

# Converting Colors

XYZ(88.6764, 127.3292,  
72.3611)

Have a look what the booklet for  
XYZ(88.6764, 127.3292, 72.3611)  
contains.

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# Color

**XYZ(68.7498, 87.3758,  
65.4663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFC4
RGB	197, 255, 196
RGB Percent	77%, 100%, 77%
CMY	0.2274, 0.0000, 0.2314
CMYK	0.23, 0.00, 0.23, 0.00
HSL	119°, 100%, 88%
HSV	119°, 23%, 100%
XYZ	68.7498, 87.3758, 65.4663
YIQ	230.9320, -15.6290, -30.6450

# Conversions

## Conversions Part 2

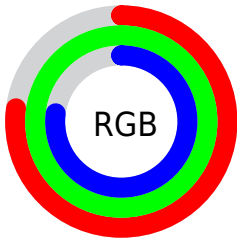
Format	Color
<b>RYB</b>	196, 255, 254
Decimal	12976068
CIELab	94.90, -29.18, 22.40
CIELCh	95, 36.783, 142.488
Yxy	87.3758, 0.3103, 0.3943
Android (android.graphics.Color)	4291166148 (0xFFC5FFC4)
YUV	230.9320, -17.2215, -29.7584
Hunter-Lab	93.4750, -32.2966, 23.9081

# Details

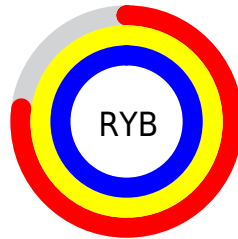
The XYZ color **68.7498, 87.3758, 65.4663** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.6638, 67.7719, 103.5430**, and the grayscale version is **76.0371, 79.9970, 87.1167**.

A 20% lighter version of the original color is **94.3627, 99.6827, 107.1957**, and **36.2319, 48.0919, 32.9642** is the 20% darker color. If you saturate the color by 10%, you get **60.0620, 83.2045, 51.1743**, and if you desaturate by 10%, it is **79.0237, 92.3079, 82.4102**.

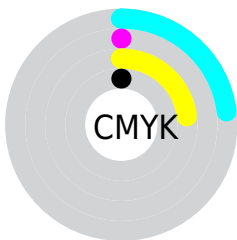
# Distribution



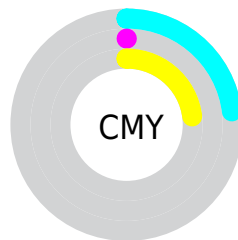
- Red (77%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7498, 87.3758, 65.4663 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 68.7498, 87.3758, 65.4663 by changing the saturation by 10% instead.



68.7498, 87.3758,  
65.4663

68.7498, 87.3758,  
65.4663

445.4832,  
519.4569, 462.8178

50.7839, 65.8062,  
47.3855

116.4602,  
143.6878, 114.3397

36.2570, 48.1151,  
32.9840

146.9353,  
179.1991, 145.9694

24.8038, 33.9181,  
21.8432

182.3109,  
220.1264, 182.9525

16.0589, 22.8307,  
13.5445

222.9524,  
266.8541, 225.7075

9.6569, 14.4685,  
7.6694

269.2249,  
319.7666, 274.6530

5.2326, 8.4472,  
3.7994

321.4940,

2.4205, 4.3824,

379.2483, 330.2075

1.5160

380.1250,  
445.6836, 392.7896

■ 0.8554, 1.8897,  
0.2298

■ 0.0000, 0.5422,  
0.0000

■ 68.7498, 87.3758,  
65.4663

■ 68.7498, 87.3758,  
65.4663

■ 60.0620, 83.2045,  
51.1743

■ 79.0237, 92.3079,  
82.4102

■ 52.8795, 79.7550,  
39.3962

■ 90.9552, 98.0348,  
102.1263

■ 47.1174, 76.9868,  
29.9879

95.0500, 100.0000,  
108.9000

■ 42.6814, 74.8547,  
22.7891

■ 39.4661, 73.3082,  
17.6194

■ 37.3497, 72.2891,  
14.2704

■ 36.1857, 71.7273,  
12.4887

■ 35.8141, 71.5479,  
11.9225

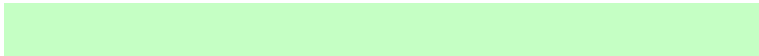
# Harmonies

## Analogous

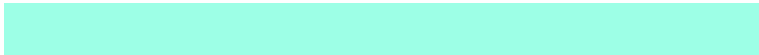
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9288, 87.3758, 52.8885



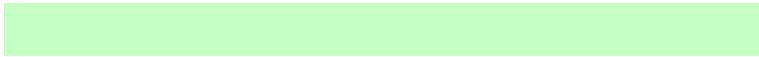
68.7498, 87.3758, 65.4663



65.4538, 87.3758, 88.1377

# Triad

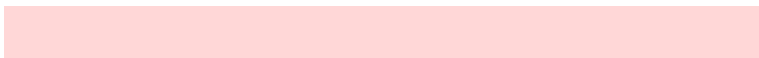
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7498, 87.3758, 65.4663



