86.9666, 88.4522

Triad

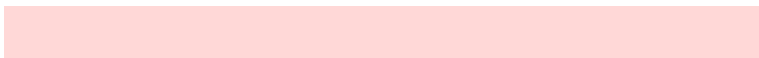
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9236, 86.9666, 66.5797



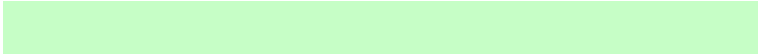
80.4507, 86.9666, 156.6308



100.6274, 86.9666, 75.7082

Complementary

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



68.9236, 86.9666, 66.5797



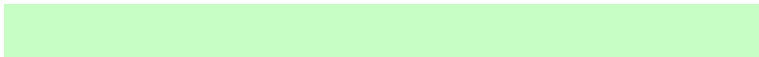
78.9596, 68.6167, 102.8525

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.



102.1318, 86.9666, 101.2182



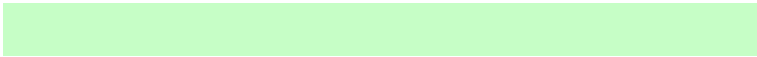
68.9236, 86.9666, 66.5797



89.9946, 86.9666, 151.4300

Square

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



68.9236, 86.9666, 66.5797



72.1506, 86.9666, 142.8692



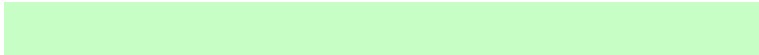
98.1081, 86.9666, 129.7763



94.1415, 86.9666, 58.7822

Rectangle

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



68.9236, 86.9666, 66.5797



66.1180, 86.9666, 106.9332



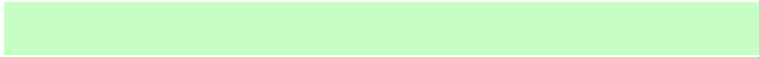
98.1081, 86.9666, 129.7763



101.7518, 86.9666, 83.4223

Sweetspot

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



68.9259, 86.9703, 66.5816



86.0432, 95.6736, 94.1678



86.5117, 96.0361, 67.4042



18.2592, 20.4024, 19.8980



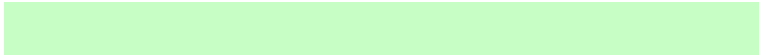
0.0000, 0.0000, 0.0000



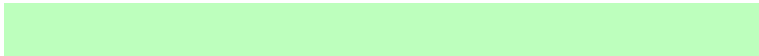
20.3446, 21.4041, 23.3091

Same Dimension

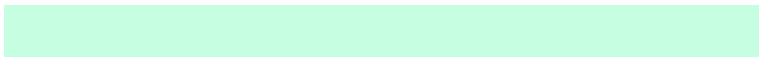
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9259, 86.9703, 66.5816



65.8248, 85.9616, 61.0970



72.4605, 88.3841, 85.1947



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



78.9596, 68.6167, 102.8525



77.4230, 64.7462, 103.0236



74.7974, 66.9519, 80.9347



18.7928, 18.3004, 22.7917



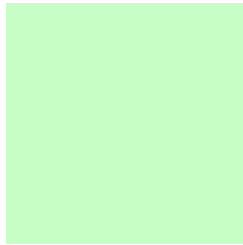
30.9800, 14.8813, 50.6727



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 68.9236, 86.9666, 66.5797 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 68.9236, 86.9666, 66.5797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

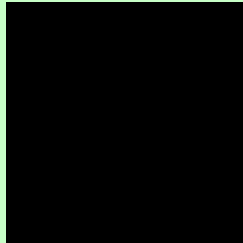
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

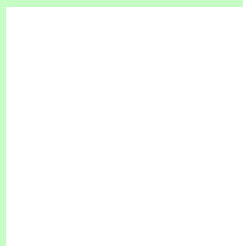
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9236, 86.9666, 66.5797

Background



This preview shows how black text looks on a background with the XYZ color 68.9236, 86.9666, 66.5797.

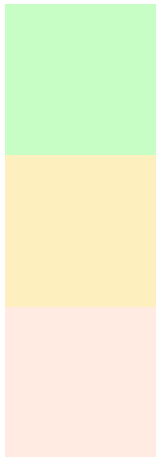


This preview shows how white text looks on a background with the XYZ color 68.9236, 86.9666,

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

68.9236, 86.9666, 66.5797

Protanopia

81.1435, 86.5654, 61.7223

Deuteranopia

84.5389, 86.1129, 83.3999



Tritanopia

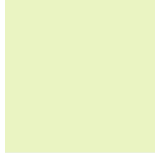
80.2248, 86.8508, 107.1433

Trichromacy



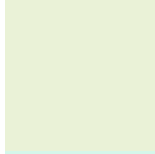
Original Color

68.9236, 86.9666, 66.5797



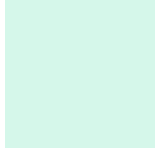
Protanomaly

76.0200, 86.0888, 63.6491



Deuteranomaly

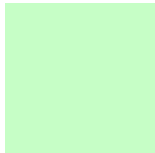
77.9496, 85.9030, 76.7625



Tritanomaly

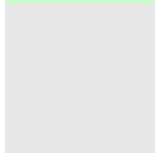
75.5526, 86.6082, 90.5769

Monochromacy



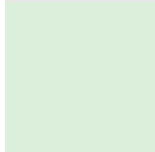
Original Color

68.9236, 86.9666, 66.5797



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8661, 81.9075, 78.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9236, 86.9666, 66.5797 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(198, 254, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 254, 198)  
}
```

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(198, 254, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 254, 198) }
```

Border

The CSS property to change the border of an element to XYZ 68.9236, 86.9666, 66.5797 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(198, 254, 198) }
```


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

```
.border{ border-color:rgb(198, 254, 198) }
```

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

Here you see how a box with a 4 pixel rgb(198, 254, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 254, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 254, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 254,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9236, 86.9666, 66.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 254, 198) }
```

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

```
.background{ background-color: rgb(198,  
254, 198) }
```

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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