

# Converting Colors

XYZ(67.4740, 86.4239, 78.7031)

Have a look what the booklet for  
XYZ(67.4740, 86.4239, 78.7031)  
contains.

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# Color

**XYZ(67.5758, 86.4748,  
78.7753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6FFD9
RGB	182, 255, 217
RGB Percent	71%, 100%, 85%
CMY	0.2863, 0.0000, 0.1490
CMYK	0.29, 0.00, 0.15, 0.00
HSL	149°, 100%, 86%
HSV	149°, 29%, 100%
XYZ	67.5758, 86.4748, 78.7753
YIQ	228.8410, -31.3100, -27.2940

# Conversions

## Conversions Part 2

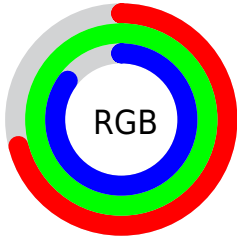
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 231, 255
Decimal	11993049
CIELab	94.51, -30.10, 11.00
CIElCh	95, 32.045, 159.927
Yxy	86.4748, 0.2902, 0.3714
Android (android.graphics.Color)	4290183129 (0xFFB6FFD9)
YUV	228.8410, -5.8376, -41.0796
Hunter-Lab	92.9918, -33.0224, 14.8685

# Details

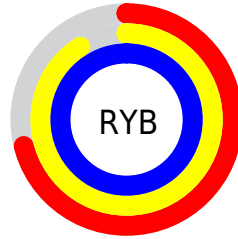
The XYZ color **67.5758, 86.4748, 78.7753** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8867, 59.8842, 75.5330**, and the grayscale version is **74.4171, 78.2926, 85.2606**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **35.4681, 47.5088, 41.4832** is the 20% darker color. If you saturate the color by 10%, you get **60.4342, 82.9847, 69.7885**, and if you desaturate by 10%, it is **75.9544, 90.5865, 88.5478**.

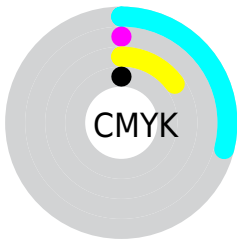
# Distribution



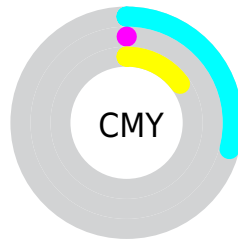
- Red (71%)
- Green (100%)
- Blue (85%)



- Red (71%)
- Yellow (91%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5758, 86.4748, 78.7753 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 67.5758, 86.4748, 78.7753 by changing the saturation by 10% instead.