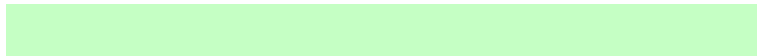
80.5666, 87.3758, 160.6159



102.0517, 87.3758, 75.6437

# Complementary

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



68.7498, 87.3758, 65.4663



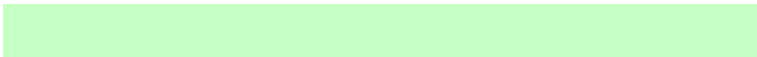
78.6638, 67.7719, 103.5430

# 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.



103.5425, 87.3758, 102.4982



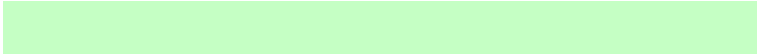
68.7498, 87.3758, 65.4663



90.5990, 87.3758, 155.4217

# Square

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



68.7498, 87.3758, 65.4663



71.9121, 87.3758, 145.6753



99.2029, 87.3758, 132.6420

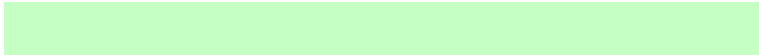


95.2782, 87.3758, 57.8920



# Rectangle

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



68.7498, 87.3758, 65.4663



65.7007, 87.3758, 107.5105



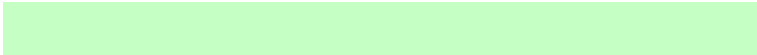
99.2029, 87.3758, 132.6420



103.2081, 87.3758, 83.7520

# Sweetspot

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



68.7504, 87.3762, 65.4677



86.1443, 95.7257, 94.1723



86.3399, 95.5173, 66.1120



18.2825, 20.4144, 19.8990



0.0000, 0.0000, 0.0000

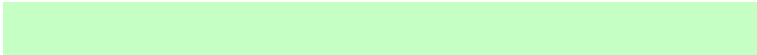


20.3446, 21.4041, 23.3091

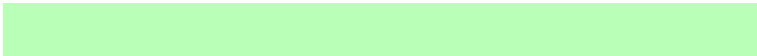


# Same Dimension

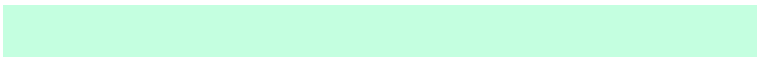
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.7504, 87.3762, 65.4677



64.3315, 85.2545, 58.1930



71.9170, 88.6127, 83.5040



17.8000, 20.1828, 19.1018



18.7259, 37.3916, 6.2304



1.8328, 3.6456, 0.6071



# Inverse Universe

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



78.6638, 67.7719, 103.5430



75.9040, 62.3664, 102.6451



74.9102, 66.3128, 81.8634



18.7605, 18.2838, 22.7903



30.1732, 14.4653, 50.6364

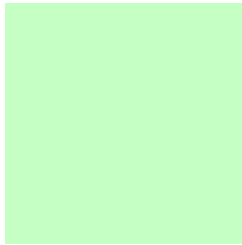


2.9472, 1.4133, 4.9307



# Previews

## White Background



This preview shows how the XYZ color 68.7498, 87.3758, 65.4663 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 68.7498, 87.3758, 65.4663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

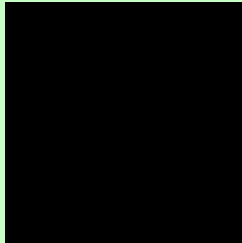
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

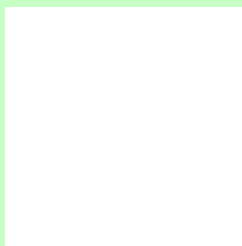
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.7498, 87.3758, 65.4663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.7498, 87.3758, 65.4663.



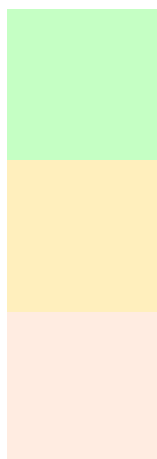
This preview shows how white text looks on a background with the XYZ color 68.7498, 87.3758,

65.4663.

# 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

68.7498, 87.3758, 65.4663

### Protanopia

81.2918, 86.6671, 60.5880

### Deuteranopia

84.8261, 86.6871, 83.4956



## Tritanopia

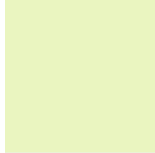
80.2248, 86.8508, 107.1433

# Trichromacy



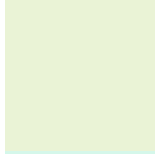
## Original Color

68.7498, 87.3758, 65.4663



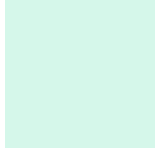
## Protanomaly

76.0985, 86.6030, 62.5744



## Deuteranomaly

78.1199, 86.4486, 76.1872



## Tritanomaly

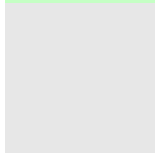
75.5526, 86.6082, 90.5769

# Monochromacy



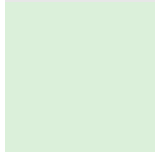
## Original Color

68.7498, 87.3758, 65.4663



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.0284, 82.4422, 78.3936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.7498, 87.3758, 65.4663 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(197, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 196)  
}
```

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(197, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 68.7498, 87.3758, 65.4663 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(197, 255, 196) }
```



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

```
.border{ border-color:rgb(197, 255, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.7498, 87.3758, 65.4663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 196) }
```

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

```
.background{ background-color: rgb(197,  
255, 196) }
```

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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