

Converting Colors

XYZ(68.5976, 80.9028, 75.1004)

Have a look what the booklet for
XYZ(68.5976, 80.9028, 75.1004)
contains.

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Color

**XYZ(68.6642, 81.1457,
74.9945)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF2D5
RGB	204, 242, 213
RGB Percent	80%, 95%, 84%
CMY	0.2000, 0.0510, 0.1647
CMYK	0.16, 0.00, 0.12, 0.05
HSL	134°, 59%, 87%
HSV	134°, 16%, 95%
XYZ	68.6642, 81.1457, 74.9945
YIQ	227.3320, -13.3390, -17.0750

Conversions

Conversions Part 2

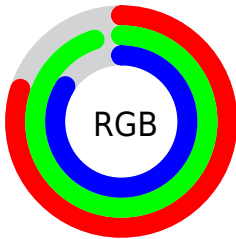
Format	Color
RYB	204, 235, 242
Decimal	13431509
CIELab	92.20, -17.72, 9.92
CIELCh	92, 20.309, 150.760
Yxy	81.1457, 0.3054, 0.3610
Android (android.graphics.Color)	4291621589 (0xFFCCCF2D5)
YUV	227.3320, -7.0657, -20.4622
Hunter-Lab	90.0809, -21.5799, 13.6963

Details

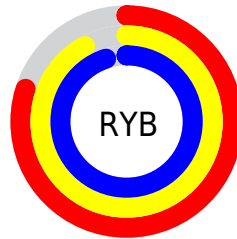
The XYZ color **68.6642, 81.1457, 74.9945** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.9216, 67.9481, 86.3664**, and the grayscale version is **73.3139, 77.1320, 83.9967**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1249, 43.9760, 38.9320** is the 20% darker color. If you saturate the color by 10%, you get **60.3273, 77.1058, 63.0565**, and if you desaturate by 10%, it is **78.3032, 85.8306, 88.3905**.

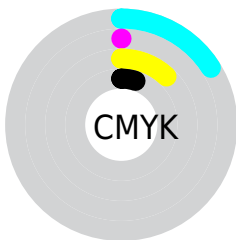
Distribution



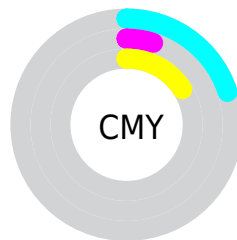
- Red (80%)
- Green (95%)
- Blue (84%)



- Red (80%)
- Yellow (92%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6642, 81.1457, 74.9945 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 68.6642, 81.1457, 74.9945 by changing the saturation by 10% instead.

