

Converting Colors

XYZ(68.1800, 85.3106, 62.9012)

Have a look what the booklet for
XYZ(68.1800, 85.3106, 62.9012)
contains.

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Color

**XYZ(68.0990, 85.2176,
62.7286)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FBC0
RGB	201, 251, 192
RGB Percent	79%, 98%, 75%
CMY	0.2118, 0.0157, 0.2471
CMYK	0.20, 0.00, 0.24, 0.02
HSL	111°, 88%, 87%
HSV	111°, 24%, 98%
XYZ	68.0990, 85.2176, 62.7286
YIQ	229.3240, -10.8610, -28.9490

Conversions

Conversions Part 2

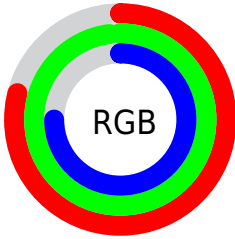
Format	Color
RYB	192, 251, 242
Decimal	13237184
CIELab	93.98, -26.63, 23.20
CIElCh	94, 35.317, 138.940
Yxy	85.2176, 0.3152, 0.3944
Android (android.graphics.Color)	4291427264 (0xFFC9FBC0)
YUV	229.3240, -18.4007, -24.8401
Hunter-Lab	92.3134, -29.8701, 24.3307

Details

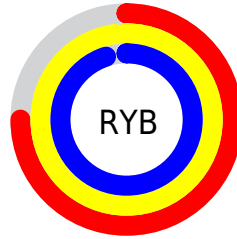
The XYZ color **68.0990, 85.2176, 62.7286** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.8837, 63.5440, 99.6950**, and the grayscale version is **74.8537, 78.7519, 85.7608**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **35.7333, 46.5295, 31.1425** is the 20% darker color. If you saturate the color by 10%, you get **60.2242, 81.4549, 49.0598**, and if you desaturate by 10%, it is **77.2446, 89.5856, 78.9362**.

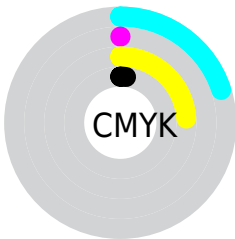
Distribution



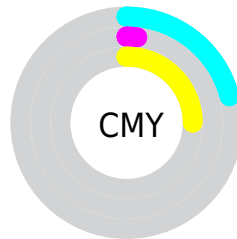
- Red (79%)
- Green (98%)
- Blue (75%)



- Red (75%)
- Yellow (98%)
- Blue (95%)



- Cyan (20%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (21%)
- Magenta (2%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0990, 85.2176, 62.7286 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 68.0990, 85.2176, 62.7286 by changing the saturation by 10% instead.


 68.0990, 85.2176,
62.7286

 68.0990, 85.2176,
62.7286

443.2179,
512.3478, 452.6647

 50.2522, 64.0212,
45.1821


 115.5349,
140.6772, 110.3597

 35.8325, 46.6678,
31.2569


145.8547,
175.7091, 141.2813

 24.4744, 32.7731,
20.5344


181.0630,
216.1217, 177.4984

 15.8125, 21.9527,
12.5962


221.5250,
262.2993, 219.4295

 9.4816, 13.8222,
7.0236

267.6062,
314.6263, 267.4931

 5.1162, 7.9971,
3.3982


319.6718,


 2.3511, 4.0931,


373.4871, 322.1078


1.3014


378.0873,
439.2662, 383.6922


 0.8206, 1.7258,
0.0629


 0.0000, 0.4403,
0.0000


 68.0990, 85.2176,
62.7286


 68.0990, 85.2176,
62.7286


 60.2242, 81.4549,
49.0598


 77.2446, 89.5856,
78.9362

 53.5570, 78.2602,
37.7960

 87.7072, 94.5727,
97.7962

 48.0390, 75.6090,
28.7995

 93.7888, 97.4777,
108.4796

 43.6040, 73.4704,
21.9168

■ 40.1790, 71.8106,
16.9750

■ 37.6817, 70.5915,
13.7740

■ 36.0157, 69.7686,
12.0705

■ 35.3086, 69.4152,
11.5375

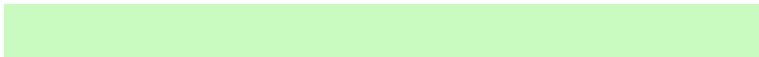
Harmonies

Analogous

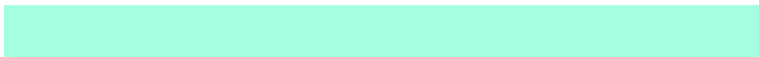
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2618, 85.2176, 51.8800



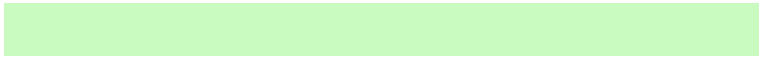
68.0990, 85.2176, 62.7286



64.4972, 85.2176, 83.1924

Triad

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



68.0990, 85.2176, 62.7286



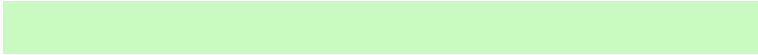
77.5732, 85.2176, 153.5389



99.3549, 85.2176, 76.9562

Complementary

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



68.0990, 85.2176, 62.7286



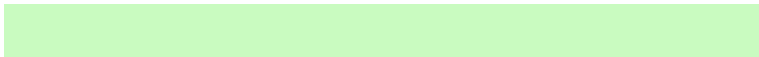
72.8837, 63.5440, 99.6950

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.



