

# Converting Colors

XYZ(64.8485, 82.5936, 63.5632)

Have a look what the booklet for  
XYZ(64.8485, 82.5936, 63.5632)  
contains.

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# **Color**

**XYZ(64.8485, 82.5936,  
63.5632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF9C2
RGB	190, 249, 194
RGB Percent	75%, 98%, 76%
CMY	0.2549, 0.0235, 0.2392
CMYK	0.24, 0.00, 0.22, 0.02
HSL	124°, 83%, 86%
HSV	124°, 24%, 98%
XYZ	64.8485, 82.5936, 63.5632
YIQ	225.0890, -17.5090, -29.6130

# Conversions

## Conversions Part 2

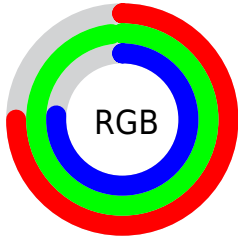
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 245, 249
Decimal	12515778
CIELab	92.84, -28.95, 20.50
CIELCh	93, 35.470, 144.700
Yxy	82.5936, 0.3073, 0.3914
Android (android.graphics.Color)	4290705858 (0xFFBEF9C2)
YUV	225.0890, -15.3269, -30.7731
Hunter-Lab	90.8810, -31.6724, 22.1486

# Details

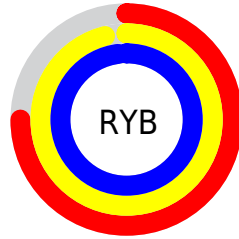
The XYZ color **64.8485, 82.5936, 63.5632** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9647, 63.5610, 94.7599**, and the grayscale version is **71.7496, 75.4862, 82.2045**.

A 20% lighter version of the original color is **91.5304, 98.2592, 105.4085**, and **33.5749, 44.7436, 31.6777** is the 20% darker color. If you saturate the color by 10%, you get **56.7460, 78.6971, 50.6224**, and if you desaturate by 10%, it is **74.4251, 87.2078, 78.7020**.

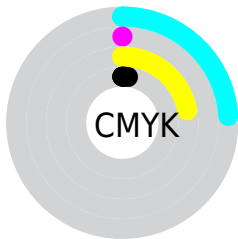
# Distribution



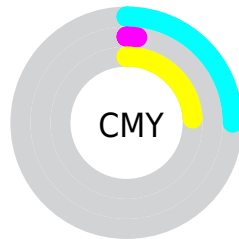
- Red (75%)
- Green (98%)
- Blue (76%)



- Red (75%)
- Yellow (96%)
- Blue (98%)



- Cyan (24%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)



- Cyan (25%)
- Magenta (2%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8485, 82.5936, 63.5632 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 64.8485, 82.5936, 63.5632 by changing the saturation by 10% instead.



64.8485, 82.5936,  
63.5632

64.8485, 82.5936,  
63.5632

431.8012,  
503.6311, 455.7747

47.6025, 61.8549,  
45.8531

110.8989,  
137.0061, 111.5750

33.7221, 44.9155,  
31.7821

140.4341,  
171.4488, 142.7138

22.8421, 31.3909,  
20.9316

174.7963,  
211.2282, 179.1659

14.5970, 20.8967,  
12.8833

214.3510,  
256.7288, 221.3498

8.6215, 13.0485,  
7.2184

259.4634,  
308.3351, 269.6841

4.5503, 7.4619,  
3.5186

310.4991,

2.0179, 3.7526,

366.4312, 324.5873

1.3651

367.8232,  
431.4018, 386.4780

0.6440, 1.5362,  
0.1143

0.0000, 0.3140,  
0.0000

64.8485, 82.5936,  
63.5632

64.8485, 82.5936,  
63.5632

56.7460, 78.6971,  
50.6224

74.4251, 87.2078,  
78.7020

50.0382, 75.4723,  
39.7724

85.5370, 92.5620,  
96.1285

44.6483, 72.8843,  
30.9052

93.1673, 96.2346,  
108.2724

40.4892, 70.8910,  
23.9007

■ 37.4635, 69.4448,  
18.6264

■ 35.4589, 68.4911,  
14.9317

■ 34.3401, 67.9638,  
12.6408

■ 33.9776, 67.7947,  
11.8205

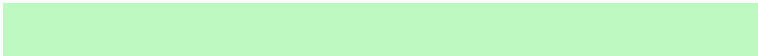
# Harmonies

## Analogous

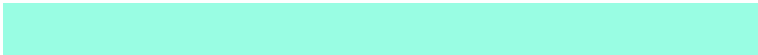
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2946, 82.5936, 51.1004