68.6642, 81.1457,
74.9945

68.6642, 81.1457,
74.9945

445.1856,
498.7856, 497.1536

50.7139, 60.6616,
55.1067

116.3385,
134.9753, 128.0516

36.2011, 43.9521,
39.0880

146.7933,
169.0897, 162.0580

24.7604, 30.6329,
26.5198

182.1469,
208.5162, 201.6076

16.0264, 20.3195,
16.9837

222.7648,
253.6393, 247.1190

9.6338, 12.6275,
10.0610

269.0122,
304.8434, 299.0108

5.2172, 7.1725,
5.3333

321.2546,

2.4113, 3.5702,

362.5129, 357.7015

2.3820

379.8573,
427.0321, 423.6095

■ 0.8508, 1.4362,
0.7766

■ 0.0000, 0.2432,
0.0000

■ 68.6642, 81.1457,
74.9945

■ 68.6642, 81.1457,
74.9945

■ 60.3273, 77.1058,
63.0565

■ 78.3032, 85.8306,
88.3905

■ 53.2296, 73.6726,
52.5220

■ 89.2905, 91.1764,
103.2860

■ 47.3125, 70.8193,
43.3409

■ 91.0437, 91.9874,
107.5646

■ 42.5105, 68.5133,
35.4580

■ 38.7510, 66.7184,
28.8143

■ 35.9529, 65.3940,
23.3464

■ 34.0224, 64.4934,
18.9850

■ 32.8452, 63.9590,
15.6531

■ 32.5000, 63.8059,
14.5149

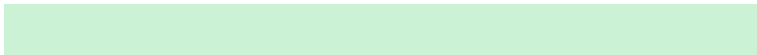
Harmonies

Analogous

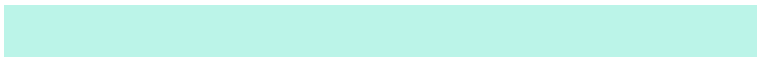
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0871, 81.1457, 65.8041



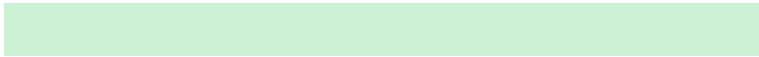
68.6642, 81.1457, 74.9945



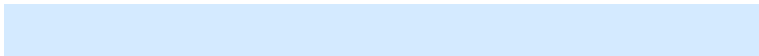
67.4837, 81.1457, 88.7373

Triad

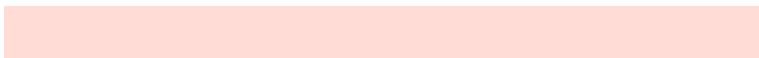
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6642, 81.1457, 74.9945



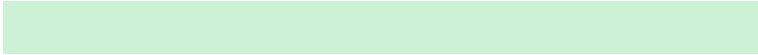
77.2603, 81.1457, 120.4635



86.1131, 81.1457, 74.4015

Complementary

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



68.6642, 81.1457, 74.9945



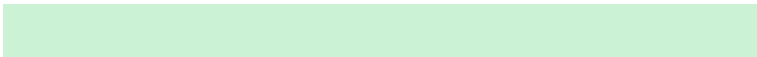
72.9216, 67.9481, 86.3664

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.



