

Converting Colors

XYZ(70.8781, 93.3378, 71.5333)

Have a look what the booklet for
XYZ(70.8781, 93.3378, 71.5333)
contains.

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Color

**XYZ(67.3981, 86.5710,
70.2844)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFCC
RGB	188, 255, 204
RGB Percent	74%, 100%, 80%
CMY	0.2627, 0.0000, 0.2000
CMYK	0.26, 0.00, 0.20, 0.00
HSL	134°, 100%, 87%
HSV	134°, 26%, 100%
XYZ	67.3981, 86.5710, 70.2844
YIQ	229.1530, -23.5610, -30.0650

Conversions

Conversions Part 2

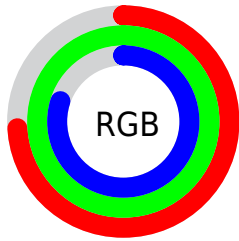
Format	Color
RYB	188, 242, 255
Decimal	12386252
CIELab	94.56, -30.67, 17.77
CIELCh	95, 35.441, 149.914
Yxy	86.5710, 0.3005, 0.3860
Android (android.graphics.Color)	4290576332 (0xFFBCFFCC)
YUV	229.1530, -12.4004, -36.0912
Hunter-Lab	93.0435, -33.5259, 20.3432

Details

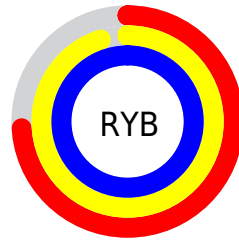
The XYZ color **67.3981, 86.5710, 70.2844** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.8034, 63.4590, 89.9671**, and the grayscale version is **74.6892, 78.5789, 85.5724**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.3720, 47.5767, 36.1731** is the 20% darker color. If you saturate the color by 10%, you get **59.4763, 82.7396, 58.5091**, and if you desaturate by 10%, it is **76.7212, 91.0912, 83.6425**.

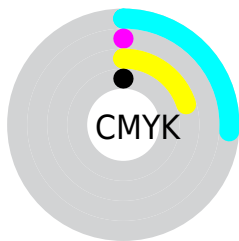
Distribution



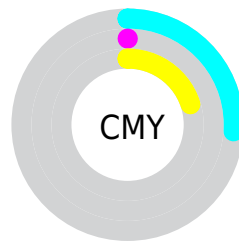
- Red (74%)
- Green (100%)
- Blue (80%)



- 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 67.3981, 86.5710, 70.2844 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 67.3981, 86.5710, 70.2844 by changing the saturation by 10% instead.


