

# Converting Colors

XYZ(67.5717, 86.5849, 73.7073)

Have a look what the booklet for  
XYZ(67.5717, 86.5849, 73.7073)  
contains.

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# Color

**XYZ(67.5183, 86.5626,  
73.4713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFD1
RGB	186, 255, 209
RGB Percent	73%, 100%, 82%
CMY	0.2706, 0.0000, 0.1804
CMYK	0.27, 0.00, 0.18, 0.00
HSL	140°, 100%, 86%
HSV	140°, 27%, 100%
XYZ	67.5183, 86.5626, 73.4713
YIQ	229.1250, -26.3580, -28.9340

# Conversions

## Conversions Part 2

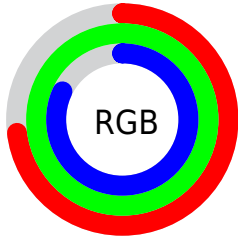
Format	Color
<a href="#">RYB</a>	<a href="#">186, 238, 255</a>
Decimal	<a href="#">12255185</a>
CIELab	<a href="#">94.55, -30.39, 15.19</a>
CIELCh	<a href="#">95, 33.969, 153.445</a>
Yxy	<a href="#">86.5626, 0.2967, 0.3804</a>
Android (android.graphics.Color)	<a href="#">4290445265</a> ( <a href="#">0xFFBAFFD1</a> )
YUV	<a href="#">229.1250, -9.9216, -37.8206</a>
Hunter-Lab	<a href="#">93.0390, -33.2811, 18.3070</a>

# Details

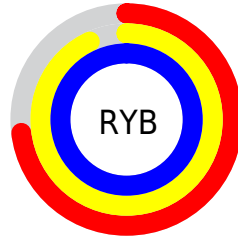
The XYZ color **67.5183, 86.5626, 73.4713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.3646, 62.2046, 84.4834**, and the grayscale version is **74.6524, 78.5402, 85.5302**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **35.4706, 47.5800, 38.3247** is the 20% darker color. If you saturate the color by 10%, you get **59.8724, 82.8513, 62.7070**, and if you desaturate by 10%, it is **76.4956, 90.9342, 85.4731**.

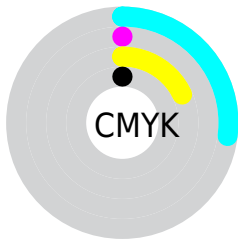
# Distribution



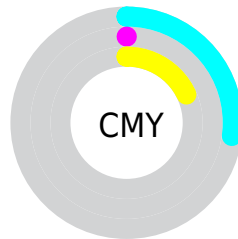
- Red (73%)
- Green (100%)
- Blue (82%)



- Red (73%)
- Yellow (93%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5183, 86.5626, 73.4713 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 67.5183, 86.5626, 73.4713 by changing the saturation by 10% instead.





