

# Converting Colors

XYZ(67.7171, 82.8987, 75.2814)

Have a look what the booklet for  
XYZ(67.7171, 82.8987, 75.2814)  
contains.

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# Color

**XYZ(67.7767, 82.9277,  
75.3852)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3F7D5
RGB	195, 247, 213
RGB Percent	76%, 97%, 84%
CMY	0.2353, 0.0314, 0.1647
CMYK	0.21, 0.00, 0.14, 0.03
HSL	141°, 76%, 87%
HSV	141°, 21%, 97%
XYZ	67.7767, 82.9277, 75.3852
YIQ	227.5760, -20.0780, -21.5980

# Conversions

## Conversions Part 2

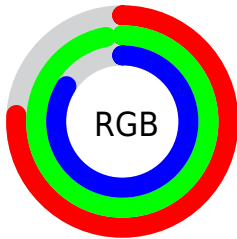
Format	Color
<b>RYB</b>	195, 234, 247
Decimal	12842965
CIELab	92.98, -23.05, 10.97
CIELCh	93, 25.529, 154.552
Yxy	82.9277, 0.2998, 0.3668
Android (android.graphics.Color)	4291033045 (0xFFC3F7D5)
YUV	227.5760, -7.1860, -28.5692
Hunter-Lab	91.0646, -26.5109, 14.6638

# Details

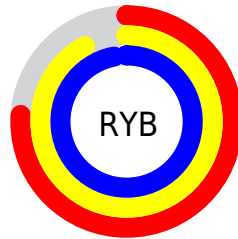
The XYZ color **67.7767, 82.9277, 75.3852** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.0187, 64.4636, 82.7794**, and the grayscale version is **73.4963, 77.3238, 84.2056**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **35.5695, 44.9583, 39.1509** is the 20% darker color. If you saturate the color by 10%, you get **59.9661, 79.1287, 64.8467**, and if you desaturate by 10%, it is **76.8517, 87.3596, 87.0522**.

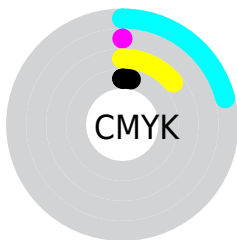
# Distribution



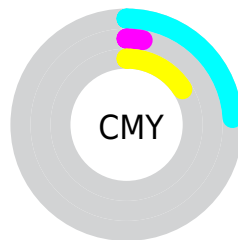
- Red (76%)
- Green (97%)
- Blue (84%)



- Red (76%)
- Yellow (92%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)



- Cyan (24%)
- Magenta (3%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7767, 82.9277, 75.3852 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 67.7767, 82.9277, 75.3852 by changing the saturation by 10% instead.



67.7767, 82.9277,  
75.3852

67.7767, 82.9277,  
75.3852

442.0936,  
504.7455, 498.5312

49.9891, 62.1305,  
55.4249

115.0763,  
137.4742, 128.6096

35.6225, 45.1382,  
39.3411

145.3190,  
171.9923, 162.7107

24.3115, 31.5663,  
26.7153

180.4442,  
211.8528, 202.3626

15.6909, 21.0304,  
17.1290

220.8171,  
257.4401, 247.9837

9.3951, 13.1462,  
10.1636

266.8031,  
309.1387, 299.9926

5.0590, 7.5293,  
5.4005

318.7677,

2.3170, 3.7953,

367.3328, 358.8077

2.4213

377.0760,  
432.4070, 424.8478

■ 0.8033, 1.5597,  
0.7980

■ 0.0000, 0.3302,  
0.0000

■ 67.7767, 82.9277,  
75.3852

■ 67.7767, 82.9277,  
75.3852

■ 59.9661, 79.1287,  
64.8467

■ 76.8517, 87.3596,  
87.0522

■ 53.3553, 75.9230,  
55.3974

■ 87.2384, 92.4410,  
99.8744

■ 47.8841, 73.2826,  
47.0038

■ 92.5523, 95.0046,  
108.0674

■ 43.4841, 71.1730,  
39.6285

■ 40.0795, 69.5559,  
33.2320

■ 37.5834, 68.3874,  
27.7718

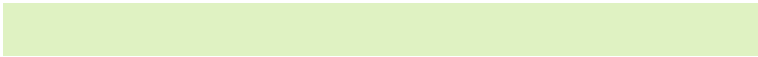
■ 35.8930, 67.6154,  
23.2022

■ 34.9218, 67.1884,  
19.8262

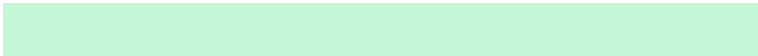
# Harmonies

## Analogous

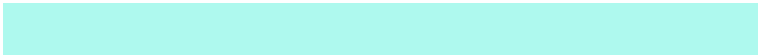
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7545, 82.9277, 63.2479



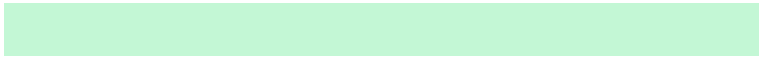
67.7767, 82.9277, 75.3852



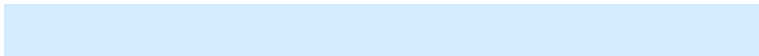
66.6917, 82.9277, 93.2463

# Triad

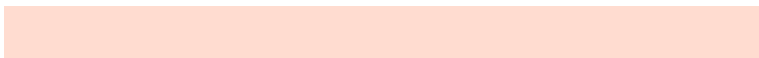
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7767, 82.9277, 75.3852