 67.5758, 86.4748,  
78.7753

 67.5758, 86.4748,  
78.7753


441.3919,  
516.4955, 510.3934

 49.8251, 65.0607,  
58.1909


 114.7903,  
142.4319, 133.4383

 35.4917, 47.5103,  
41.5464


144.9849,  
177.7436, 168.3539

 24.2102, 33.4392,  
28.4234


180.0581,  
218.4567, 208.8836

 15.6152, 22.4631,  
18.4032

220.3754,  
264.9554, 255.4461

 9.3414, 14.1976,  
11.0674

266.3021,  
317.6243, 308.4597

 5.0234, 8.2582,  
5.9975

318.2035,

 2.2959, 4.2606,

376.8477, 368.3431

2.7748

376.4450,  
443.0099, 435.5148

■ 0.7926, 1.8204,  
0.9808

■ 0.0000, 0.4998,  
0.0000

■ 67.5758, 86.4748,  
78.7753

■ 67.5758, 86.4748,  
78.7753

■ 60.4342, 82.9847,  
69.7885

■ 75.9544, 90.5865,  
88.5478

■ 54.4645, 80.0831,  
61.5631

■ 85.6258, 95.3483,  
99.1208

■ 49.5987, 77.7353,  
54.0799

95.0500, 100.0000,  
108.9000

■ 45.7609, 75.9026,  
47.3168

■ 42.8646, 74.5407,  
41.2509

■ 40.8080, 73.5977,  
35.8574

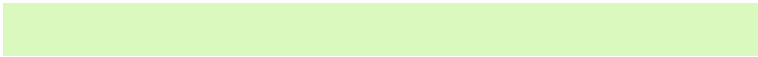
■ 39.4474, 73.0000,  
31.1087

■ 39.2892, 72.9317,  
30.5044

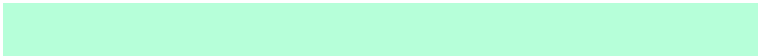
# Harmonies

## Analogous

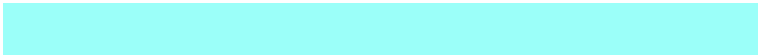
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9989, 86.4748, 62.2235



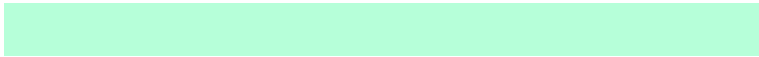
67.5758, 86.4748, 78.7753



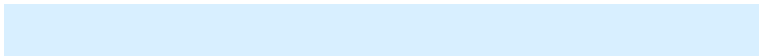
66.9117, 86.4748, 102.5857

# Triad

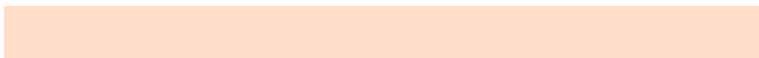
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5758, 86.4748, 78.7753



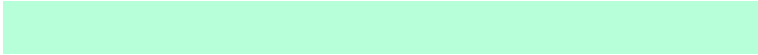
85.0846, 86.4748, 149.1288



95.5791, 86.4748, 66.8400

# Complementary

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



67.5758, 86.4748, 78.7753



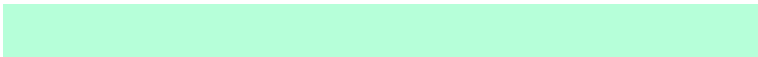
70.8867, 59.8842, 75.5330

# 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.



99.6370, 86.4748, 86.2019



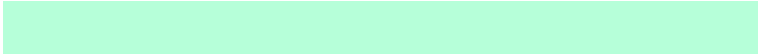
67.5758, 86.4748, 78.7753



93.3038, 86.4748, 135.4855

# Square

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



67.5758, 86.4748, 78.7753



76.6292, 86.4748, 146.1940



98.7764, 86.4748, 111.4195

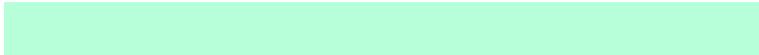


88.0170, 86.4748, 56.2145



# Rectangle

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



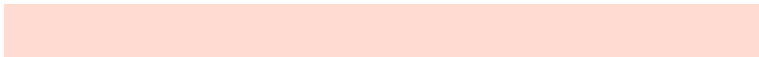
67.5758, 86.4748, 78.7753



68.6382, 86.4748, 119.9003



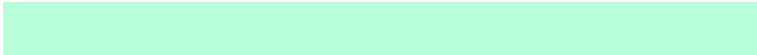
98.7764, 86.4748, 111.4195



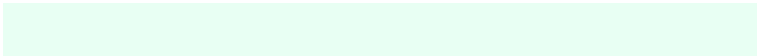
97.4214, 86.4748, 72.3894

# Sweetspot

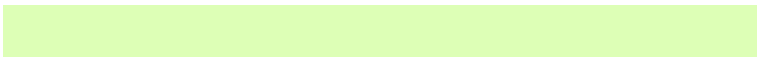
The Sweet Spot groups the original color and five complimentary colors.



