

Converting Colors

XYZ(67.9056, 83.9675, 62.8799)

Have a look what the booklet for
XYZ(67.9056, 83.9675, 62.8799)
contains.

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Color

**XYZ(68.1299, 84.2981,
63.1324)**

Conversions

Conversions Part 1

Format	Color
Hex	CBF9C1
RGB	203, 249, 193
RGB Percent	80%, 98%, 76%
CMY	0.2039, 0.0235, 0.2431
CMYK	0.18, 0.00, 0.22, 0.02
HSL	109°, 82%, 87%
HSV	109°, 22%, 98%
XYZ	68.1299, 84.2981, 63.1324
YIQ	228.8620, -9.4400, -27.1680

Conversions

Conversions Part 2

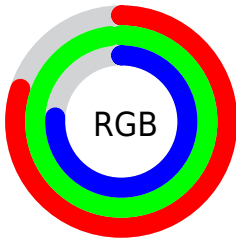
Format	Color
RYB	193, 249, 239
Decimal	13367745
CIELab	93.58, -24.85, 22.16
CIELCh	94, 33.294, 138.280
Yxy	84.2981, 0.3161, 0.3911
Android (android.graphics.Color)	4291557825 (0xFFC9F9C1)
YUV	228.8620, -17.6800, -22.6810
Hunter-Lab	91.8140, -28.2199, 23.5013

Details

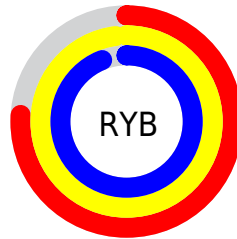
The XYZ color **68.1299, 84.2981, 63.1324** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7689, 63.3326, 98.0687**, and the grayscale version is **74.5074, 78.3876, 85.3641**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **35.7226, 45.8593, 31.3950** is the 20% darker color. If you saturate the color by 10%, you get **60.3754, 80.5974, 49.4702**, and if you desaturate by 10%, it is **77.0916, 88.5720, 79.2959**.

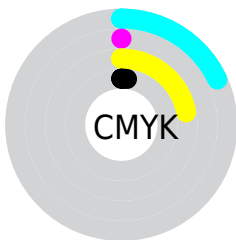
Distribution



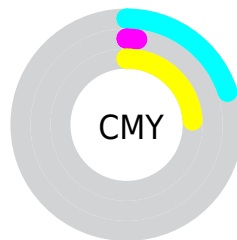
- Red (80%)
- Green (98%)
- Blue (76%)



- Red (76%)
- Yellow (98%)
- Blue (94%)



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)



- Cyan (20%)
- Magenta (2%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1299, 84.2981, 63.1324 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 68.1299, 84.2981, 63.1324 by changing the saturation by 10% instead.

68.1299, 84.2981,
63.1324

68.1299, 84.2981,
63.1324

443.3256,
509.3026, 454.1710

50.2775, 63.2616,
45.5066

115.5788,
139.3921, 110.9479

35.8526, 46.0529,
31.5108

145.9061,
174.2184, 141.9748

24.4900, 32.2875,
20.7264

181.1223,
214.4100, 178.3057

15.8242, 21.5812,
12.7349

221.5929,
260.3514, 220.3593

9.4899, 13.5495,
7.1177

267.6831,
312.4270, 268.5541

5.1217, 7.8080,
3.4562

319.7584,

2.3544, 3.9723,

371.0211, 323.3086

1.3320

378.1842,
436.5182, 385.0414

■ 0.8223, 1.6581,
0.0878

■ 0.0000, 0.3963,
0.0000

■ 68.1299, 84.2981,
63.1324

■ 68.1299, 84.2981,
63.1324

■ 60.3754, 80.5974,
49.4702

■ 77.0916, 88.5720,
79.2959

■ 53.7694, 77.4349,
38.1790

■ 87.3025, 93.4310,
98.0710

■ 48.2584, 74.7886,
29.1255

■ 93.1673, 96.2347,
108.2724

■ 43.7816, 72.6302,
22.1606

■ 40.2724, 70.9292,
17.1172

■ 37.6558, 69.6509,
13.8028

■ 35.8448, 68.7557,
11.9846

■ 34.9358, 68.3004,
11.3420

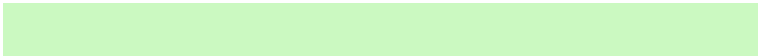
Harmonies

Analogous

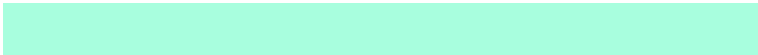
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9250, 84.2981, 52.9901



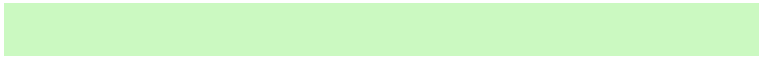
68.1299, 84.2981, 63.1324



64.6513, 84.2981, 82.2778

Triad

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



68.1299, 84.2981, 63.1324



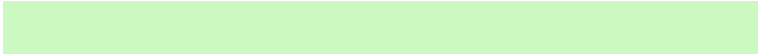
76.7300, 84.2981, 147.9693



97.3121, 84.2981, 77.3920

Complementary

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



68.1299, 84.2981, 63.1324



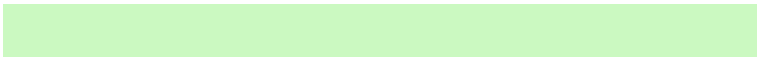
71.7689, 63.3326, 98.0687

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.



