

Converting Colors

XYZ(68.5811, 84.9038, 67.4177)

Have a look what the booklet for
XYZ(68.5811, 84.9038, 67.4177)
contains.

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Color

**XYZ(68.6983, 84.9589,
67.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FAC8
RGB	201, 250, 200
RGB Percent	79%, 98%, 78%
CMY	0.2118, 0.0196, 0.2157
CMYK	0.20, 0.00, 0.20, 0.02
HSL	119°, 83%, 88%
HSV	119°, 20%, 98%
XYZ	68.6983, 84.9589, 67.4215
YIQ	229.6490, -13.1540, -25.9380

Conversions

Conversions Part 2

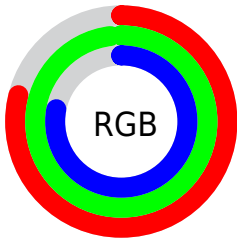
Format	Color
R_{YB}	200, 250, 249
Decimal	13236936
CIE _{Lab}	93.87, -24.84, 18.96
CIE _{LCh}	94, 31.247, 142.654
Yxy	84.9589, 0.3107, 0.3843
Android (android.graphics.Color)	4291427016 (0xFFC9FAC8)
YUV	229.6490, -14.6170, -25.1252
Hunter-Lab	92.1732, -28.2638, 21.1526

Details

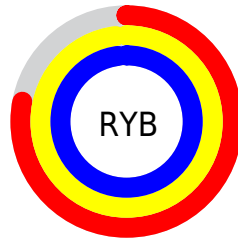
The XYZ color **68.6983, 84.9589, 67.4215** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.9802, 68.3529, 99.5831**, and the grayscale version is **75.0678, 78.9772, 86.0062**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1123, 46.3262, 34.2327** is the 20% darker color. If you saturate the color by 10%, you get **59.9431, 80.7583, 52.9868**, and if you desaturate by 10%, it is **78.9864, 89.8994, 84.4254**.

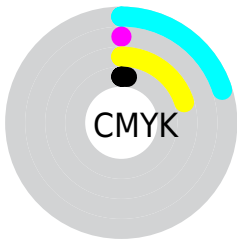
Distribution



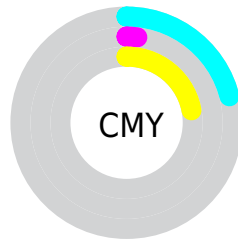
- Red (79%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (98%)



- Cyan (20%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)



- Cyan (21%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6983, 84.9589, 67.4215 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 68.6983, 84.9589, 67.4215 by changing the saturation by 10% instead.

68.6983, 84.9589,
67.4215

68.6983, 84.9589,
67.4215

445.3042,
511.4921, 469.9859

50.7418, 63.8074,
48.9635

116.3870,
140.3158, 117.1705

36.2234, 46.4947,
34.2251

146.8499,
175.2899, 149.2987

24.7777, 32.6364,
22.7878

182.2123,
215.6404, 186.8206

16.0393, 21.8480,
14.2331

222.8395,
261.7517, 230.1548

9.6430, 13.7453,
8.1424

269.0970,
314.0081, 279.7199

5.2234, 7.9437,
4.0971

321.3500,

2.4150, 4.0590,

372.7940, 335.9345

1.6788

379.9640,
438.4939, 399.2169

■ 0.8526, 1.7066,
0.3461

■ 0.0000, 0.4279,
0.0000

■ 68.6983, 84.9589,
67.4215

■ 68.6983, 84.9589,
67.4215

■ 59.9431, 80.7583,
52.9868

■ 78.9864, 89.8994,
84.4254

■ 52.6411, 77.2520,
40.9912

■ 90.8686, 95.6016,
104.1088

■ 46.7157, 74.4057,
31.3017

■ 93.4773, 96.8546,
108.3758

■ 42.0807, 72.1781,
23.7705

■ 38.6399, 70.5233,
18.2323

■ 36.2840, 69.3890,
14.4985

■ 34.8835, 68.7133,
12.3440

■ 34.2498, 68.4069,
11.3987

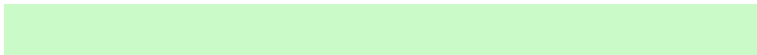
Harmonies

Analogous

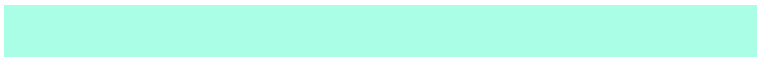
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7493, 84.9589, 56.3640



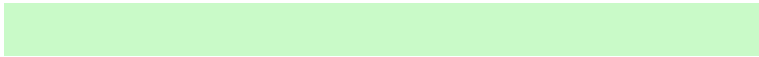
68.6983, 84.9589, 67.4215



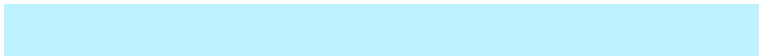
65.9124, 84.9589, 86.7751

Triad

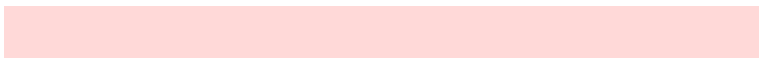
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6983, 84.9589, 67.4215



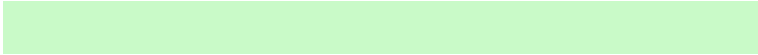
78.7243, 84.9589, 145.7418



96.4187, 84.9589, 75.9701

Complementary

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



68.6983, 84.9589, 67.4215



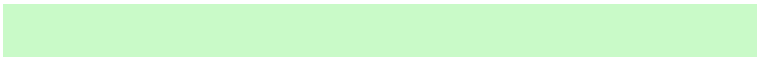
76.9802, 68.3529, 99.5831

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.



