

Converting Colors

XYZ(68.0171, 86.9082, 69.7018)

Have a look what the booklet for
XYZ(68.0171, 86.9082, 69.7018)
contains.

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Color

**XYZ(68.0253, 86.9082,
69.6896)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFCB
RGB	191, 255, 203
RGB Percent	75%, 100%, 80%
CMY	0.2510, 0.0000, 0.2039
CMYK	0.25, 0.00, 0.20, 0.00
HSL	131°, 100%, 87%
HSV	131°, 25%, 100%
XYZ	68.0253, 86.9082, 69.6896
YIQ	229.9360, -21.4520, -29.7400

Conversions

Conversions Part 2

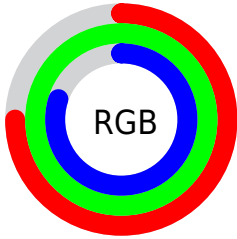
Format	Color
RYB	191, 245, 255
Decimal	12582859
CIELab	94.70, -29.91, 18.50
CIElCh	95, 35.166, 148.255
Yxy	86.9082, 0.3028, 0.3869
Android (android.graphics.Color)	4290772939 (0xFFBFFFCB)
YUV	229.9360, -13.2794, -34.1469
Hunter-Lab	93.2246, -32.8928, 20.9352

Details

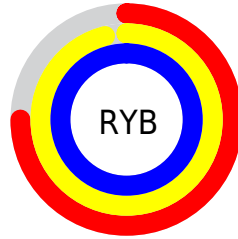
The XYZ color **68.0253, 86.9082, 69.6896** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.0486, 64.9931, 93.3299**, and the grayscale version is **75.2725, 79.1925, 86.2407**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **35.7722, 47.7923, 35.7732** is the 20% darker color. If you saturate the color by 10%, you get **59.8544, 82.9623, 57.2687**, and if you desaturate by 10%, it is **77.6439, 91.5620, 83.9034**.

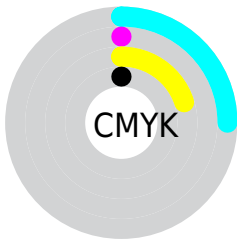
Distribution



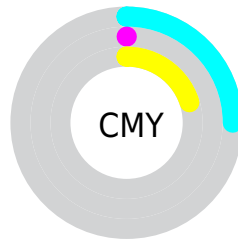
- Red (75%)
- Green (100%)
- Blue (80%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0253, 86.9082, 69.6896 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 68.0253, 86.9082, 69.6896 by changing the saturation by 10% instead.


 68.0253, 86.9082,
69.6896

 68.0253, 86.9082,
69.6896


442.9610,
517.9212, 478.2190

 50.1921, 65.4192,
50.7983


 115.4300,
143.0362, 120.4430

 35.7845, 47.8011,
35.6725


145.7323,
178.4440, 153.1421

 24.4371, 33.6694,
23.8937


180.9215,
219.2602, 191.2809

 15.7847, 22.6397,
15.0433

221.3632,
265.8692, 235.2779

 9.4618, 14.3277,
8.7028

267.4226,
318.6554, 285.5517

 5.1031, 8.3490,
4.4537

319.4652,

 2.3433, 4.3190,

378.0032, 342.5208

1.8774

377.8562,
444.2970, 406.6037

■ 0.8167, 1.8536,
0.4783

■ 0.0000, 0.5202,
0.0000

■ 68.0253, 86.9082,
69.6896

■ 68.0253, 86.9082,
69.6896

■ 59.8544, 82.9623,
57.2687

■ 77.6439, 91.5620,
83.9034

■ 53.0585, 79.6888,
46.5654

■ 88.7742, 96.9558,
99.9731

■ 47.5612, 77.0497,
37.5052

■ 95.0500, 100.0000,
108.9000

■ 43.2780, 75.0031,
30.0065

■ 40.1139, 73.5021,
23.9808

■ 37.9595, 72.4921,
19.3304

■ 36.6818, 71.9071,
15.9457

■ 36.2897, 71.7319,
14.7096

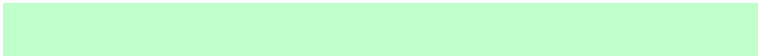
Harmonies

Analogous

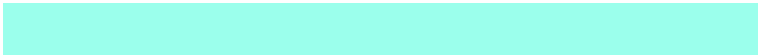
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2558, 86.9082, 55.6276



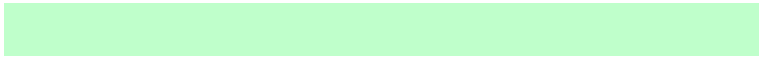
68.0253, 86.9082, 69.6896



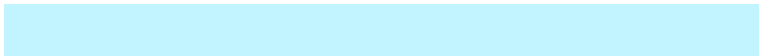
65.6601, 86.9082, 93.0443

Triad

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



68.0253, 86.9082, 69.6896



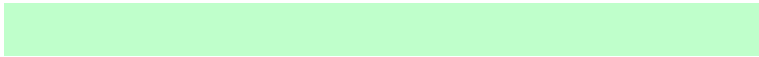
82.0487, 86.9082, 157.1295



99.7582, 86.9082, 71.9639

Complementary

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



68.0253, 86.9082, 69.6896



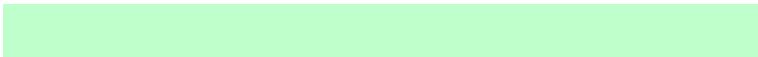
76.0486, 64.9931, 93.3299

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.