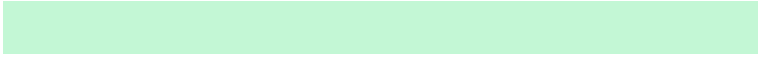
79.8445, 82.9277, 132.1742



89.8850, 82.9277, 70.9885

# Complementary

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



67.7767, 82.9277, 75.3852



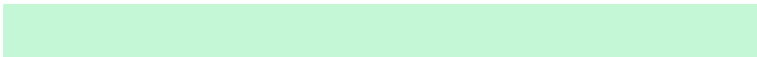
72.0187, 64.4636, 82.7794

# 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.



92.3368, 82.9277, 87.4050



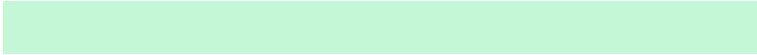
67.7767, 82.9277, 75.3852



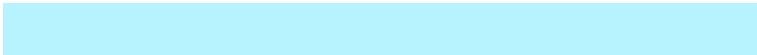
86.3354, 82.9277, 124.1241

# Square

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



67.7767, 82.9277, 75.3852



73.4264, 82.9277, 127.7700



91.0027, 82.9277, 107.0496

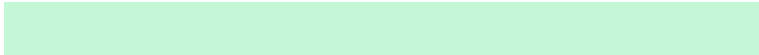


84.4721, 82.9277, 60.9723



# Rectangle

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



67.7767, 82.9277, 75.3852



67.6998, 82.9277, 106.4658



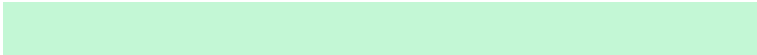
91.0027, 82.9277, 107.0496



91.0963, 82.9277, 75.8491

# Sweetspot

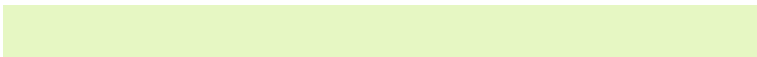
The Sweet Spot groups the original color and five complimentary colors.



67.7790, 82.9312, 75.3870



88.0742, 96.5851, 100.3836



75.6404, 87.2334, 64.4820



18.6957, 20.5970, 21.2937



0.0000, 0.0000, 0.0000

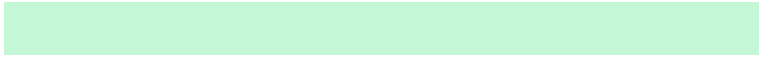


20.3446, 21.4041, 23.3091

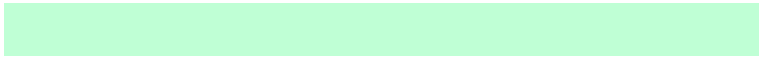


# Same Dimension

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



67.7790, 82.9312, 75.3870



69.3592, 87.4490, 76.3850



71.2508, 84.3199, 93.6695



16.5190, 18.5667, 18.7513



18.5283, 35.5562, 10.8018



1.6750, 3.1437, 1.1944



# Inverse Universe

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



72.0187, 64.4636, 82.7794



74.6239, 64.5102, 85.5600



68.7345, 63.1499, 65.4853



16.9557, 16.6651, 19.5135



23.7815, 11.8560, 19.3557

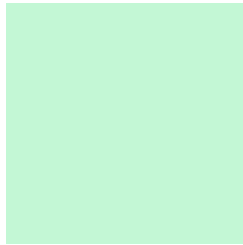


2.1385, 1.0614, 1.9556



# Previews

## White Background



This preview shows how the XYZ color 67.7767, 82.9277, 75.3852 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 67.7767, 82.9277, 75.3852 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

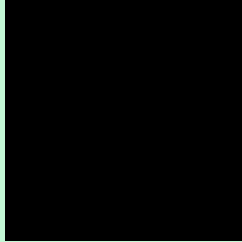
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

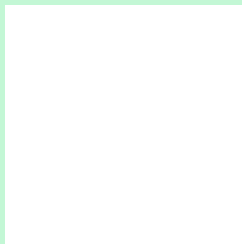
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.7767, 82.9277, 75.3852**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.7767, 82.9277, 75.3852.



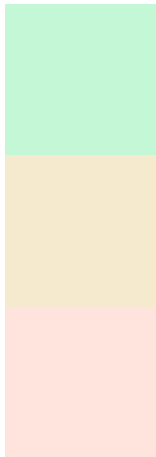
This preview shows how white text looks on a background with the XYZ color 67.7767, 82.9277,

75.3852.

# 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

67.7767, 82.9277, 75.3852

### Protanopia

77.9357, 82.1465, 70.1407

### Deuteranopia

82.1682, 82.0207, 80.6081



## Tritanopia

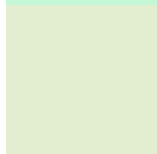
75.4948, 82.6546, 106.5827

# Trichromacy



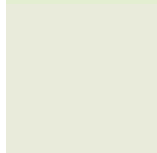
## Original Color

67.7767, 82.9277, 75.3852



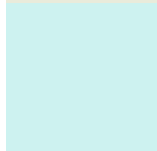
## Protanomaly

73.7617, 82.0834, 72.2776



## Deuteranomaly

76.0988, 81.8548, 78.8065



## Tritanomaly

72.6571, 82.7747, 94.5857

# Monochromacy



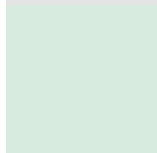
## Original Color

67.7767, 82.9277, 75.3852



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

71.3465, 79.3433, 81.3665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.7767, 82.9277, 75.3852 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(195, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(195, 247, 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(195, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 247, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 67.7767, 82.9277, 75.3852 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(195, 247, 213) }
```



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

```
.border{ border-color:rgb(195, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(195, 247,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.7767, 82.9277, 75.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 247, 213) }
```

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

```
.background{ background-color: rgb(195,  
247, 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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