

Converting Colors

XYZ(67.7459, 86.7301, 71.2133)

Have a look what the booklet for
XYZ(67.7459, 86.7301, 71.2133)
contains.

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Color

**XYZ(67.7657, 86.7466,
70.9297)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFEED
RGB	189, 255, 205
RGB Percent	74%, 100%, 80%
CMY	0.2588, 0.0000, 0.1961
CMYK	0.26, 0.00, 0.20, 0.00
HSL	135°, 100%, 87%
HSV	135°, 26%, 100%
XYZ	67.7657, 86.7466, 70.9297
YIQ	229.5660, -23.2860, -29.5420

Conversions

Conversions Part 2

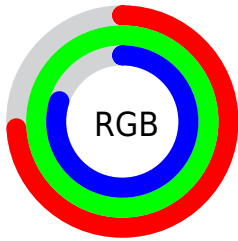
Format	Color
RYB	189, 242, 255
Decimal	12451789
CIELab	94.63, -30.18, 17.37
CIElCh	95, 34.820, 150.080
Yxy	86.7466, 0.3006, 0.3848
Android (android.graphics.Color)	4290641869 (0xFFBDFECD)
YUV	229.5660, -12.1110, -35.5764
Hunter-Lab	93.1379, -33.1173, 20.0438

Details

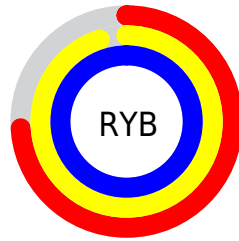
The XYZ color **67.7657, 86.7466, 70.9297** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.0179, 63.8879, 90.0387**, and the grayscale version is **74.9917, 78.8971, 85.9189**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.6115, 47.6909, 36.6065** is the 20% darker color. If you saturate the color by 10%, you get **59.7966, 82.8913, 59.1266**, and if you desaturate by 10%, it is **77.1362, 91.2909, 84.3041**.

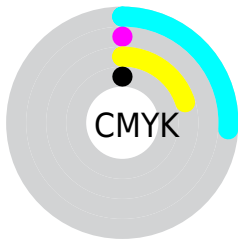
Distribution



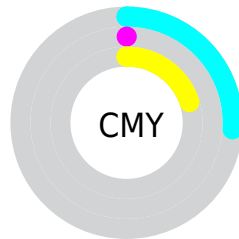
- Red (74%)
- Green (100%)
- Blue (80%)



- Red (74%)
- Yellow (95%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.7657, 86.7466, 70.9297 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 67.7657, 86.7466, 70.9297 by changing the saturation by 10% instead.