97.6643, 84.9589, 98.4834



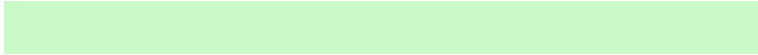
68.6983, 84.9589, 67.4215



87.0654, 84.9589, 141.5101

Square

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



68.6983, 84.9589, 67.4215



71.4372, 84.9589, 133.8804



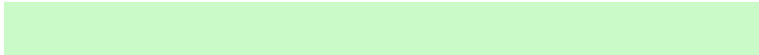
94.1366, 84.9589, 123.1480



90.8409, 84.9589, 60.6764

Rectangle

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



68.6983, 84.9589, 67.4215



66.1371, 84.9589, 102.9009



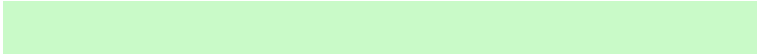
94.1366, 84.9589, 123.1480



97.3728, 84.9589, 82.8354

Sweetspot

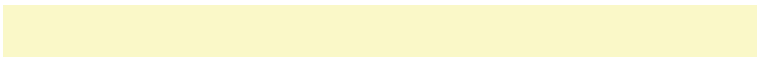
The Sweet Spot groups the original color and five complimentary colors.



68.7006, 84.9625, 67.4234



87.3807, 96.3197, 96.1907



83.5235, 91.8385, 67.9693



18.5323, 20.5344, 20.3060



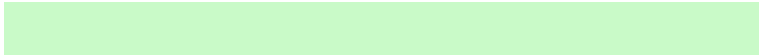
0.0000, 0.0000, 0.0000



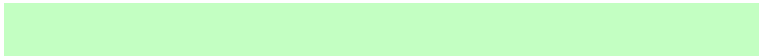
20.3446, 21.4041, 23.3091

Same Dimension

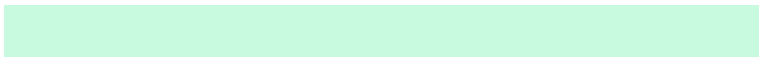
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7006, 84.9625, 67.4234



67.9867, 87.0112, 64.1328



71.3721, 86.0002, 82.8885



17.0494, 19.3257, 18.2940



18.1803, 36.2906, 6.0466



1.6947, 3.3668, 0.5605

Inverse Universe

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



76.9802, 68.3529, 99.5831



78.0889, 66.7435, 103.3748



73.9008, 67.1624, 81.5035



17.9567, 17.5059, 21.8178



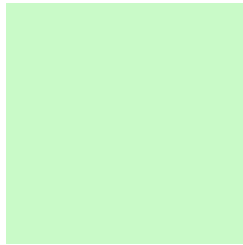
29.1435, 13.9667, 49.1334



2.7098, 1.2990, 4.5511

Previews

White Background



This preview shows how the XYZ color 68.6983, 84.9589, 67.4215 looks on a white background.

Color Contrast Check

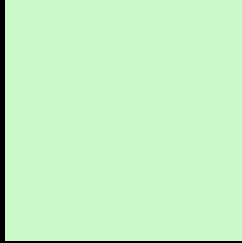
Large Text (above 18pt) WCAG AA × Fail

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 68.6983, 84.9589, 67.4215 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

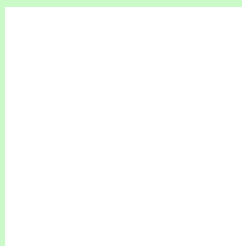
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6983, 84.9589, 67.4215

Background



This preview shows how black text looks on a background with the XYZ color 68.6983, 84.9589, 67.4215.



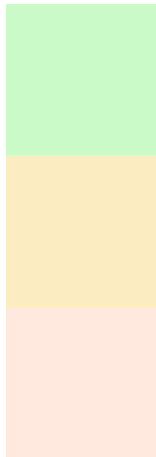
This preview shows how white text looks on a background with the XYZ color 68.6983, 84.9589,

67.4215.

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

68.6983, 84.9589, 67.4215

Protanopia

79.4048, 84.3504, 62.5483

Deuteranopia

83.1478, 84.1937, 80.2753



Tritanopia

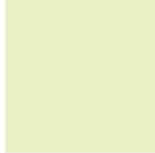
78.1235, 84.4456, 106.7898

Trichromacy



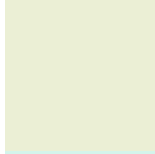
Original Color

68.6983, 84.9589, 67.4215



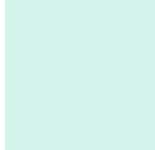
Protanomaly

75.0234, 84.2198, 64.5264



Deuteranomaly

77.1377, 84.1993, 75.1373



Tritanomaly

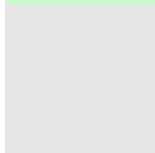
74.4975, 84.6966, 91.0189

Monochromacy



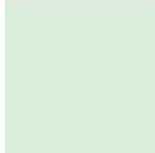
Original Color

68.6983, 84.9589, 67.4215



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.2838, 80.7429, 78.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6983, 84.9589, 67.4215 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(201, 250, 200)` looks like.

```
.text, #text, p{  
    color:rgb(201, 250, 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(201, 250, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 250, 200) }
```

Border

The CSS property to change the border of an element to XYZ 68.6983, 84.9589, 67.4215 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(201, 250, 200) }
```


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

```
.border{ border-color:rgb(201, 250, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 250, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(201, 250,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6983, 84.9589, 67.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 250, 200) }
```

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

```
.background{ background-color: rgb(201,  
250, 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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