 67.5183, 86.5626,  
73.4713

 67.5183, 86.5626,  
73.4713


441.1910,  
516.7845, 491.7611

 49.7782, 65.1333,  
53.8673


 114.7085,  
142.5543, 125.8732

 35.4543, 47.5692,  
38.1031


144.8892,  
177.8855, 159.5081

 24.1812, 33.4858,  
25.7603


179.9476,  
218.6195, 198.6570

 15.5935, 22.4989,  
16.4202

220.2490,  
265.1406, 243.7385

 9.3260, 14.2239,  
9.6644

266.1586,  
317.8333, 295.1712

 5.0132, 8.2766,  
5.0744

318.0419,

 2.2899, 4.2724,

377.0819, 353.3734

2.2315

376.2643,  
443.2708, 418.7639

■ 0.7895, 1.8271,  
0.6924

■ 0.0000, 0.5040,  
0.0000

■ 67.5183, 86.5626,  
73.4713

■ 67.5183, 86.5626,  
73.4713

■ 59.8724, 82.8513,  
62.7070

■ 76.4956, 90.9342,  
85.4731

■ 53.4901, 79.7663,  
53.1362

■ 86.8634, 95.9959,  
98.7459

■ 48.3004, 77.2718,  
44.7186

95.0500, 100.0000,  
108.9000

■ 44.2243, 75.3281,  
37.4097

■ 41.1726, 73.8900,  
31.1624

■ 39.0413, 72.9050,  
25.9256

■ 37.6996, 72.3067,  
21.6436

■ 37.3999, 72.1759,  
20.5554

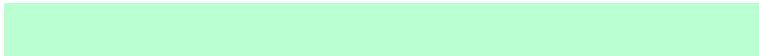
# Harmonies

## Analogous

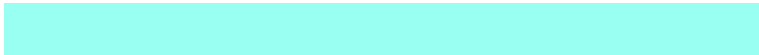
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9537, 86.5626, 58.1472



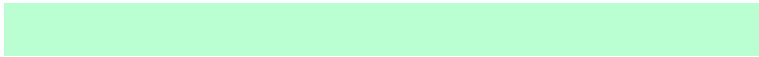
67.5183, 86.5626, 73.4713



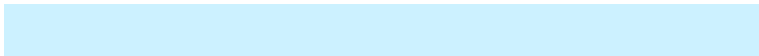
65.9318, 86.5626, 97.3127

# Triad

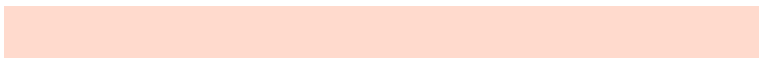
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5183, 86.5626, 73.4713



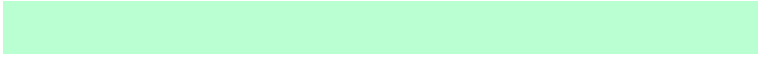
83.3370, 86.5626, 154.0314



97.8476, 86.5626, 69.1177

# Complementary

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



67.5183, 86.5626, 73.4713



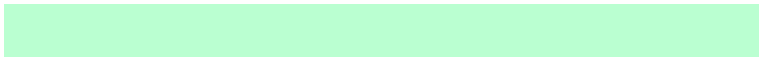
73.3646, 62.2046, 84.4834

# 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.



101.1181, 86.5626, 91.2561



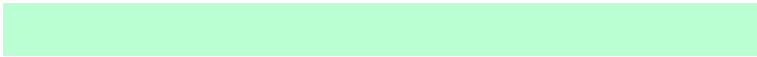
67.5183, 86.5626, 73.4713



92.3586, 86.5626, 142.8622

# Square

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



67.5183, 86.5626, 73.4713



74.6571, 86.5626, 146.8953



99.0393, 86.5626, 118.6223

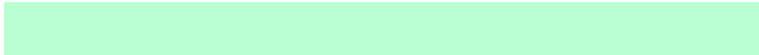


90.3946, 86.5626, 55.9802



# Rectangle

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



67.5183, 86.5626, 73.4713



67.1652, 86.5626, 115.7566



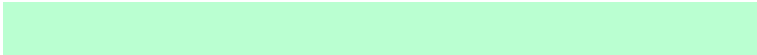
99.0393, 86.5626, 118.6223



99.4966, 86.5626, 75.5906

# Sweetspot

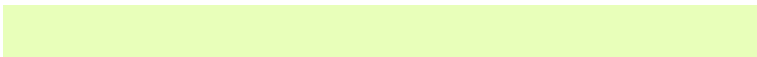
The Sweet Spot groups the original color and five complimentary colors.



67.5190, 86.5629, 73.4727



85.8261, 95.4890, 97.4407



77.9020, 92.2211, 60.1498



18.0213, 20.2680, 20.4151



0.0000, 0.0000, 0.0000

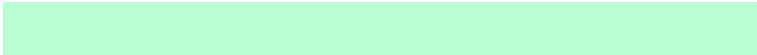


20.3446, 21.4041, 23.3091

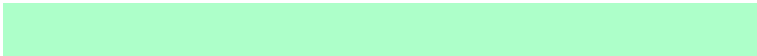


# Same Dimension

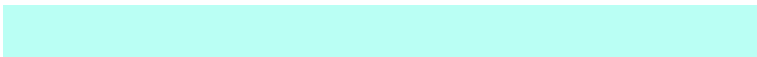
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.5190, 86.5629, 73.4727



