

Converting Colors

XYZ(67.0417, 86.4284, 68.4072)

Have a look what the booklet for
XYZ(67.0417, 86.4284, 68.4072)
contains.

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Color

**XYZ(67.0417, 86.4284,
68.4072)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFC9
RGB	188, 255, 201
RGB Percent	74%, 100%, 79%
CMY	0.2627, 0.0000, 0.2118
CMYK	0.26, 0.00, 0.21, 0.00
HSL	132°, 100%, 87%
HSV	132°, 26%, 100%
XYZ	67.0417, 86.4284, 68.4072
YIQ	228.8110, -22.5980, -30.9980

Conversions

Conversions Part 2

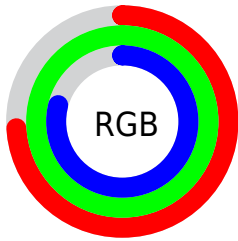
Format	Color
RYB	188, 244, 255
Decimal	12386249
CIELab	94.50, -31.19, 19.21
CIElCh	94, 36.635, 148.367
Yxy	86.4284, 0.3022, 0.3895
Android (android.graphics.Color)	4290576329 (0xFFBCFFC9)
YUV	228.8110, -13.7108, -35.7912
Hunter-Lab	92.9669, -33.9694, 21.4498

Details

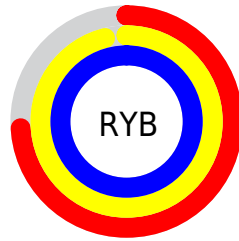
The XYZ color **67.0417, 86.4284, 68.4072** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.2506, 63.6380, 92.3214**, and the grayscale version is **74.4464, 78.3234, 85.2942**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.1334, 47.4813, 34.9168** is the 20% darker color. If you saturate the color by 10%, you get **59.0466, 82.5677, 56.2459**, and if you desaturate by 10%, it is **76.4715, 90.9914, 82.3270**.

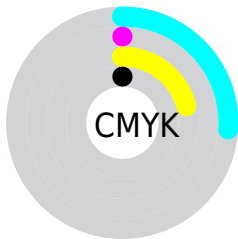
Distribution



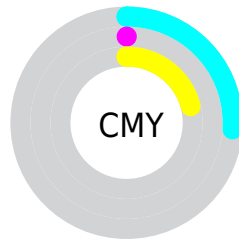
- Red (74%)
- Green (100%)
- Blue (79%)



- Red (74%)
- Yellow (96%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.0417, 86.4284, 68.4072 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 67.0417, 86.4284, 68.4072 by changing the saturation by 10% instead.


 67.0417, 86.4284,
68.4072

 67.0417, 86.4284,
68.4072


439.5233,
516.3428, 473.5746

 49.3893, 65.0223,
49.7603


 114.0296,
142.3672, 118.5942

 35.1442, 47.4791,
34.8532


144.0959,
177.6686, 150.9714

 23.9410, 33.4146,
23.2671

179.0309,
218.3706, 188.7625

 15.4144, 22.4442,
14.5837

219.1999,
264.8575, 232.3859

 9.1989, 14.1837,
8.3844

264.9682,
317.5138, 282.2603

 4.9293, 8.2485,
4.2506

316.7014,

 2.2402, 4.2544,

376.7239, 338.8042

1.7638

374.7646,
442.8720, 402.4361

■ 0.7638, 1.8169,
0.4039

■ 0.0000, 0.4976,
0.0000

■ 67.0417, 86.4284,
68.4072

■ 67.0417, 86.4284,
68.4072

■ 59.0466, 82.5677,
56.2459

■ 76.4715, 90.9914,
82.3270

■ 52.4131, 79.3730,
45.7691

■ 87.4002, 96.2882,
98.0670

■ 47.0644, 76.8064,
36.9035

■ 95.0500, 100.0000,
108.9000

■ 42.9153, 74.8255,
29.5689

■ 39.8700, 73.3828,
23.6782

■ 37.8173, 72.4230,
19.1355

■ 36.6209, 71.8781,
15.8327

■ 36.3246, 71.7458,
14.8930

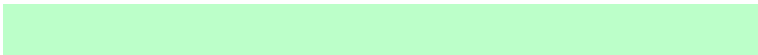
Harmonies

Analogous

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



73.4664, 86.4284, 53.9624



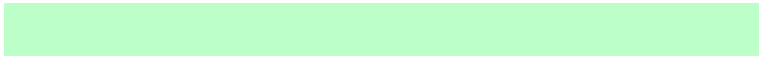
67.0417, 86.4284, 68.4072



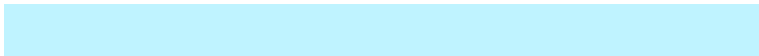
64.6185, 86.4284, 92.5668

Triad

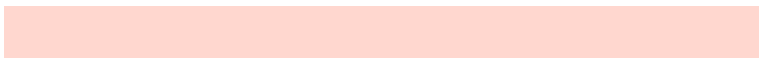
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.0417, 86.4284, 68.4072



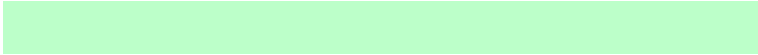
81.6085, 86.4284, 159.4731



99.9822, 86.4284, 70.5971

Complementary

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



67.0417, 86.4284, 68.4072



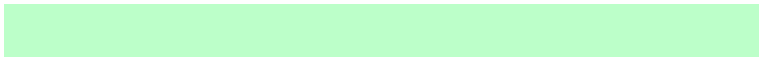
75.2506, 63.6380, 92.3214

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.



