

Converting Colors

XYZ(68.2397, 81.1368, 65.4904)

Have a look what the booklet for
XYZ(68.2397, 81.1368, 65.4904)
contains.

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Color

**XYZ(68.2397, 81.1368,
65.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F2C6
RGB	209, 242, 198
RGB Percent	82%, 95%, 78%
CMY	0.1804, 0.0510, 0.2235
CMYK	0.14, 0.00, 0.18, 0.05
HSL	105°, 63%, 86%
HSV	105°, 18%, 95%
XYZ	68.2397, 81.1368, 65.4904
YIQ	227.1170, -5.5440, -20.6800

Conversions

Conversions Part 2

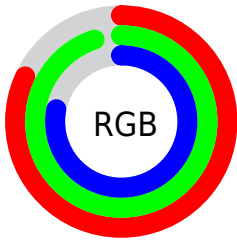
Format	Color
RYB	198, 242, 231
Decimal	13759174
CIELab	92.19, -18.63, 17.71
CIELCh	92, 25.708, 136.445
Yxy	81.1368, 0.3176, 0.3776
Android (android.graphics.Color)	4291949254 (0xFFD1F2C6)
YUV	227.1170, -14.3547, -15.8886
Hunter-Lab	90.0760, -22.4050, 19.9459

Details

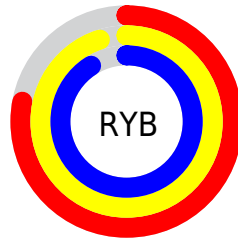
The XYZ color **68.2397, 81.1368, 65.4904** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.1793, 63.7901, 92.6752**, and the grayscale version is **73.2047, 77.0170, 83.8716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9194, 44.0015, 32.9855** is the 20% darker color. If you saturate the color by 10%, you get **60.8225, 77.6127, 51.7180**, and if you desaturate by 10%, it is **76.6924, 85.1480, 81.6427**.

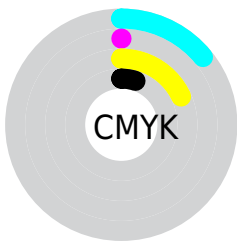
Distribution



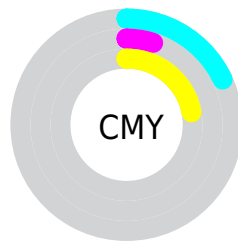
- Red (82%)
- Green (95%)
- Blue (78%)



- Red (78%)
- Yellow (95%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)



- Cyan (18%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2397, 81.1368, 65.4904 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 68.2397, 81.1368, 65.4904 by changing the saturation by 10% instead.

68.2397, 81.1368,
65.4904

68.2397, 81.1368,
65.4904

443.7082,
498.7557, 462.9065

50.3672, 60.6543,
47.4050

115.7350,
134.9628, 114.3746

35.9242, 43.9462,
32.9993

146.0885,
169.0751, 146.0105

24.5455, 30.6282,
21.8548

181.3330,
208.4995, 183.0003

15.8657, 20.3159,
13.5529

221.8339,
253.6203, 225.7625

9.5194, 12.6249,
7.6752

267.9565,
304.8219, 274.7157

5.1413, 7.1708,
3.8031

320.0662,

2.3660, 3.5691,

362.4887, 330.2784

1.5179

378.5283,
427.0052, 392.8692

■ 0.8281, 1.4356,
0.2312

■ 0.0000, 0.2427,
0.0000

■ 68.2397, 81.1368,
65.4904

■ 68.2397, 81.1368,
65.4904

■ 60.8225, 77.6127,
51.7180

■ 76.6924, 85.1480,
81.6427

■ 54.3937, 74.5466,
40.2080

■ 86.2125, 89.6532,
100.2744

■ 48.9119, 71.9223,
30.8409

■ 91.0437, 91.9875,
107.5646

■ 44.3303, 69.7185,
23.4839

■ 40.5978, 67.9120,
17.9896

■ 37.6576, 66.4774,
14.1906

■ 35.4453, 65.3855,
11.8890

■ 33.8786, 64.6001,
10.8098

■ 33.6471, 64.4836,
10.6732

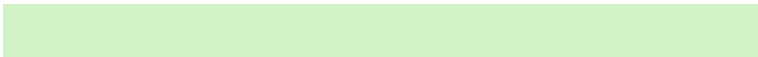
Harmonies

Analogous

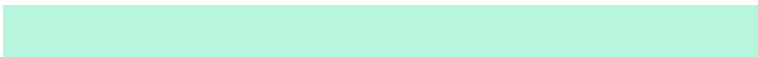
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5637, 81.1368, 57.7391



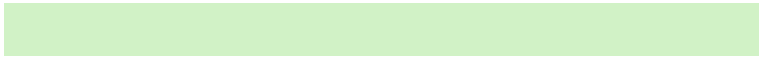
68.2397, 81.1368, 65.4904



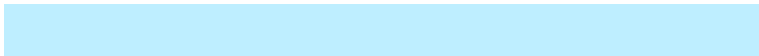
65.3722, 81.1368, 80.0567

Triad

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



68.2397, 81.1368, 65.4904



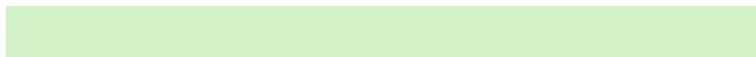
74.1673, 81.1368, 128.8221



90.0082, 81.1368, 78.4023

Complementary

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



68.2397, 81.1368, 65.4904



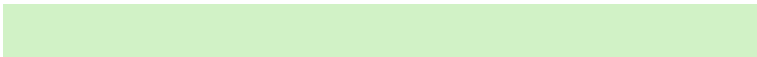
69.1793, 63.7901, 92.6752

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.



