

Converting Colors

XYZ(67.8285, 82.4476, 66.7453)

Have a look what the booklet for
XYZ(67.8285, 82.4476, 66.7453)
contains.

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Color

**XYZ(67.7063, 82.1715,
66.9358)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF5C8
RGB	203, 245, 200
RGB Percent	80%, 96%, 78%
CMY	0.2039, 0.0392, 0.2157
CMYK	0.17, 0.00, 0.18, 0.04
HSL	116°, 69%, 87%
HSV	116°, 18%, 96%
XYZ	67.7063, 82.1715, 66.9358
YIQ	227.3120, -10.5870, -22.8990

Conversions

Conversions Part 2

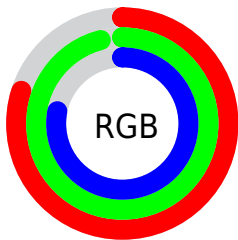
Format	Color
R_{YB}	200, 245, 242
Decimal	13366728
CIE _{Lab}	92.65, -21.77, 17.27
CIE _{LCh}	93, 27.792, 141.580
Yxy	82.1715, 0.3123, 0.3790
Android (android.graphics.Color)	4291556808 (0xFFC _B F5C8)
YUV	227.3120, -13.4648, -21.3216
Hunter-Lab	90.6485, -25.3114, 19.6736

Details

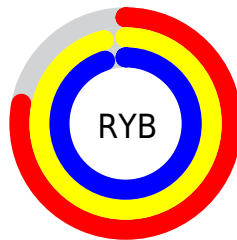
The XYZ color **67.7063, 82.1715, 66.9358** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.7572, 66.7808, 95.3932**, and the grayscale version is **73.3431, 77.1626, 84.0301**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5986, 44.7664, 33.9587** is the 20% darker color. If you saturate the color by 10%, you get **59.2947, 78.1423, 52.7740**, and if you desaturate by 10%, it is **77.4998, 86.8648, 83.5609**.

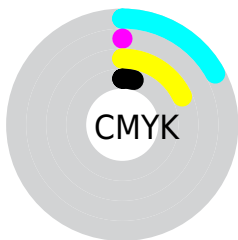
Distribution



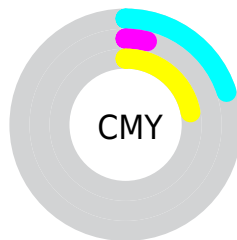
- Red (80%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7063, 82.1715, 66.9358 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 67.7063, 82.1715, 66.9358 by changing the saturation by 10% instead.

67.7063, 82.1715,
66.9358

67.7063, 82.1715,
66.9358

441.8478,
502.2212, 468.2115

49.9316, 61.5069,
48.5712

114.9761,
136.4145, 116.4682

35.5767, 44.6344,
33.9162

145.2020,
170.7617, 148.4730

24.2760, 31.1695,
22.5524

180.3089,
210.4385, 185.8617

15.6643, 20.7280,
14.0612

220.6623,
255.8293, 229.0528

9.3763, 12.9253,
8.0240

266.6276,
307.3187, 278.4647

5.0465, 7.3771,
4.0223

318.5700,

2.3096, 3.6991,

365.2908, 334.5162

1.6376

376.8549,
430.1302, 397.6256

■ 0.7996, 1.5067,
0.3174

■ 0.0000, 0.2934,
0.0000

■ 67.7063, 82.1715,
66.9358

■ 67.7063, 82.1715,
66.9358

■ 59.2947, 78.1423,
52.7740

■ 77.4998, 86.8648,
83.5609

■ 52.1965, 74.7373,
40.9533

■ 88.7266, 92.2393,
102.7527

■ 46.3473, 71.9285,
31.3492

■ 91.9441, 93.7881,
107.8647

■ 41.6747, 69.6814,
23.8237

■ 38.0987, 67.9582,
18.2232

■ 35.5295, 66.7163,
14.3729

■ 33.8628, 65.9064,
12.0666

■ 32.9656, 65.4662,
11.0136

■ 32.8734, 65.4212,
10.8950

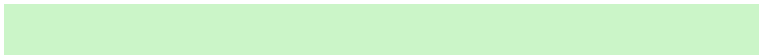
Harmonies

Analogous

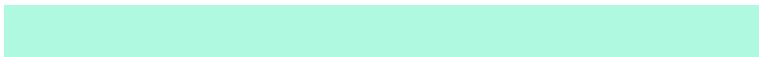
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0983, 82.1715, 57.3140