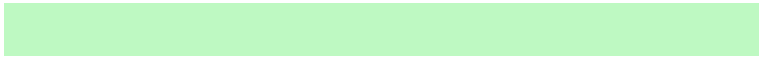
64.8485, 82.5936, 63.5632



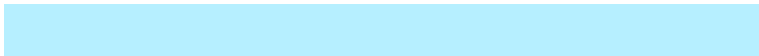
62.0737, 82.5936, 85.3015

# Triad

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



64.8485, 82.5936, 63.5632



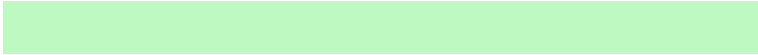
76.8694, 82.5936, 150.8658



95.8168, 82.5936, 70.2595

# Complementary

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



64.8485, 82.5936, 63.5632



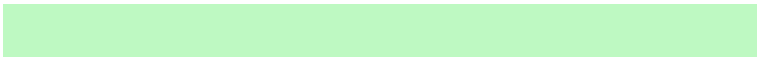
73.9647, 63.5610, 94.7599

# 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.



97.6015, 82.5936, 94.7238



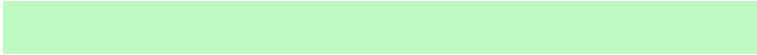
64.8485, 82.5936, 63.5632



86.1810, 82.5936, 144.6730

# Square

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



64.8485, 82.5936, 63.5632



68.6561, 82.5936, 138.3014



93.9505, 82.5936, 122.7352

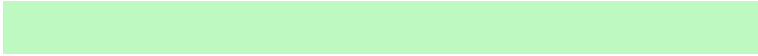


89.2485, 82.5936, 54.4007



# Rectangle

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



64.8485, 82.5936, 63.5632



62.5080, 82.5936, 103.5017



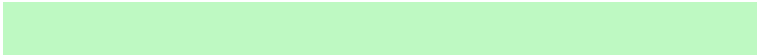
93.9505, 82.5936, 122.7352



97.0168, 82.5936, 77.6005

# Sweetspot

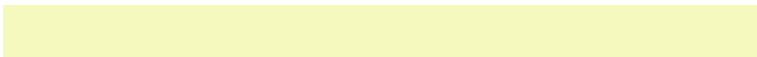
The Sweet Spot groups the original color and five complimentary colors.



64.8507, 82.5971, 63.5650



86.2208, 95.7446, 95.1030



80.8529, 90.8978, 61.9996



18.3001, 20.4188, 20.1136



0.0000, 0.0000, 0.0000

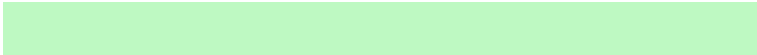


20.3446, 21.4041, 23.3091

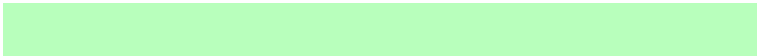


# Same Dimension

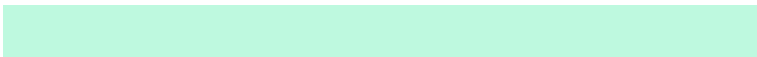
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8507, 82.5971, 63.5650



64.5562, 85.3109, 60.8910



68.4911, 84.0533, 82.7353



17.0651, 19.3283, 18.5435



18.2045, 36.2948, 6.4200



1.7022, 3.3680, 0.6795



# Inverse Universe

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



73.9647, 63.5610, 94.7599



75.5777, 62.2871, 98.6122



69.8216, 61.9038, 72.9431



17.9392, 17.5031, 21.5358



28.7390, 13.9113, 42.1955

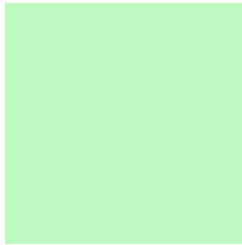


2.6766, 1.2944, 3.9862



# Previews

## White Background



This preview shows how the XYZ color 64.8485, 82.5936, 63.5632 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 64.8485, 82.5936, 63.5632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

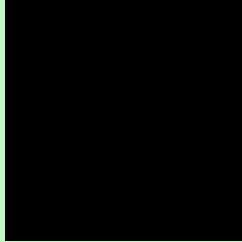
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.8485, 82.5936, 63.5632**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.8485, 82.5936, 63.5632.



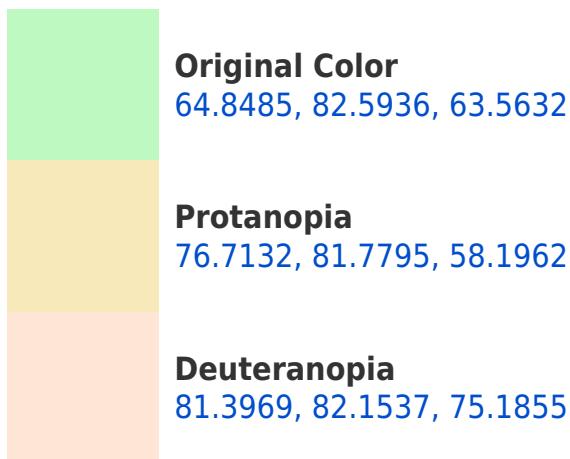
This preview shows how white text looks on a background with the XYZ color 64.8485, 82.5936, 63.5632.

63.5632.

# 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

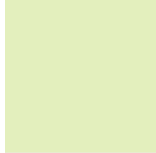
74.9289, 82.3629, 106.5562

# Trichromacy



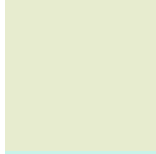
## Original Color

64.8485, 82.5936, 63.5632



## Protanomaly

71.7304, 81.7380, 60.1405



## Deuteranomaly

74.2129, 81.4848, 70.8482



## Tritanomaly

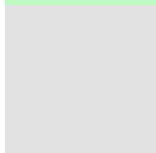
70.8460, 82.4019, 89.2620

# Monochromacy



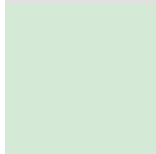
## Original Color

64.8485, 82.5936, 63.5632



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

68.7118, 77.6977, 74.9940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.8485, 82.5936, 63.5632 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(190, 249, 194)` looks like.

```
.text, #text, p{  
    color:rgb(190, 249, 194)  
}
```

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(190, 249, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 249, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 64.8485, 82.5936, 63.5632 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(190, 249, 194) }
```



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

```
.border{ border-color:rgb(190, 249, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 249, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 249, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 249, 194);  
box-shadow:4px 4px 4px 4px rgb(190, 249,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.8485, 82.5936, 63.5632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 249, 194) }
```

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

```
.background{ background-color: rgb(190,  
249, 194) }
```

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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