

# Converting Colors

XYZ(67.1273, 85.1253, 73.5765)

Have a look what the booklet for  
XYZ(67.1273, 85.1253, 73.5765)  
contains.

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# Color

**XYZ(67.1823, 84.9653,  
73.8318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCFCD2
RGB	188, 252, 210
RGB Percent	74%, 99%, 82%
CMY	0.2627, 0.0117, 0.1765
CMYK	0.25, 0.00, 0.17, 0.01
HSL	141°, 91%, 86%
HSV	141°, 25%, 99%
XYZ	67.1823, 84.9653, 73.8318
YIQ	228.0760, -24.6620, -26.6300

# Conversions

## Conversions Part 2

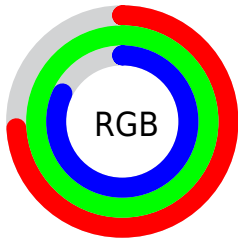
Format	Color
<a href="#">RYB</a>	<a href="#">188, 236, 252</a>
Decimal	<a href="#">12385490</a>
CIELab	<a href="#">93.87, -28.18, 13.72</a>
CIElCh	<a href="#">94, 31.341, 154.038</a>
Yxy	<a href="#">84.9653, 0.2973, 0.3760</a>
Android (android.graphics.Color)	<a href="#">4290575570 (0xFFBCFCD2)</a>
YUV	<a href="#">228.0760, -8.9115, -35.1467</a>
Hunter-Lab	<a href="#">92.1766, -31.2106, 17.0334</a>

# Details

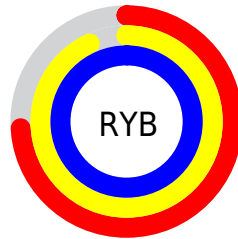
The XYZ color **67.1823, 84.9653, 73.8318** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4140, 62.3771, 83.0899**, and the grayscale version is **73.8764, 77.7237, 84.6411**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.1044, 46.3833, 38.1130** is the 20% darker color. If you saturate the color by 10%, you get **59.5531, 81.2606, 63.2698**, and if you desaturate by 10%, it is **76.1131, 89.3211, 85.5699**.

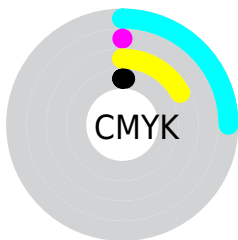
# Distribution



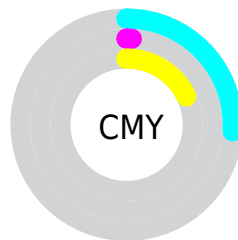
- Red (74%)
- Green (99%)
- Blue (82%)



- Red (74%)
- Yellow (93%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (1%)




- Cyan (26%)
- Magenta (1%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1823, 84.9653, 73.8318 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 67.1823, 84.9653, 73.8318 by changing the saturation by 10% instead.




 67.1823, 84.9653,  
73.8318

 67.1823, 84.9653,  
73.8318


440.0157,  
511.5132, 493.0405

 49.5040, 63.8127,  
54.1604


 114.2299,  
140.3247, 126.3892

 35.2357, 46.4990,  
38.3359


144.3300,  
175.3003, 160.1123

 24.0118, 32.6398,  
25.9396


179.3014,  
215.6523, 199.3564

 15.4672, 21.8506,  
16.5531

219.5095,  
261.7652, 244.5400

 9.2364, 13.7472,  
9.7578

265.3196,  
314.0234, 296.0817

 4.9540, 7.9450,  
5.1352

317.0971,

 2.2548, 4.0598,

372.8112, 354.3999

2.2667

375.2073,  
438.5130, 419.9134

■ 0.7714, 1.7071,  
0.7125

■ 0.0000, 0.4282,  
0.0000

■ 67.1823, 84.9653,  
73.8318

■ 67.1823, 84.9653,  
73.8318

■ 59.5531, 81.2606,  
63.2698

■ 76.1131, 89.3211,  
85.5699

■ 53.1557, 78.1646,  
53.8418

■ 86.3968, 94.3468,  
98.5133

■ 47.9243, 75.6467,  
45.5110

■ 94.1020, 98.1040,  
108.5840

■ 43.7837, 73.6689,  
38.2370

■ 40.6496, 72.1885,  
31.9764

■ 38.4245, 71.1563,  
26.6827

■ 36.9890, 70.5117,  
22.3055

■ 36.5169, 70.3060,  
20.5820

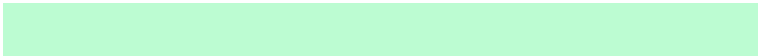
# Harmonies

## Analogous

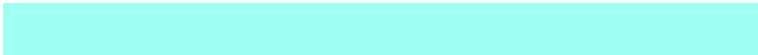
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1107, 84.9653, 59.4403



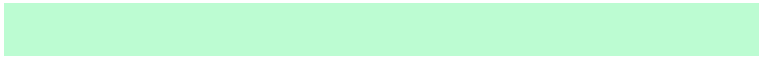
67.1823, 84.9653, 73.8318



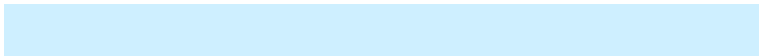
65.7960, 84.9653, 95.7842

# Triad

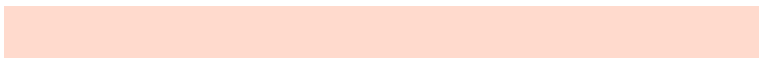
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1823, 84.9653, 73.8318



