

Converting Colors

XYZ(67.7631, 81.6555, 75.4098)

Have a look what the booklet for
XYZ(67.7631, 81.6555, 75.4098)
contains.

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Color

**XYZ(67.6496, 81.5112,
75.1185)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F4D5
RGB	198, 244, 213
RGB Percent	78%, 96%, 84%
CMY	0.2235, 0.0431, 0.1647
CMYK	0.19, 0.00, 0.13, 0.04
HSL	140°, 68%, 87%
HSV	140°, 19%, 96%
XYZ	67.6496, 81.5112, 75.1185
YIQ	226.7120, -17.4650, -19.3930

Conversions

Conversions Part 2

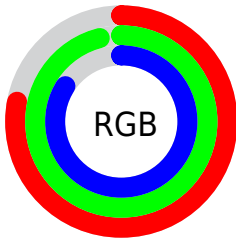
Format	Color
R _{YB}	198, 233, 244
Decimal	13038805
CIE _{Lab}	92.36, -20.64, 10.10
CIE _{LCh}	92, 22.981, 153.921
Y _{xy}	81.5112, 0.3016, 0.3634
Android (android.graphics.Color)	4291228885 (0xFFC6F4D5)
YUV	226.7120, -6.7600, -25.1804
Hunter-Lab	90.2836, -24.2459, 13.8675

Details

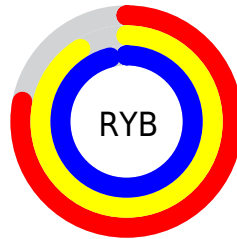
The XYZ color **67.6496, 81.5112, 75.1185** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6480, 65.2803, 82.9564**, and the grayscale version is **72.8629, 76.6574, 83.4799**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6564, 44.3644, 39.0316** is the 20% darker color. If you saturate the color by 10%, you get **59.7465, 77.6683, 64.4004**, and if you desaturate by 10%, it is **76.8050, 85.9797, 87.0035**.

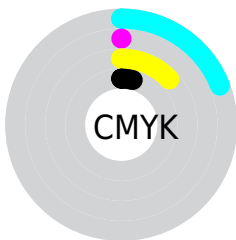
Distribution



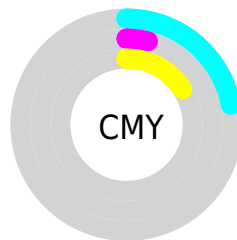
- Red (78%)
- Green (96%)
- Blue (84%)



- Red (78%)
- Yellow (91%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)



- Cyan (22%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6496, 81.5112, 75.1185 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 67.6496, 81.5112, 75.1185 by changing the saturation by 10% instead.

67.6496, 81.5112,
75.1185

67.6496, 81.5112,
75.1185

441.6497,
500.0112, 497.5911

49.8854, 60.9627,
55.2077

114.8954,
135.4883, 128.2287

35.5397, 44.1951,
39.1683

145.1077,
169.6857, 162.2652

24.2474, 30.8239,
26.5818

180.2000,
209.2016, 201.8473

15.6430, 20.4648,
17.0298

220.5377,
254.4203, 247.3936

9.3611, 12.7333,
10.0935

266.4862,
305.7262, 299.3225

5.0364, 7.2452,
5.3546

318.4108,

2.3036, 3.6159,

363.5037, 358.0527

2.3944

376.6768,
428.1373, 424.0027

■ 0.7965, 1.4611,
0.7834

■ 0.0000, 0.2611,
0.0000

■ 67.6496, 81.5112,
75.1185

■ 67.6496, 81.5112,
75.1185

■ 59.7465, 77.6683,
64.4004

■ 76.8050, 85.9797,
87.0035

■ 53.0331, 74.4128,
54.8085

■ 87.2582, 91.0898,
100.0838

■ 47.4515, 71.7178,
46.3074

■ 91.6422, 93.1845,
107.7641

■ 42.9362, 69.5503,
38.8579

■ 39.4145, 67.8737,
32.4183

■ 36.8043, 66.6465,
26.9444

■ 35.0090, 65.8200,
22.3879

■ 33.8893, 65.3233,
18.6954

■ 33.7841, 65.2772,
18.3240

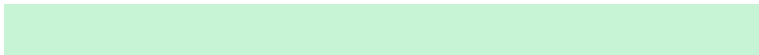
Harmonies

Analogous

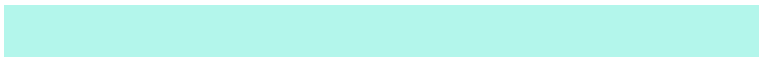
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2658, 81.5112, 64.2541



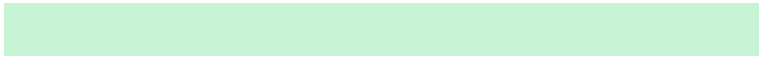
67.6496, 81.5112, 75.1185



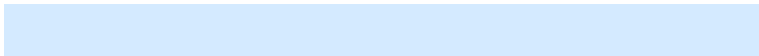
66.6157, 81.5112, 91.0104

Triad

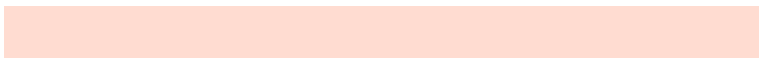
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.6496, 81.5112, 75.1185



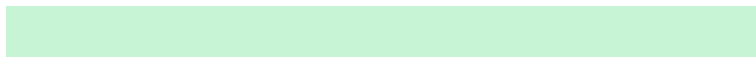
78.2586, 81.5112, 125.6006



87.3563, 81.5112, 71.7007

Complementary

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



67.6496, 81.5112, 75.1185



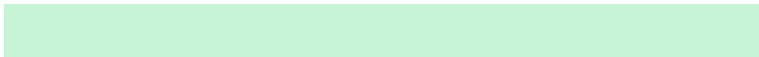
71.6480, 65.2803, 82.9564

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.