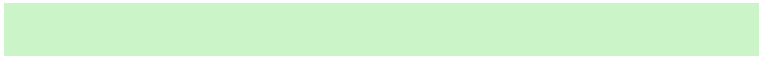
67.7063, 82.1715, 66.9358



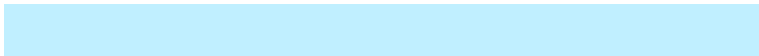
65.1385, 82.1715, 83.7652

Triad

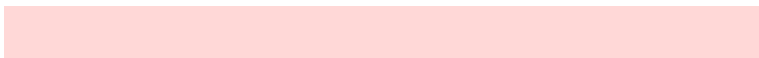
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7063, 82.1715, 66.9358



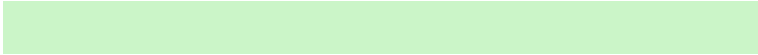
76.0831, 82.1715, 134.9275



91.7582, 82.1715, 75.6092

Complementary

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



67.7063, 82.1715, 66.9358



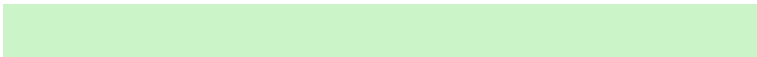
73.7572, 66.7808, 95.3932

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.



92.6796, 82.1715, 95.4297



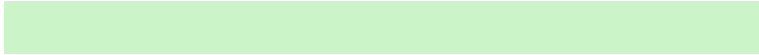
67.7063, 82.1715, 66.9358



83.3280, 82.1715, 131.8452

Square

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



67.7063, 82.1715, 66.9358



69.7756, 82.1715, 124.4371



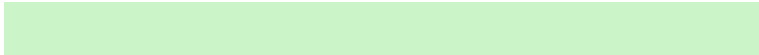
89.5098, 82.1715, 116.5688



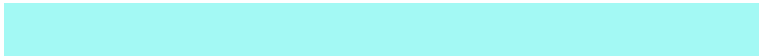
87.0648, 82.1715, 61.7575

Rectangle

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



67.7063, 82.1715, 66.9358



65.2565, 82.1715, 97.7046



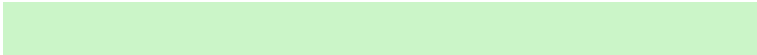
89.5098, 82.1715, 116.5688



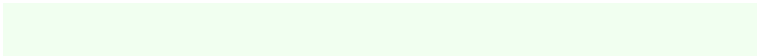
92.5304, 82.1715, 81.7131

Sweetspot

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



67.7085, 82.1750, 66.9376



87.6236, 96.4449, 96.2021



79.8374, 87.0911, 67.2472



18.5895, 20.5639, 20.3087



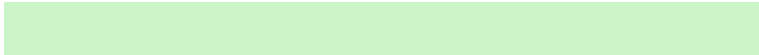
0.0000, 0.0000, 0.0000



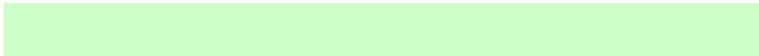
20.3446, 21.4041, 23.3091

Same Dimension

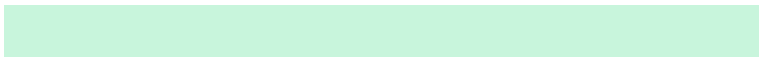
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7085, 82.1750, 66.9376



70.5874, 88.2847, 67.2923



69.3266, 82.7288, 79.6803



16.3844, 18.5247, 17.5096



17.7479, 35.2622, 5.8709



1.5950, 3.1173, 0.5176

Inverse Universe

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



73.7572, 66.7808, 95.3932



78.3284, 68.5787, 103.7164



71.9723, 66.1868, 80.5772



17.0982, 16.7088, 20.8665



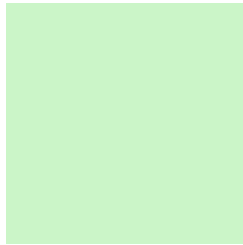
26.2778, 12.5210, 47.5698



2.3418, 1.1171, 4.1824

Previews

White Background



This preview shows how the XYZ color 67.7063, 82.1715, 66.9358 looks on a white background.