63.5779, 84.6482, 68.0006



72.2634, 88.4606, 98.4566



18.0213, 20.2680, 20.4151



19.6038, 37.7381, 11.0647



1.9570, 3.6937, 1.3315



# Inverse Universe

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



73.3646, 62.2046, 84.4834



70.2360, 56.8910, 80.5316



68.9348, 60.4327, 61.1564



18.5201, 18.1914, 21.3561



25.4120, 12.6541, 21.3520

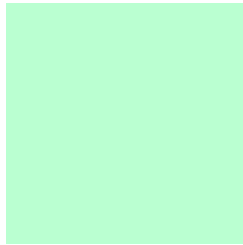


2.5250, 1.2524, 2.3463



# Previews

## White Background



This preview shows how the XYZ color 67.5183, 86.5626, 73.4713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

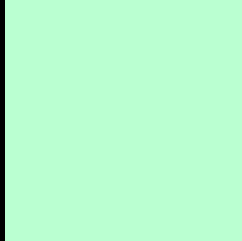
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5183, 86.5626, 73.4713 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

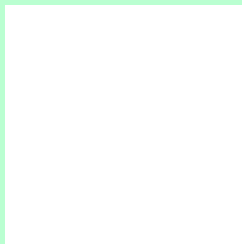
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 67.5183, 86.5626, 73.4713**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.5183, 86.5626, 73.4713.



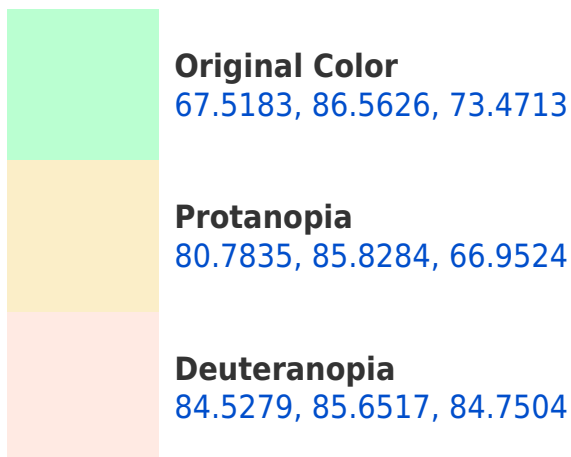
This preview shows how white text looks on a background with the XYZ color 67.5183, 86.5626,



# 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

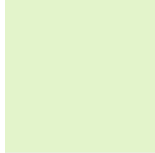
78.4195, 85.9201, 107.0588

# Trichromacy



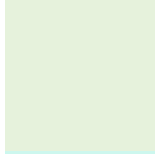
## Original Color

67.5183, 86.5626, 73.4713



## Protanomaly

74.8087, 85.3441, 69.0301



## Deuteranomaly

77.3035, 85.4946, 80.1379



## Tritanomaly

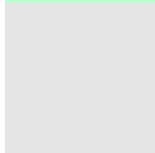
73.8702, 85.6737, 93.5322

# Monochromacy



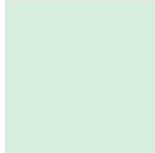
## Original Color

67.5183, 86.5626, 73.4713



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

71.1999, 80.5691, 80.9060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5183, 86.5626, 73.4713 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(186, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 209)  
}
```

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(186, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5183, 86.5626, 73.4713 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".

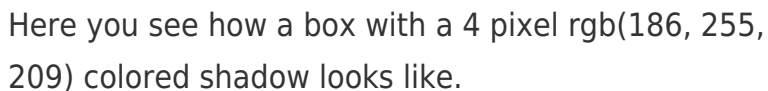
```
.border, #border, table{ border:4px solid rgb(186, 255, 209) }
```



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

```
.border{ border-color:rgb(186, 255, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5183, 86.5626, 73.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 209) }
```

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

```
.background{ background-color: rgb(186,  
255, 209) }
```

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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