

Converting Colors

XYZ(68.1062, 81.9364, 71.0175)

Have a look what the booklet for
XYZ(68.1062, 81.9364, 71.0175)
contains.

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Color

**XYZ(67.9703, 81.7629,
71.2309)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF4CF
RGB	202, 244, 207
RGB Percent	79%, 96%, 81%
CMY	0.2078, 0.0431, 0.1882
CMYK	0.17, 0.00, 0.15, 0.04
HSL	127°, 66%, 87%
HSV	127°, 17%, 96%
XYZ	67.9703, 81.7629, 71.2309
YIQ	227.2240, -13.1550, -20.4110

Conversions

Conversions Part 2

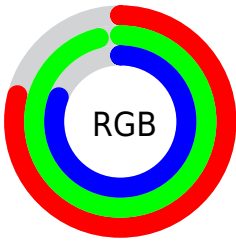
Format	Color
R _Y B	202, 240, 244
Decimal	13300943
CIE Lab	92.47, -20.42, 13.40
CIE LCh	92, 24.420, 146.728
Yxy	81.7629, 0.3076, 0.3700
Android (android.graphics.Color)	4291491023 (0xFFCAF4CF)
YUV	227.2240, -9.9704, -22.1214
Hunter-Lab	90.4228, -24.0626, 16.5901

Details

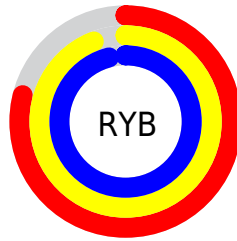
The XYZ color **67.9703, 81.7629, 71.2309** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0116, 67.7081, 90.8332**, and the grayscale version is **73.2557, 77.0706, 83.9299**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7656, 44.4694, 36.8354** is the 20% darker color. If you saturate the color by 10%, you get **59.4314, 77.6466, 58.0346**, and if you desaturate by 10%, it is **77.9153, 86.5675, 86.3642**.

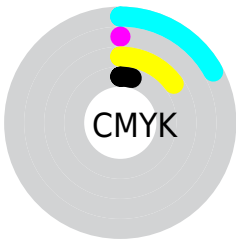
Distribution



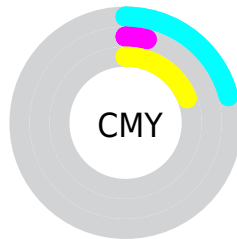
- Red (79%)
- Green (96%)
- Blue (81%)



- Red (79%)
- Yellow (94%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)



- Cyan (21%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9703, 81.7629, 71.2309 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 67.9703, 81.7629, 71.2309 by changing the saturation by 10% instead.

67.9703, 81.7629,
71.2309

67.9703, 81.7629,
71.2309

442.7692,
500.8543, 483.7656

50.1472, 61.1701,
52.0477

115.3518,
135.8415, 122.6600

35.7486, 44.3625,
36.6606

145.6409,
170.0960, 155.7429

24.4093, 30.9556,
24.6511

180.8160,
209.6733, 194.2961

15.7639, 20.5650,
15.6006

221.2424,
254.9577, 238.7381

9.4470, 12.8064,
9.0907

267.2856,
306.3336, 289.4876

5.0933, 7.2954,
4.7028

319.3109,

2.3374, 3.6475,

364.1854, 346.9629

2.0183

377.6836,
428.8975, 411.5828

■ 0.8137, 1.4784,
0.5665

■ 0.0000, 0.2735,
0.0000

■ 67.9703, 81.7629,
71.2309

■ 67.9703, 81.7629,
71.2309

■ 59.4314, 77.6466,
58.0346

■ 77.9153, 86.5675,
86.3642

■ 52.2288, 74.1771,
46.6918

■ 89.3191, 92.0788,
103.5024

■ 46.2964, 71.3245,
37.1213

■ 91.6423, 93.1845,
107.7641

■ 41.5600, 69.0525,
29.2333

■ 37.9377, 67.3208,
22.9307

■ 35.3369, 66.0842,
18.1060

■ 33.6502, 65.2897,
14.6386

■ 32.7413, 64.8699,
12.3885

■ 32.5746, 64.7935,
11.9551

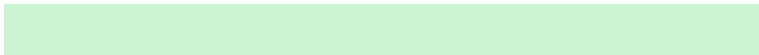
Harmonies

Analogous

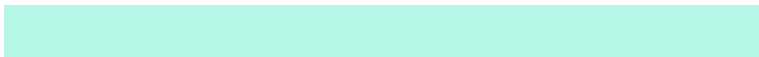
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3641, 81.7629, 61.3690



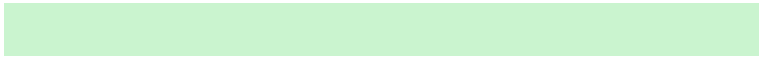
67.9703, 81.7629, 71.2309



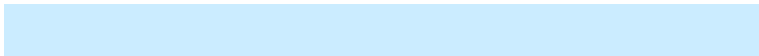
66.1788, 81.7629, 87.0499

Triad

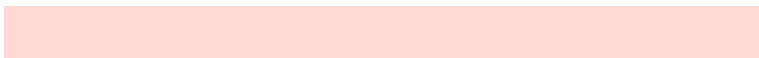
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9703, 81.7629, 71.2309



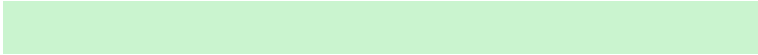
77.0201, 81.7629, 128.5799



89.1046, 81.7629, 74.2442

Complementary

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



67.9703, 81.7629, 71.2309



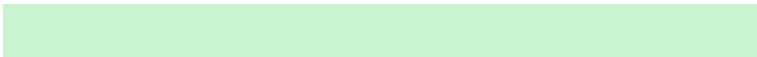
74.0116, 67.7081, 90.8332

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.