 67.7657, 86.7466,
70.9297

 67.7657, 86.7466,
70.9297


442.0552,
517.3898, 482.6847

 49.9801, 65.2855,
51.8033


 115.0607,
142.8109, 122.2271

 35.6153, 47.6926,
36.4672


145.3007,
178.1829, 155.2353

 24.3060, 33.5835,
24.5027


180.4230,
218.9607, 193.7078

 15.6867, 22.5739,
15.4913

220.7929,
265.5286, 238.0633

 9.3922, 14.2792,
9.0145

266.7757,
318.2711, 288.7201

 5.0570, 8.3151,
4.6537

318.7368,

 2.3159, 4.2972,

377.5725, 346.0969

1.9904

377.0415,
443.8173, 410.6123

■ 0.8028, 1.8412,
0.5493

■ 0.0000, 0.5126,
0.0000

■ 67.7657, 86.7466,
70.9297

■ 67.7657, 86.7466,
70.9297

■ 59.7966, 82.8913,
59.1266

■ 77.1362, 91.2909,
84.3041

■ 53.1581, 79.6901,
48.8328

■ 87.9699, 96.5552,
99.3004

■ 47.7764, 77.1058,
39.9886

95.0500, 100.0000,
108.9000

■ 43.5692, 75.0977,
32.5282

■ 40.4443, 73.6196,
26.3812

■ 38.2948, 72.6180,
21.4704

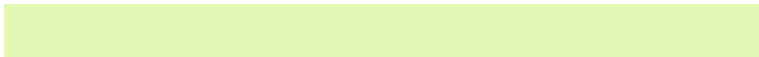
■ 36.9900, 72.0272,
17.7106

■ 36.6246, 71.8658,
16.4730

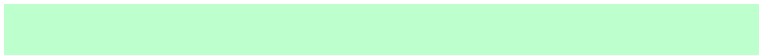
Harmonies

Analogous

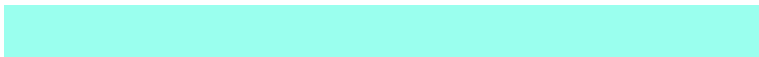
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.7248, 86.7466, 56.3904



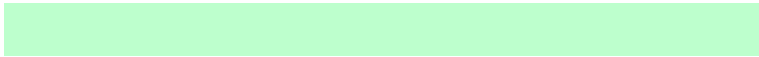
67.7657, 86.7466, 70.9297



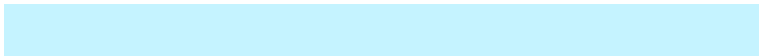
65.6755, 86.7466, 94.5246

Triad

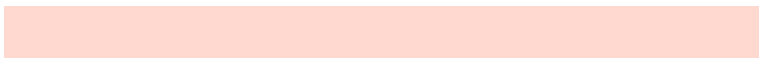
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7657, 86.7466, 70.9297



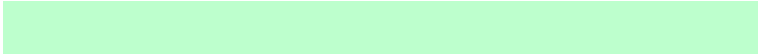
82.4753, 86.7466, 156.1956



99.0873, 86.7466, 70.8263

Complementary

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



67.7657, 86.7466, 70.9297



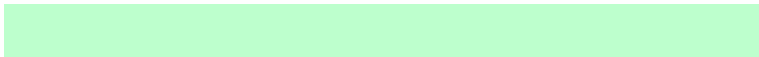
75.0179, 63.8879, 90.0387

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.



101.8623, 86.7466, 94.3801



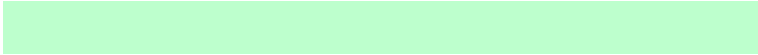
67.7657, 86.7466, 70.9297



91.8379, 86.7466, 146.6551

Square

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



67.7657, 86.7466, 70.9297



73.7654, 86.7466, 146.7520



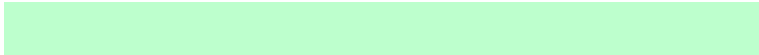
99.1158, 86.7466, 122.6733



91.7909, 86.7466, 56.3392

Rectangle

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



67.7657, 86.7466, 70.9297



66.6234, 86.7466, 113.3479



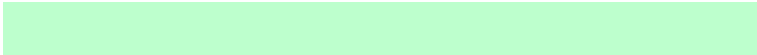
99.1158, 86.7466, 122.6733



100.6034, 86.7466, 77.7828

Sweetspot

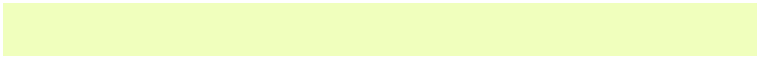
The Sweet Spot groups the original color and five complimentary colors.