 67.3981, 86.5710,
70.2844

 67.3981, 86.5710,
70.2844


440.7707,
516.8121, 480.3640

 49.6801, 65.1402,
51.2802

 114.5373,
142.5660, 121.2992

 35.3760, 47.5748,
36.0534


144.6892,
177.8991, 154.1468

 24.1206, 33.4903,
24.1854


179.7165,
218.6351, 192.4460

 15.5483, 22.5023,
15.2577

219.9845,
265.1583, 236.6152

 9.2939, 14.2265,
8.8518

265.8586,
317.8533, 287.0731

 4.9920, 8.2783,
4.5492

317.7041,

 2.2773, 4.2736,

377.1043, 344.2382

1.9312

375.8863,
443.2958, 408.5290

■ 0.7830, 1.8277,
0.5125

■ 0.0000, 0.5044,
0.0000

■ 67.3981, 86.5710,
70.2844

■ 67.3981, 86.5710,
70.2844

■ 59.4763, 82.7396,
58.5091

■ 76.7212, 91.0912,
83.6425

■ 52.8849, 79.5617,
48.2539

■ 87.5079, 96.3313,
98.6350

■ 47.5494, 77.0004,
39.4577

■ 95.0500, 100.0000,
108.9000

■ 43.3872, 75.0142,
32.0538

■ 40.3052, 73.5569,
25.9703

■ 38.1957, 72.5744,
21.1285

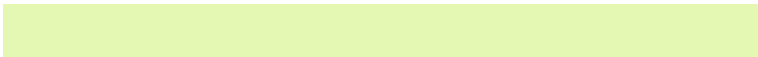
■ 36.9264, 72.0003,
17.4412

■ 36.5996, 71.8558,
16.3413

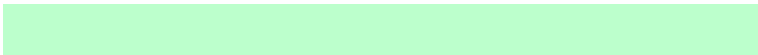
Harmonies

Analogous

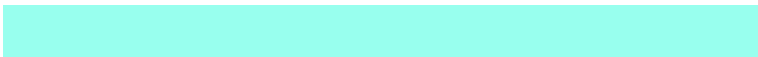
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4629, 86.5710, 55.6380



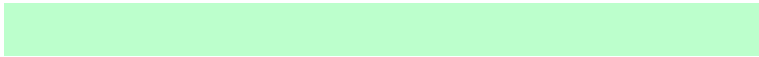
67.3981, 86.5710, 70.2844



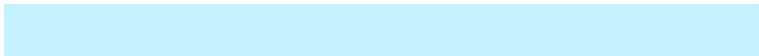
65.2560, 86.5710, 94.1826

Triad

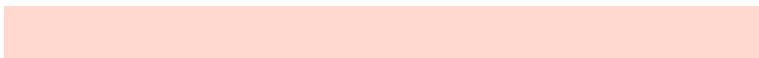
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3981, 86.5710, 70.2844



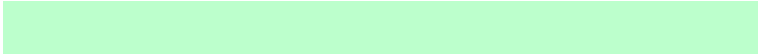
82.2557, 86.5710, 157.2207



99.2438, 86.5710, 70.3964

Complementary

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



67.3981, 86.5710, 70.2844



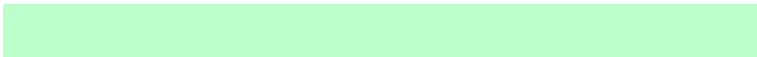
74.8034, 63.4590, 89.9671

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.



102.0410, 86.5710, 94.3397



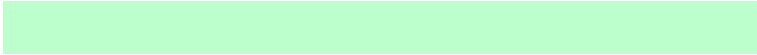
67.3981, 86.5710, 70.2844



91.7825, 86.5710, 147.5733

Square

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



67.3981, 86.5710, 70.2844



73.4189, 86.5710, 147.4673



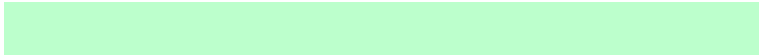
99.2127, 86.5710, 123.1510



91.8336, 86.5710, 55.6933

Rectangle

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



67.3981, 86.5710, 70.2844



66.2011, 86.5710, 113.3281



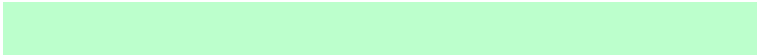
99.2127, 86.5710, 123.1510



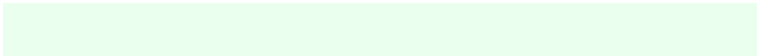
100.7791, 86.5710, 77.4625

Sweetspot

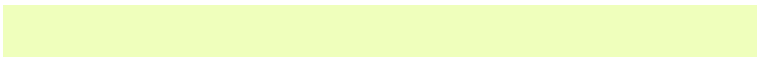
The Sweet Spot groups the original color and five complimentary colors.