Color Contrast Check

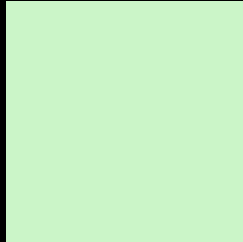
Large Text (above 18pt) WCAG AA × Fail

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 67.7063, 82.1715, 66.9358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

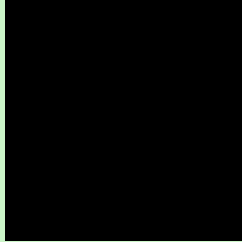
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

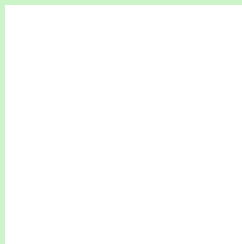
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7063, 82.1715, 66.9358

Background



This preview shows how black text looks on a background with the XYZ color 67.7063, 82.1715, 66.9358.



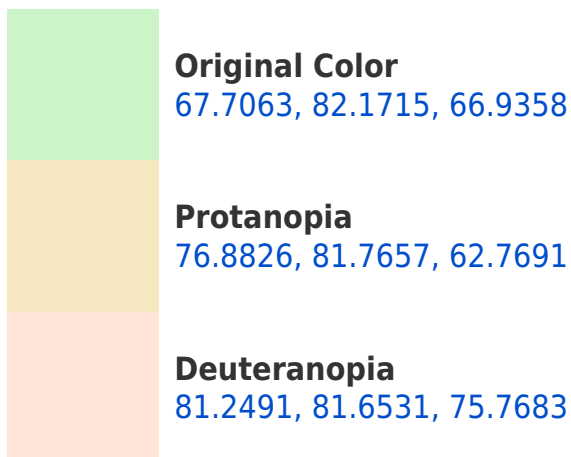
This preview shows how white text looks on a background with the XYZ color 67.7063, 82.1715,

66.9358.

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





Tritanopia

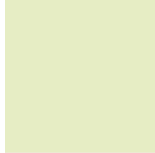
76.0657, 82.0845, 106.4425

Trichromacy



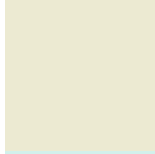
Original Color

67.7063, 82.1715, 66.9358



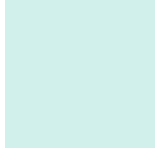
Protanomaly

72.8811, 81.3769, 64.0906



Deuteranomaly

75.6477, 81.3316, 72.6843



Tritanomaly

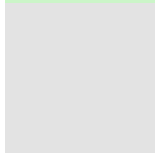
72.7338, 82.0200, 90.5952

Monochromacy



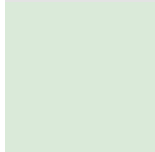
Original Color

67.7063, 82.1715, 66.9358



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.8606, 78.7608, 77.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7063, 82.1715, 66.9358 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(203, 245, 200)` looks like.

```
.text, #text, p{  
    color:rgb(203, 245, 200)  
}
```

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(203, 245, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 245, 200) }
```

Border

The CSS property to change the border of an element to XYZ 67.7063, 82.1715, 66.9358 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(203, 245, 200) }
```


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

```
.border{ border-color:rgb(203, 245, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 245, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 245, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 245, 200);  
box-shadow:4px 4px 4px 4px rgb(203, 245,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7063, 82.1715, 66.9358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 245, 200) }
```

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

```
.background{ background-color: rgb(203,  
245, 200) }
```

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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