100.0945, 85.2176, 103.0933



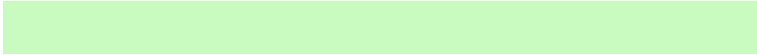
68.0990, 85.2176, 62.7286



87.0159, 85.2176, 150.9736

Square

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



68.0990, 85.2176, 62.7286



69.6780, 85.2176, 137.6280



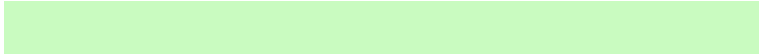
95.4282, 85.2176, 131.1791



93.4793, 85.2176, 58.9275

Rectangle

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



68.0990, 85.2176, 62.7286



64.3973, 85.2176, 101.0797



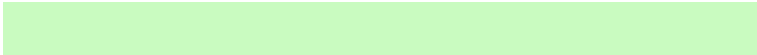
95.4282, 85.2176, 131.1791



100.2286, 85.2176, 84.9616

Sweetspot

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



68.1012, 85.2212, 62.7305



86.9599, 96.1461, 94.2105



80.8063, 87.3283, 62.4675



18.4706, 20.5114, 19.9078



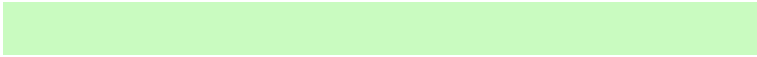
0.0000, 0.0000, 0.0000



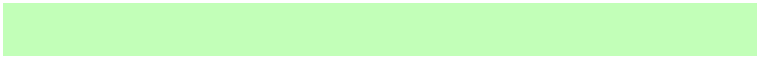
20.3446, 21.4041, 23.3091

Same Dimension

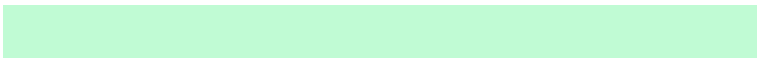
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1012, 85.2212, 62.7305



66.7439, 86.4982, 58.3059



68.0797, 84.9413, 74.8764



17.2638, 19.4362, 18.3041



18.6336, 36.5243, 6.0678



1.7963, 3.4191, 0.5653

Inverse Universe

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



72.8837, 63.5440, 99.6950



72.4540, 60.5878, 102.4836



73.1073, 63.9991, 84.3514



17.7177, 17.3826, 21.8067



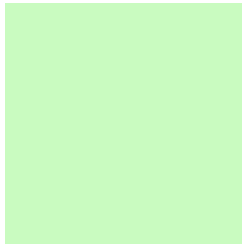
23.6340, 11.1264, 48.8755



2.2570, 1.0656, 4.5299

Previews

White Background



This preview shows how the XYZ color 68.0990, 85.2176, 62.7286 looks on a white background.

Color Contrast Check

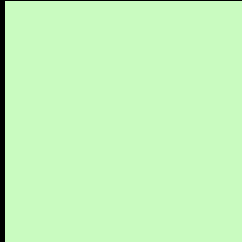
Large Text (above 18pt) WCAG AA × Fail

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 68.0990, 85.2176, 62.7286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

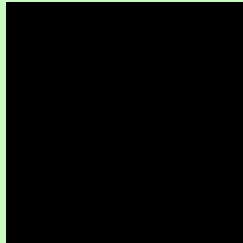
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

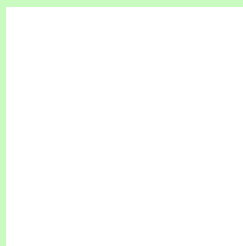
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0990, 85.2176, 62.7286

Background



This preview shows how black text looks on a background with the XYZ color 68.0990, 85.2176, 62.7286.



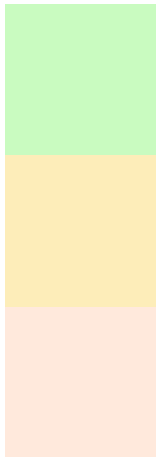
This preview shows how white text looks on a background with the XYZ color 68.0990, 85.2176,

62.7286.

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

68.0990, 85.2176, 62.7286

Protanopia

79.5492, 84.9538, 58.1040

Deuteranopia

83.2972, 84.7051, 79.6696



Tritanopia

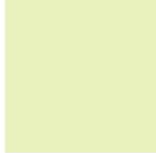
78.7187, 85.1907, 106.9023

Trichromacy



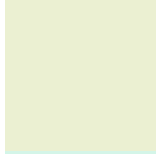
Original Color

68.0990, 85.2176, 62.7286



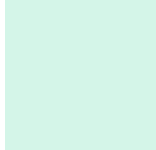
Protanomaly

74.7609, 84.6275, 59.9714



Deuteranomaly

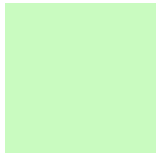
77.0539, 84.6355, 73.2479



Tritanomaly

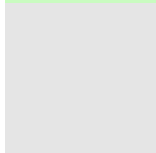
74.3693, 85.1281, 88.8556

Monochromacy



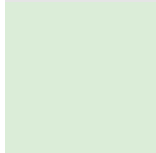
Original Color

68.0990, 85.2176, 62.7286



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8923, 80.5863, 76.7313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0990, 85.2176, 62.7286 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, 251, 192)` looks like.

```
.text, #text, p{  
    color:rgb(201, 251, 192)  
}
```

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, 251, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 251, 192) }
```

Border

The CSS property to change the border of an element to XYZ 68.0990, 85.2176, 62.7286 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, 251, 192) }
```


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

```
.border{ border-color:rgb(201, 251, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 251, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 251, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 251, 192);  
box-shadow:4px 4px 4px 4px rgb(201, 251,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0990, 85.2176, 62.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 251, 192) }
```

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

```
.background{ background-color: rgb(201,  
251, 192) }
```

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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