67.3988, 86.5713, 70.2858



85.5388, 95.3741, 95.9281



80.5579, 93.5656, 61.3919



17.9493, 20.2393, 20.0363



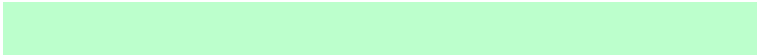
0.0000, 0.0000, 0.0000



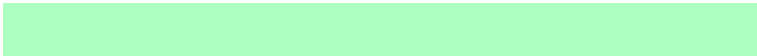
20.3446, 21.4041, 23.3091

Same Dimension

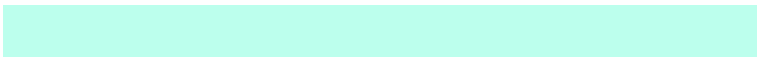
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3988, 86.5713, 70.2858



62.6953, 84.2952, 63.3527



71.8050, 88.3338, 93.4888



17.9493, 20.2393, 20.0363



19.1721, 37.5654, 8.7917



1.9072, 3.6738, 1.0690

Inverse Universe

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



74.8034, 63.4590, 89.9671



71.3299, 57.3286, 86.2918



70.3481, 61.6769, 66.5054



18.5963, 18.2218, 21.7570



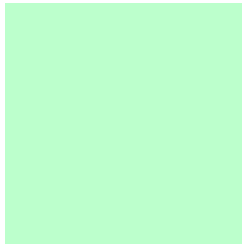
26.7041, 13.1709, 28.1560



2.6425, 1.2994, 2.9650

Previews

White Background



This preview shows how the XYZ color 67.3981, 86.5710, 70.2844 looks on a white background.

Color Contrast Check

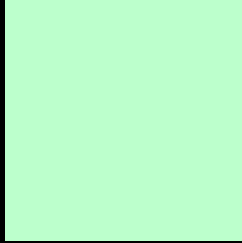
Large Text (above 18pt) WCAG AA × Fail

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 67.3981, 86.5710, 70.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

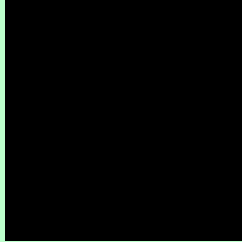
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

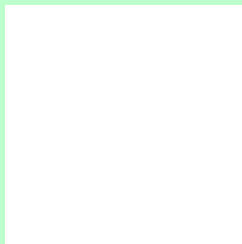
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3981, 86.5710, 70.2844

Background



This preview shows how black text looks on a background with the XYZ color 67.3981, 86.5710, 70.2844.



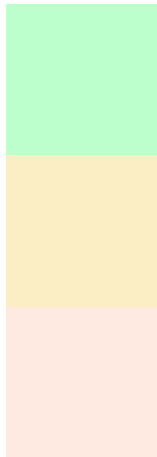
This preview shows how white text looks on a background with the XYZ color 67.3981, 86.5710,

70.2844.

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

67.3981, 86.5710, 70.2844

Protanopia

80.6832, 85.8300, 64.5389

Deuteranopia

84.2534, 85.5419, 83.3048



Tritanopia

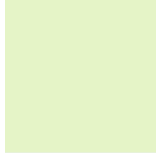
78.7159, 86.0729, 107.0727

Trichromacy



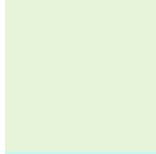
Original Color

67.3981, 86.5710, 70.2844



Protanomaly

74.9726, 85.4829, 66.5812



Deuteranomaly

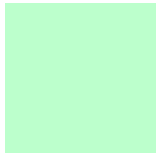
77.2315, 85.5029, 78.0788



Tritanomaly

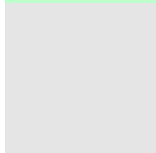
73.8547, 85.6995, 92.0060

Monochromacy



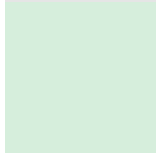
Original Color

67.3981, 86.5710, 70.2844



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2244, 80.6125, 79.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3981, 86.5710, 70.2844 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 67.3981, 86.5710, 70.2844 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, 204) }
```


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

```
.border{ border-color:rgb(188, 255, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3981, 86.5710, 70.2844 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, 204) }
```

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

```
.background{ background-color: rgb(188,  
255, 204) }
```

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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