102.2367, 86.9082, 96.2301



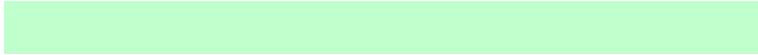
68.0253, 86.9082, 69.6896



91.5548, 86.9082, 148.5841

Square

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



68.0253, 86.9082, 69.6896



73.3621, 86.9082, 146.4426



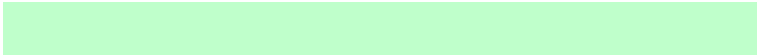
99.1288, 86.9082, 124.9027



92.5904, 86.9082, 56.7529

Rectangle

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



68.0253, 86.9082, 69.6896



66.4447, 86.9082, 111.9767



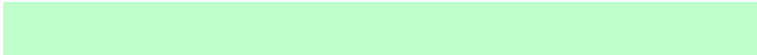
99.1288, 86.9082, 124.9027



101.1905, 86.9082, 79.1711

Sweetspot

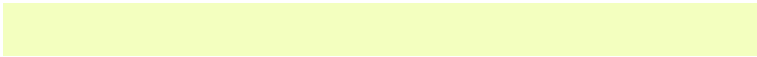
The Sweet Spot groups the original color and five complimentary colors.



68.0259, 86.9084, 69.6910



85.3842, 95.3122, 95.1139



82.2184, 94.3838, 63.1754



17.9107, 20.2238, 19.8327



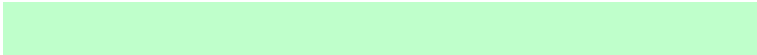
0.0000, 0.0000, 0.0000



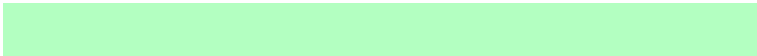
20.3446, 21.4041, 23.3091

Same Dimension

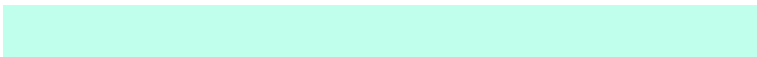
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0259, 86.9084, 69.6910



63.8434, 84.8876, 63.3817



72.2031, 88.5793, 91.6877



17.9107, 20.2238, 19.8327



19.0017, 37.4973, 7.8943



1.8854, 3.6651, 0.9544

Inverse Universe

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



76.0486, 64.9931, 93.3299



73.0857, 59.6304, 90.6067



71.6625, 63.2387, 70.2332



18.6380, 18.2385, 21.9767



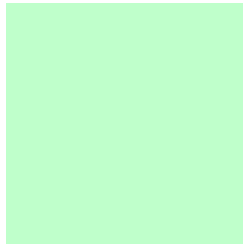
27.4977, 13.4884, 32.3352



2.7134, 1.3277, 3.3380

Previews

White Background



This preview shows how the XYZ color 68.0253, 86.9082, 69.6896 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 68.0253, 86.9082, 69.6896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

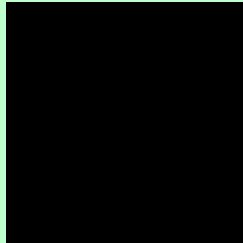
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0253, 86.9082, 69.6896

Background



This preview shows how black text looks on a background with the XYZ color 68.0253, 86.9082, 69.6896.



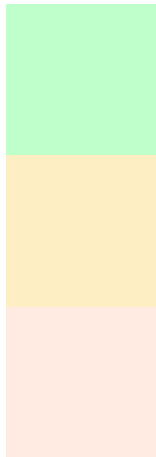
This preview shows how white text looks on a background with the XYZ color 68.0253, 86.9082,

69.6896.

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

68.0253, 86.9082, 69.6896

Protanopia

80.9329, 85.9718, 63.9584

Deuteranopia

84.6758, 86.1676, 84.1206



Tritanopia

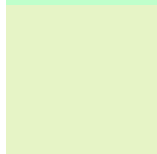
79.3140, 86.3813, 107.1007

Trichromacy



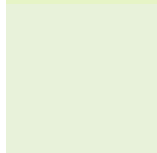
Original Color

68.0253, 86.9082, 69.6896



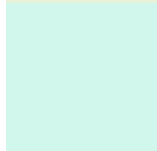
Protanomaly

75.1769, 85.6016, 65.9866



Deuteranomaly

77.6857, 85.7220, 78.7812



Tritanomaly

74.6956, 86.1330, 92.0453

Monochromacy



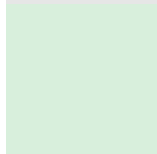
Original Color

68.0253, 86.9082, 69.6896



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1037, 81.4992, 79.6408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0253, 86.9082, 69.6896 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(191, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 203)  
}
```

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(191, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 203) }
```

Border

The CSS property to change the border of an element to XYZ 68.0253, 86.9082, 69.6896 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(191, 255, 203) }
```


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

```
.border{ border-color:rgb(191, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0253, 86.9082, 69.6896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 203) }
```

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

```
.background{ background-color: rgb(191,  
255, 203) }
```

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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