90.1928, 81.1368, 97.1847



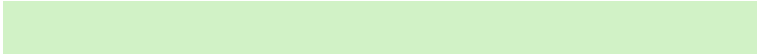
68.2397, 81.1368, 65.4904



80.7852, 81.1368, 128.2101

Square

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



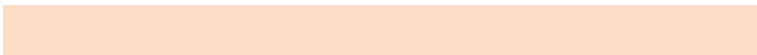
68.2397, 81.1368, 65.4904



68.6597, 81.1368, 117.5465



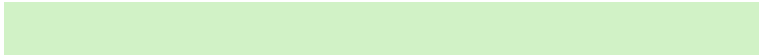
86.7350, 81.1368, 115.9780



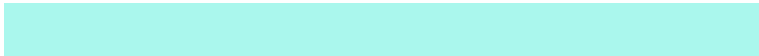
86.2441, 81.1368, 64.4295

Rectangle

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



68.2397, 81.1368, 65.4904



65.1265, 81.1368, 92.5077



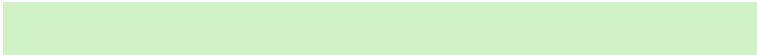
86.7350, 81.1368, 115.9780



90.4981, 81.1368, 84.3075

Sweetspot

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



68.2419, 81.1403, 65.4922



89.6335, 97.4370, 98.2844



75.3903, 80.1099, 64.9165



19.0276, 20.7809, 20.7299



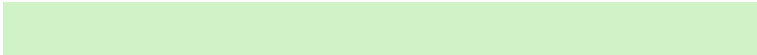
0.0000, 0.0000, 0.0000



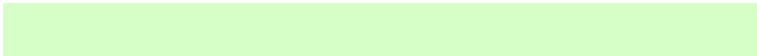
20.3446, 21.4041, 23.3091

Same Dimension

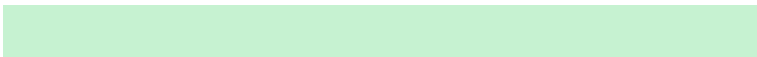
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2419, 81.1403, 65.4922



73.4754, 89.7735, 67.4274



66.5519, 80.1171, 72.2799



15.9361, 17.8472, 16.7547



18.1794, 34.6934, 5.7383



1.6005, 2.9316, 0.4815

Inverse Universe

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



69.1793, 63.7901, 92.6752



74.7182, 66.7176, 103.5474



71.2388, 65.0370, 84.4034



16.0459, 15.8209, 19.9296



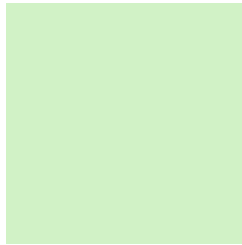
19.0426, 8.8222, 45.8271



1.6743, 0.7804, 3.8166

Previews

White Background



This preview shows how the XYZ color 68.2397, 81.1368, 65.4904 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 68.2397, 81.1368, 65.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

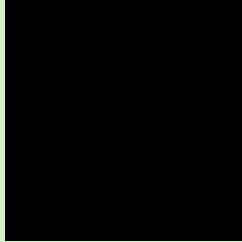
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

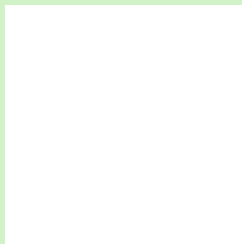
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2397, 81.1368, 65.4904

Background



This preview shows how black text looks on a background with the XYZ color 68.2397, 81.1368, 65.4904.



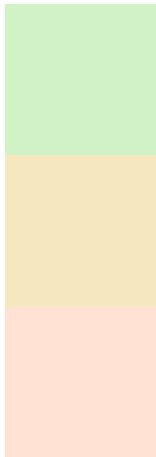
This preview shows how white text looks on a background with the XYZ color 68.2397, 81.1368,

65.4904.

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

68.2397, 81.1368, 65.4904

Protanopia

76.1384, 80.9760, 62.0691

Deuteranopia

80.3200, 80.4062, 73.5740



Tritanopia

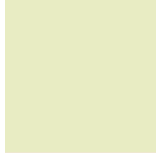
76.0659, 80.8429, 104.5236

Trichromacy



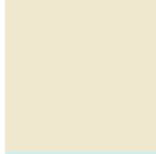
Original Color

68.2397, 81.1368, 65.4904



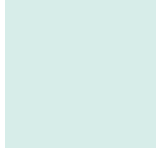
Protanomaly

73.1245, 81.0868, 63.4270



Deuteranomaly

75.3790, 80.3954, 70.5764



Tritanomaly

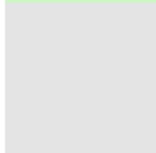
73.0165, 80.8986, 88.8574

Monochromacy



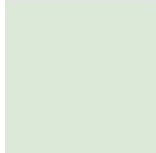
Original Color

68.2397, 81.1368, 65.4904



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.7665, 77.8867, 76.2696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2397, 81.1368, 65.4904 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(209, 242, 198)` looks like.

```
.text, #text, p{  
    color:rgb(209, 242, 198)  
}
```

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(209, 242, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 242, 198) }
```

Border

The CSS property to change the border of an element to XYZ 68.2397, 81.1368, 65.4904 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(209, 242, 198) }
```


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

```
.border{ border-color:rgb(209, 242, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 242, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 242, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 242, 198);  
box-shadow:4px 4px 4px 4px rgb(209, 242,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2397, 81.1368, 65.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 242, 198) }
```

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

```
.background{ background-color: rgb(209,  
242, 198) }
```

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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