67.7664, 86.7469, 70.9311



85.5498, 95.3785, 95.9856



80.7451, 93.6496, 61.9655



17.9521, 20.2404, 20.0507



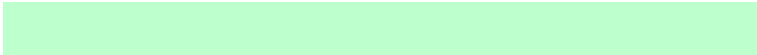
0.0000, 0.0000, 0.0000



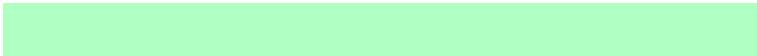
20.3446, 21.4041, 23.3091

Same Dimension

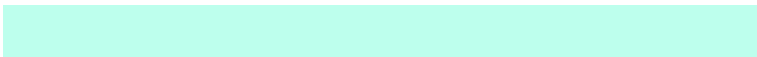
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7664, 86.7469, 70.9311



63.5165, 84.6896, 64.6968



72.0913, 88.4769, 93.7060



17.9521, 20.2404, 20.0507



19.1858, 37.5709, 8.8635



1.9088, 3.6745, 1.0778

Inverse Universe

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



75.0179, 63.8879, 90.0387



71.8719, 58.3376, 86.7037



70.6517, 62.1414, 67.0469



18.5933, 18.2206, 21.7416



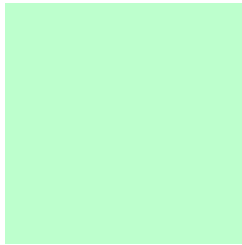
26.6507, 13.1496, 27.8746



2.6377, 1.2975, 2.9397

Previews

White Background



This preview shows how the XYZ color 67.7657, 86.7466, 70.9297 looks on a white background.

Color Contrast Check

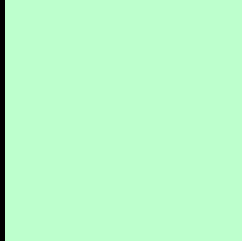
Large Text (above 18pt) WCAG AA × Fail

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 67.7657, 86.7466, 70.9297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

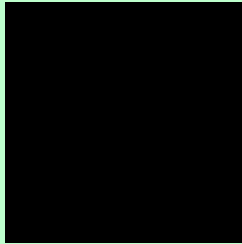
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

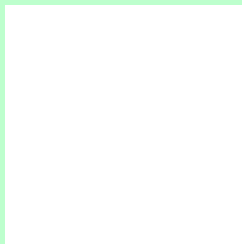
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7657, 86.7466, 70.9297

Background



This preview shows how black text looks on a background with the XYZ color 67.7657, 86.7466, 70.9297.



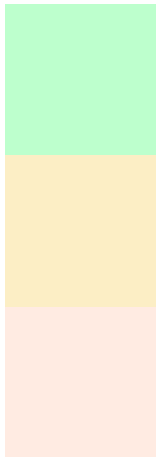
This preview shows how white text looks on a background with the XYZ color 67.7657, 86.7466,

70.9297.

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

67.7657, 86.7466, 70.9297

Protanopia

80.7975, 85.8757, 65.1405

Deuteranopia

84.6758, 86.1676, 84.1206



Tritanopia

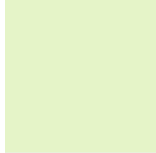
79.0140, 86.2266, 107.0867

Trichromacy



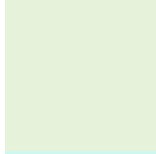
Original Color

67.7657, 86.7466, 70.9297



Protanomaly

75.0891, 85.5295, 67.1948



Deuteranomaly

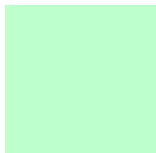
77.3620, 85.5551, 78.7660



Tritanomaly

74.2790, 85.9014, 92.7865

Monochromacy



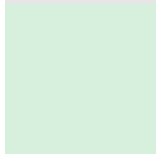
Original Color

67.7657, 86.7466, 70.9297



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9420, 81.4005, 80.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7657, 86.7466, 70.9297 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(189, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 205)  
}
```

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(189, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 205) }
```

Border

The CSS property to change the border of an element to XYZ 67.7657, 86.7466, 70.9297 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(189, 255, 205) }
```


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

```
.border{ border-color:rgb(189, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7657, 86.7466, 70.9297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 205) }
```

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

```
.background{ background-color: rgb(189,  
255, 205) }
```

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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