67.5766, 86.4752, 78.7767



85.2407, 95.1585, 98.7113



74.0026, 90.2594, 57.7787



17.9277, 20.2114, 20.7891



0.0000, 0.0000, 0.0000

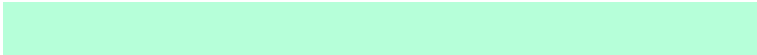


20.3446, 21.4041, 23.3091

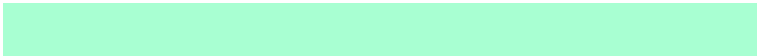


# Same Dimension

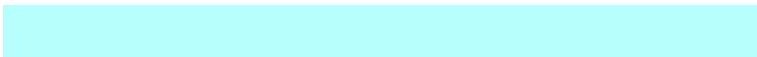
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5766, 86.4752, 78.7767



63.5890, 84.5244, 73.8509



72.7126, 88.5296, 105.8226



18.1343, 20.3133, 21.0103



20.6039, 38.1382, 16.3314



2.0610, 3.7353, 1.8789



# Inverse Universe

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



70.8867, 59.8842, 75.5330



67.3631, 54.2022, 70.1494



66.6659, 58.1958, 53.3064



18.4043, 18.1450, 20.7461



23.8274, 12.0203, 13.0077

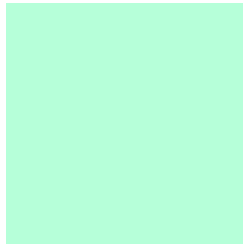


2.3752, 1.1925, 1.5574



# Previews

## White Background



This preview shows how the XYZ color 67.5758, 86.4748, 78.7753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

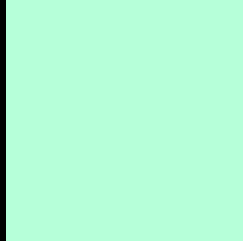
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5758, 86.4748, 78.7753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

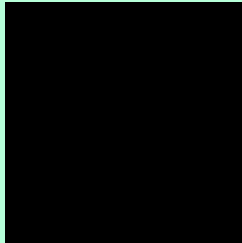
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

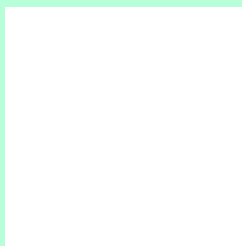
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.5758, 86.4748, 78.7753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5758, 86.4748, 78.7753.



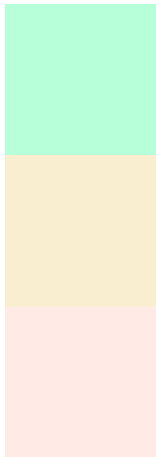
This preview shows how white text looks on a background with the XYZ color 67.5758, 86.4748,



# 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

67.5758, 86.4748, 78.7753

### Protanopia

81.3840, 86.0271, 71.9900

### Deuteranopia

84.9457, 85.8188, 86.9505



## Tritanopia

78.4250, 86.3684, 107.1451

# Trichromacy



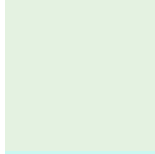
## Original Color

67.5758, 86.4748, 78.7753



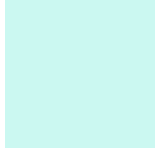
## Protanomaly

75.1599, 85.4121, 74.1528



## Deuteranomaly

77.3376, 85.4345, 83.6485



## Tritanomaly

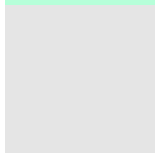
74.0732, 86.1822, 95.9498

# Monochromacy



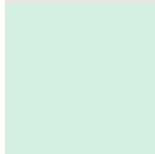
## Original Color

67.5758, 86.4748, 78.7753



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

71.3165, 80.5824, 83.0293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5758, 86.4748, 78.7753 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(182, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 217)  
}
```

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(182, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5758, 86.4748, 78.7753 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(182, 255, 217) }
```



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

```
.border{ border-color:rgb(182, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5758, 86.4748, 78.7753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 217) }
```

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

```
.background{ background-color: rgb(182,  
255, 217) }
```

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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