97.8844, 84.2981, 102.0005



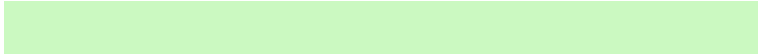
68.1299, 84.2981, 63.1324



85.5556, 84.2981, 146.0024

Square

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



68.1299, 84.2981, 63.1324



69.3677, 84.2981, 132.9782



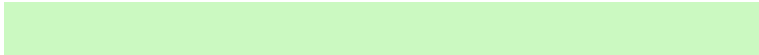
93.4465, 84.2981, 128.0146



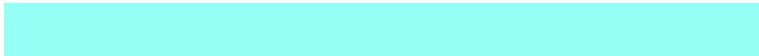
91.9358, 84.2981, 60.1224

Rectangle

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



68.1299, 84.2981, 63.1324



64.4983, 84.2981, 98.9529



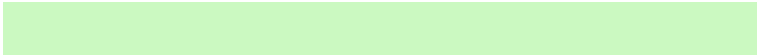
93.4465, 84.2981, 128.0146



98.0864, 84.2981, 84.9743

Sweetspot

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



68.1321, 84.3017, 63.1342



87.1177, 96.2275, 94.2179



79.4846, 85.5709, 62.7809



18.5071, 20.5302, 19.9095



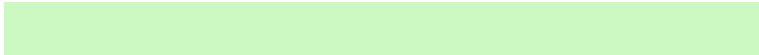
0.0000, 0.0000, 0.0000



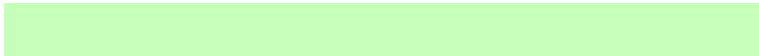
20.3446, 21.4041, 23.3091

Same Dimension

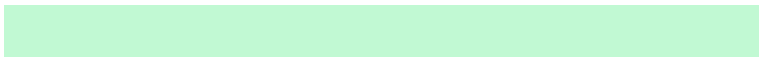
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1321, 84.3017, 63.1342



68.0444, 87.1376, 59.7709



67.5951, 83.7824, 74.0639



17.3063, 19.4582, 18.3061



18.7827, 36.6011, 6.0748



1.8165, 3.4295, 0.5662

Inverse Universe

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



71.7689, 63.3326, 98.0687



72.5018, 61.4037, 102.6386



72.6014, 64.0665, 84.3417



17.6712, 17.3587, 21.8045



22.6721, 10.6306, 48.8305



2.1766, 1.0242, 4.5261

Previews

White Background



This preview shows how the XYZ color 68.1299, 84.2981, 63.1324 looks on a white background.

Color Contrast Check

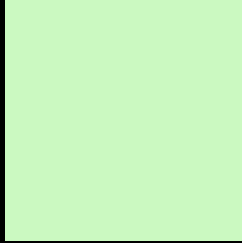
Large Text (above 18pt) WCAG AA × Fail

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 68.1299, 84.2981, 63.1324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

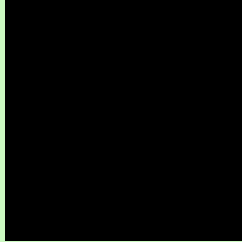
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

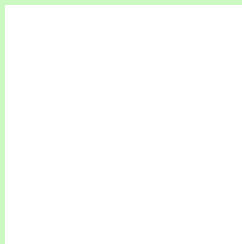
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1299, 84.2981, 63.1324

Background



This preview shows how black text looks on a background with the XYZ color 68.1299, 84.2981, 63.1324.



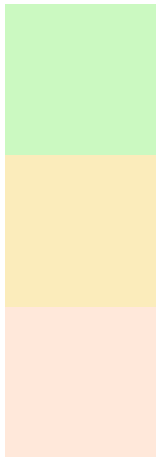
This preview shows how white text looks on a background with the XYZ color 68.1299, 84.2981, 63.1324.

63.1324.

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

68.1299, 84.2981, 63.1324

Protanopia

78.7488, 84.0880, 59.0938

Deuteranopia

82.7515, 84.0352, 78.1886



Tritanopia

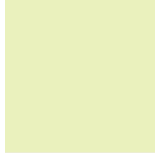
77.8299, 83.8584, 106.6920

Trichromacy



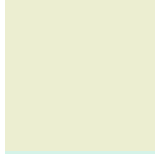
Original Color

68.1299, 84.2981, 63.1324



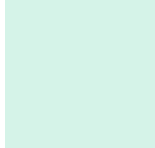
Protanomaly

74.5723, 84.0771, 60.4422



Deuteranomaly

76.6752, 83.5854, 72.4140



Tritanomaly

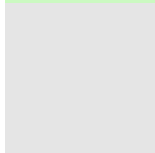
74.0567, 84.0735, 88.6685

Monochromacy



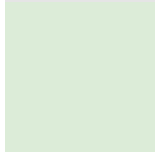
Original Color

68.1299, 84.2981, 63.1324



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.9053, 80.1644, 76.6492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1299, 84.2981, 63.1324 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, 249, 193)` looks like.

```
.text, #text, p{  
    color:rgb(203, 249, 193)  
}
```

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, 249, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 249, 193) }
```

Border

The CSS property to change the border of an element to XYZ 68.1299, 84.2981, 63.1324 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, 249, 193) }
```


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

```
.border{ border-color:rgb(203, 249, 193) }
```

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

Here you see how a box with a 4 pixel rgb(203, 249, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 249, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 249, 193);  
box-shadow:4px 4px 4px 4px rgb(203, 249,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1299, 84.2981, 63.1324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 249, 193) }
```

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

```
.background{ background-color: rgb(203,  
249, 193) }
```

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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