90.5155, 81.7629, 91.0315



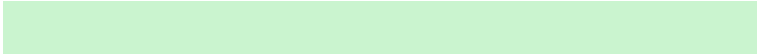
67.9703, 81.7629, 71.2309



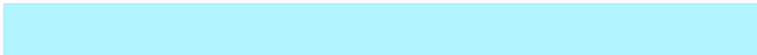
83.3195, 81.7629, 123.9483

Square

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



67.9703, 81.7629, 71.2309



71.2221, 81.7629, 121.4826



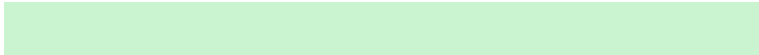
88.3453, 81.7629, 109.5622



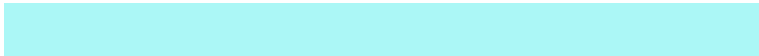
84.5871, 81.7629, 62.9356

Rectangle

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



67.9703, 81.7629, 71.2309



66.6249, 81.7629, 99.4455



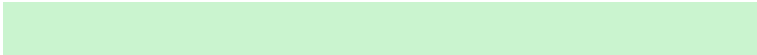
88.3453, 81.7629, 109.5622



89.9682, 81.7629, 79.3608

Sweetspot

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



67.9725, 81.7664, 71.2327



88.7577, 96.9591, 99.4402



78.6451, 87.3378, 68.5909



18.8156, 20.6652, 21.0094



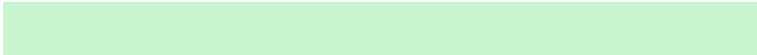
0.0000, 0.0000, 0.0000



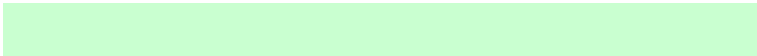
20.3446, 21.4041, 23.3091

Same Dimension

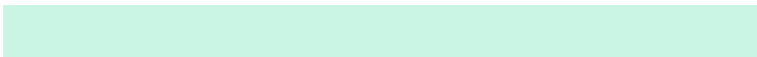
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9725, 81.7664, 71.2327



71.3322, 88.5454, 72.8930



70.7000, 82.8574, 85.5956



16.3624, 18.5041, 17.9270



17.7369, 35.2396, 6.6343



1.5843, 3.1074, 0.7168

Inverse Universe

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



74.0116, 67.7081, 90.8332



79.2721, 70.0596, 98.6609



71.0993, 66.5432, 75.4971



17.1237, 16.7323, 20.3979



26.9860, 13.1379, 36.2304



2.3953, 1.1641, 3.3082

Previews

White Background



This preview shows how the XYZ color 67.9703, 81.7629, 71.2309 looks on a white background.

Color Contrast Check

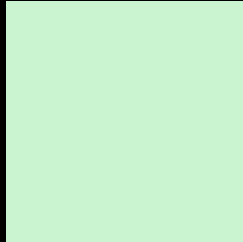
Large Text (above 18pt) WCAG AA × Fail

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 67.9703, 81.7629, 71.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

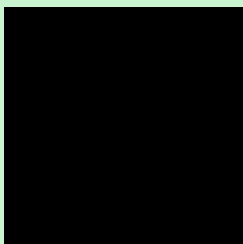
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

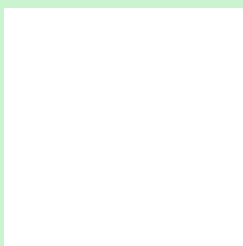
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9703, 81.7629, 71.2309

Background



This preview shows how black text looks on a background with the XYZ color 67.9703, 81.7629, 71.2309.



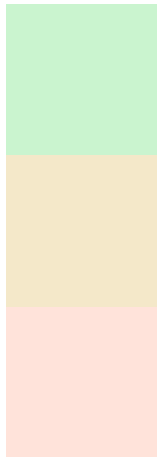
This preview shows how white text looks on a background with the XYZ color 67.9703, 81.7629,

71.2309.

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

67.9703, 81.7629, 71.2309

Protanopia

76.7075, 81.1634, 66.8815

Deuteranopia

81.3640, 81.2601, 77.7261



Tritanopia

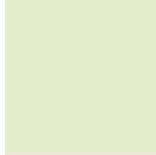
75.1982, 81.6373, 106.4019

Trichromacy



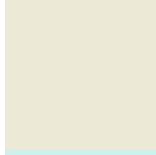
Original Color

67.9703, 81.7629, 71.2309



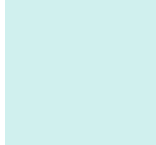
Protanomaly

73.0880, 80.9607, 68.2747



Deuteranomaly

75.8686, 80.9657, 75.2476



Tritanomaly

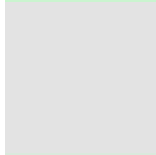
72.6051, 81.9031, 92.8711

Monochromacy



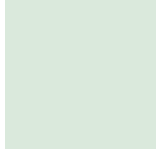
Original Color

67.9703, 81.7629, 71.2309



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.9706, 78.3506, 79.0928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9703, 81.7629, 71.2309 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(202, 244, 207)` looks like.

```
.text, #text, p{  
    color:rgb(202, 244, 207)  
}
```

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(202, 244, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 244, 207) }
```

Border

The CSS property to change the border of an element to XYZ 67.9703, 81.7629, 71.2309 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(202, 244, 207) }
```


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

```
.border{ border-color:rgb(202, 244, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 244, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 244, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 244, 207); box-shadow:4px 4px 4px 4px rgb(202, 244, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9703, 81.7629, 71.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 244, 207) }
```

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

```
.background{ background-color: rgb(202,  
244, 207) }
```

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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