87.6468, 81.1457, 87.9715



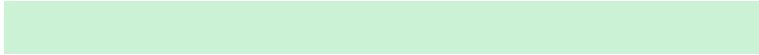
68.6642, 81.1457, 74.9945



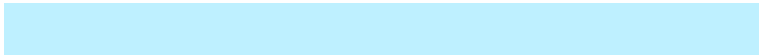
82.3956, 81.1457, 115.5434

Square

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



68.6642, 81.1457, 74.9945



72.3087, 81.1457, 116.0019



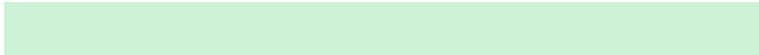
86.2571, 81.1457, 103.2124



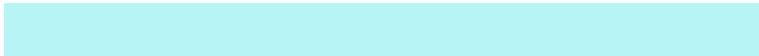
82.1538, 81.1457, 65.4899

Rectangle

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



68.6642, 81.1457, 74.9945



68.0832, 81.1457, 98.9823



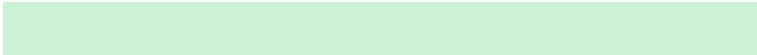
86.2571, 81.1457, 103.2124



86.9373, 81.1457, 78.5148

Sweetspot

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



68.6664, 81.1491, 74.9963



88.9864, 97.0506, 100.6447



76.3022, 85.2139, 69.5541



18.8710, 20.6873, 21.3011



0.0000, 0.0000, 0.0000



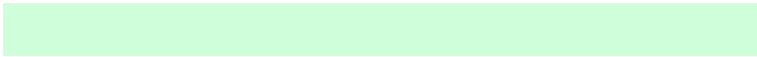
20.3446, 21.4041, 23.3091

Same Dimension

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



68.6664, 81.1491, 74.9963



74.0246, 89.7839, 79.7749



71.2031, 82.1638, 88.3542



15.7193, 17.7177, 17.5448



17.5024, 34.2930, 8.0288



1.4935, 2.8679, 0.8653

Inverse Universe

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



72.9216, 67.9481, 86.3664



79.7011, 72.1708, 94.9405



70.3679, 66.9266, 72.9187



16.2848, 15.9636, 19.0562



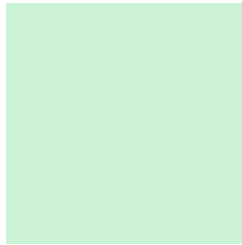
24.4138, 12.0380, 25.8935



2.0691, 1.0167, 2.3548

Previews

White Background



This preview shows how the XYZ color 68.6642, 81.1457, 74.9945 looks on a white background.

Color Contrast Check

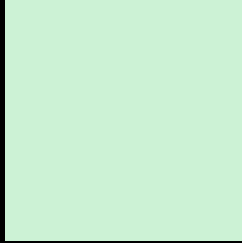
Large Text (above 18pt) WCAG AA × Fail

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 68.6642, 81.1457, 74.9945 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

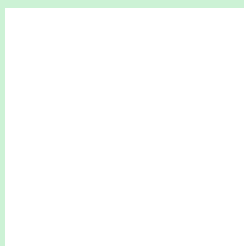
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.6642, 81.1457, 74.9945

Background



This preview shows how black text looks on a background with the XYZ color 68.6642, 81.1457, 74.9945.



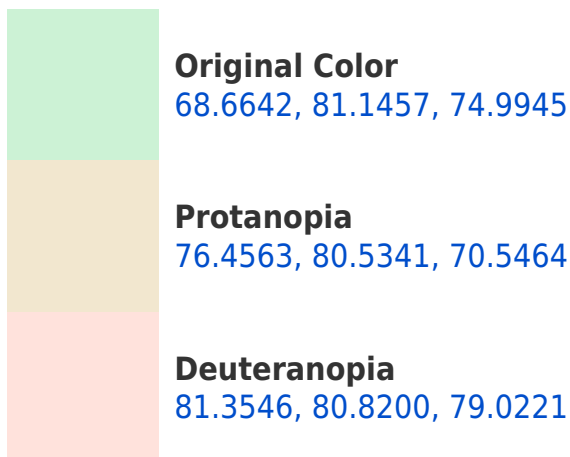
This preview shows how white text looks on a background with the XYZ color 68.6642, 81.1457,

74.9945.

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

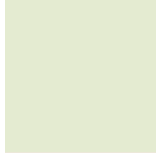
74.9094, 81.0598, 106.3057

Trichromacy



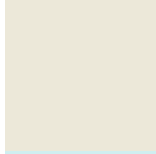
Original Color

68.6642, 81.1457, 74.9945



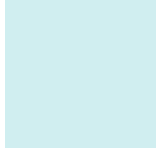
Protanomaly

73.2119, 80.5141, 72.0037



Deuteranomaly

75.9731, 80.5558, 77.1903



Tritanomaly

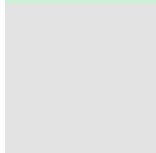
72.3151, 80.8502, 94.2323

Monochromacy



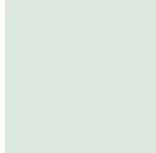
Original Color

68.6642, 81.1457, 74.9945



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

71.2548, 78.0472, 80.4163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.6642, 81.1457, 74.9945 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(204, 242, 213)` looks like.

```
.text, #text, p{  
    color:rgb(204, 242, 213)  
}
```

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(204, 242, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 242, 213) }
```

Border

The CSS property to change the border of an element to XYZ 68.6642, 81.1457, 74.9945 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(204, 242, 213) }
```


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

```
.border{ border-color:rgb(204, 242, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 242, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 242, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 242, 213);  
box-shadow:4px 4px 4px 4px rgb(204, 242,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 68.6642, 81.1457, 74.9945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 242, 213) }
```

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

```
.background{ background-color: rgb(204,  
242, 213) }
```

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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