102.5905, 86.4284, 95.6618



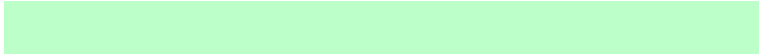
67.0417, 86.4284, 68.4072



91.4871, 86.4284, 150.4158

Square

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



67.0417, 86.4284, 68.4072



72.6010, 86.4284, 148.3102



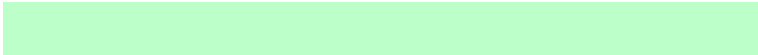
99.3675, 86.4284, 125.5481



92.4964, 86.4284, 55.0375

Rectangle

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



67.0417, 86.4284, 68.4072



65.4383, 86.4284, 112.2697



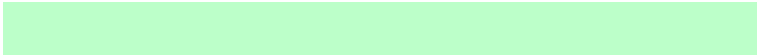
99.3675, 86.4284, 125.5481



101.4836, 86.4284, 78.0150

Sweetspot

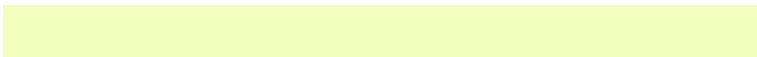
The Sweet Spot groups the original color and five complimentary colors.



67.0424, 86.4288, 68.4086



85.4038, 95.3201, 95.2171



81.7019, 94.1553, 61.4457



17.9156, 20.2258, 19.8585



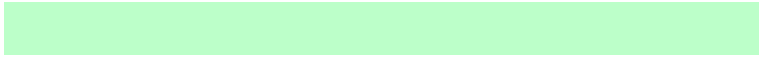
0.0000, 0.0000, 0.0000



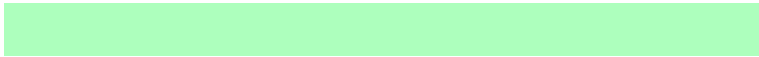
20.3446, 21.4041, 23.3091

Same Dimension

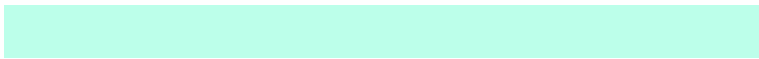
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.0424, 86.4288, 68.4086



62.2929, 84.1342, 61.2335



71.3198, 88.1397, 90.9330



17.9156, 20.2258, 19.8585



19.0210, 37.5050, 7.9960



1.8880, 3.6661, 0.9679

Inverse Universe

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



75.2506, 63.6380, 92.3214



71.8650, 57.5426, 89.1094



70.7593, 61.8415, 68.6704



18.6327, 18.2364, 21.9487



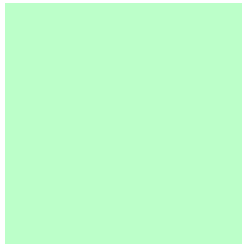
27.3932, 13.4466, 31.7847



2.7041, 1.3240, 3.2891

Previews

White Background



This preview shows how the XYZ color 67.0417, 86.4284, 68.4072 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 67.0417, 86.4284, 68.4072 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 67.0417, 86.4284, 68.4072

Background



This preview shows how black text looks on a background with the XYZ color 67.0417, 86.4284, 68.4072.



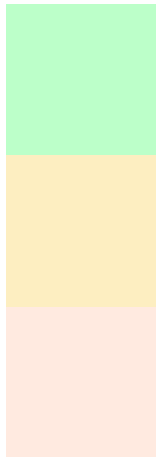
This preview shows how white text looks on a background with the XYZ color 67.0417, 86.4284,

68.4072.

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

67.0417, 86.4284, 68.4072

Protanopia

80.7082, 85.8820, 62.7752

Deuteranopia

84.1174, 85.4875, 82.5883



Tritanopia

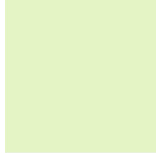
78.7159, 86.0729, 107.0727

Trichromacy



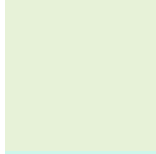
Original Color

67.0417, 86.4284, 68.4072



Protanomaly

74.6276, 85.3449, 64.7645



Deuteranomaly

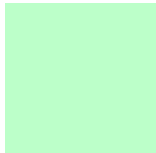
77.1018, 85.4511, 77.3958



Tritanomaly

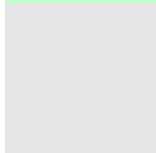
73.7098, 85.6415, 91.2428

Monochromacy



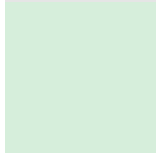
Original Color

67.0417, 86.4284, 68.4072



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.0923, 80.5597, 78.8204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.0417, 86.4284, 68.4072 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(188, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 201)  
}
```

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(188, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 67.0417, 86.4284, 68.4072 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(188, 255, 201) }
```


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

```
.border{ border-color:rgb(188, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 67.0417, 86.4284, 68.4072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 201) }
```

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

```
.background{ background-color: rgb(188,  
255, 201) }
```

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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