89.4523, 81.5112, 86.5310



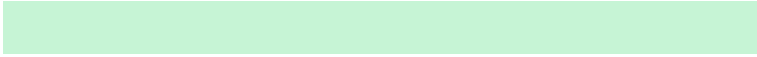
67.6496, 81.5112, 75.1185



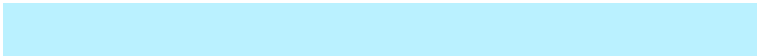
84.0326, 81.5112, 118.7978

Square

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



67.6496, 81.5112, 75.1185



72.5546, 81.5112, 121.5388



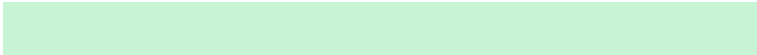
88.2062, 81.5112, 103.9423



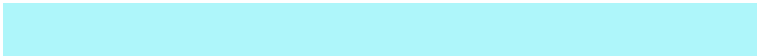
82.6108, 81.5112, 62.4652

Rectangle

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



67.6496, 81.5112, 75.1185



67.4835, 81.5112, 102.7053



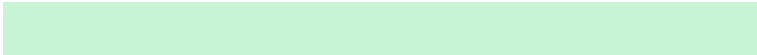
88.2062, 81.5112, 103.9423



88.4048, 81.5112, 76.1232

Sweetspot

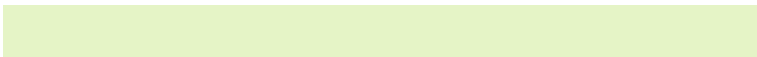
The Sweet Spot groups the original color and five complimentary colors.



67.6518, 81.5146, 75.1203



88.0274, 96.5664, 100.1370



74.9983, 85.5118, 65.9797



18.6847, 20.5926, 21.2355



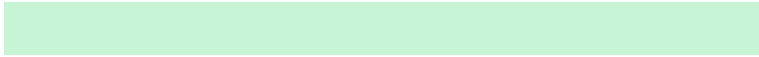
0.0000, 0.0000, 0.0000



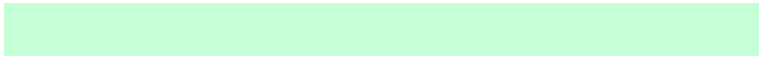
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6518, 81.5146, 75.1203



70.9428, 88.2334, 77.9014



70.7194, 82.7417, 91.2740



16.5050, 18.5611, 18.6775



18.4247, 35.5147, 10.2562



1.6646, 3.1395, 1.1399

Inverse Universe

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



71.6480, 65.2803, 82.9564



76.1813, 66.9469, 88.1694



68.6980, 64.1004, 67.4222



16.9704, 16.6710, 19.5906



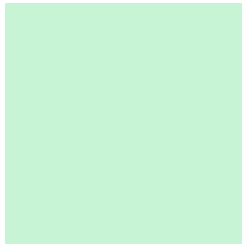
24.0168, 11.9502, 20.5947



2.1579, 1.0691, 2.0581

Previews

White Background



This preview shows how the XYZ color 67.6496, 81.5112, 75.1185 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 67.6496, 81.5112, 75.1185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

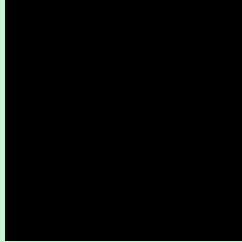
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

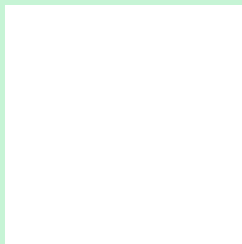
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6496, 81.5112, 75.1185

Background



This preview shows how black text looks on a background with the XYZ color 67.6496, 81.5112, 75.1185.



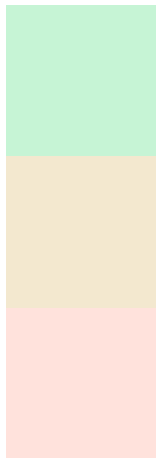
This preview shows how white text looks on a background with the XYZ color 67.6496, 81.5112,

75.1185.

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

67.6496, 81.5112, 75.1185

Protanopia

77.0812, 81.2729, 70.6561

Deuteranopia

81.3546, 80.8200, 79.0221



Tritanopia

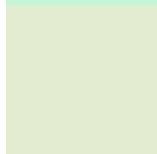
74.3466, 81.1983, 106.3621

Trichromacy



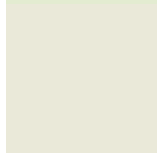
Original Color

67.6496, 81.5112, 75.1185



Protanomaly

73.1826, 80.9252, 72.0846



Deuteranomaly

75.5950, 80.7800, 77.2535



Tritanomaly

71.7901, 81.4488, 94.3755

Monochromacy



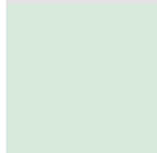
Original Color

67.6496, 81.5112, 75.1185



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.6426, 78.1507, 80.4686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6496, 81.5112, 75.1185 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(198, 244, 213)` looks like.

```
.text, #text, p{  
    color:rgb(198, 244, 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(198, 244, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 244, 213) }
```

Border

The CSS property to change the border of an element to XYZ 67.6496, 81.5112, 75.1185 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(198, 244, 213) }
```


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

```
.border{ border-color:rgb(198, 244, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 244, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 244, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 244, 213);  
box-shadow:4px 4px 4px 4px rgb(198, 244,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6496, 81.5112, 75.1185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 244, 213) }
```

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

```
.background{ background-color: rgb(198,  
244, 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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