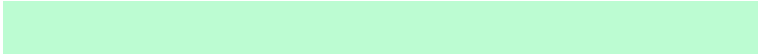
81.8913, 84.9653, 146.2925



94.7852, 84.9653, 69.1170

# Complementary

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



67.1823, 84.9653, 73.8318



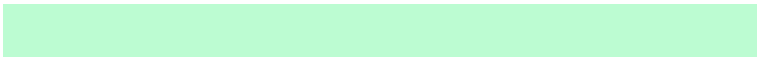
72.4140, 62.3771, 83.0899

# 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.



97.8296, 84.9653, 89.3166



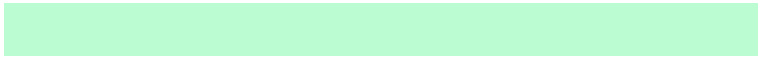
67.1823, 84.9653, 73.8318



90.0681, 84.9653, 136.0190

# Square

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



67.1823, 84.9653, 73.8318



73.9394, 84.9653, 140.2431



96.0471, 84.9653, 114.1056

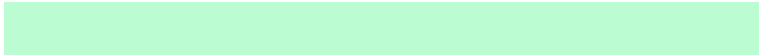


87.9812, 84.9653, 57.0649



# Rectangle

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



67.1823, 84.9653, 73.8318



66.9813, 84.9653, 112.5064



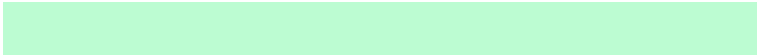
96.0471, 84.9653, 114.1056



96.3027, 84.9653, 75.0404

# Sweetspot

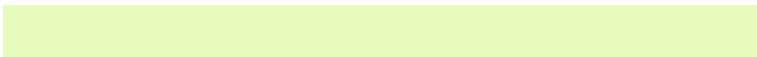
The Sweet Spot groups the original color and five complimentary colors.



67.1846, 84.9689, 73.8337



85.8578, 95.5017, 97.6078



76.7381, 90.1891, 60.9417



18.0293, 20.2712, 20.4570



0.0000, 0.0000, 0.0000

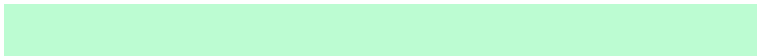


20.3446, 21.4041, 23.3091

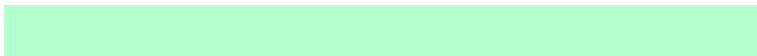


# Same Dimension

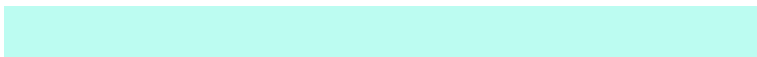
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1846, 84.9689, 73.8337



65.2298, 85.4422, 70.6824



71.4792, 86.6867, 96.4488



17.2636, 19.4077, 19.5888



19.0833, 36.6463, 11.0479



1.8151, 3.4132, 1.2744



# Inverse Universe

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



72.4140, 62.3771, 83.0899



71.3617, 58.9408, 81.5280



68.4008, 60.7718, 61.9566



17.7247, 17.4172, 20.4061



24.5397, 12.2316, 20.0824

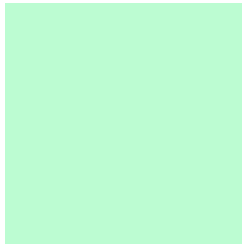


2.3226, 1.1528, 2.1222



# Previews

## White Background



This preview shows how the XYZ color 67.1823, 84.9653, 73.8318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

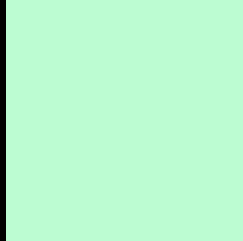
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.1823, 84.9653, 73.8318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

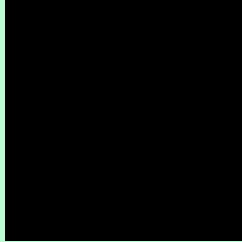
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

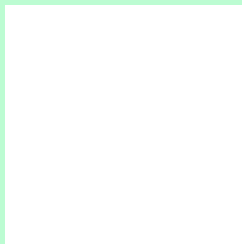
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.1823, 84.9653, 73.8318

## Background



This preview shows how black text looks on a background with the XYZ color 67.1823, 84.9653, 73.8318.



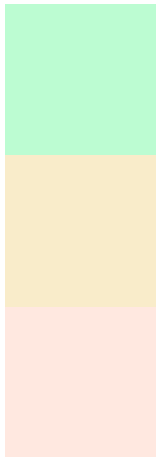
This preview shows how white text looks on a background with the XYZ color 67.1823, 84.9653,

73.8318.

# 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

67.1823, 84.9653, 73.8318

### Protanopia

79.7230, 84.3949, 67.9651

### Deuteranopia

83.5512, 84.3550, 82.3995



## Tritanopia

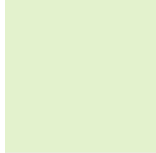
76.9535, 84.7213, 106.9047

# Trichromacy



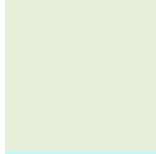
## Original Color

67.1823, 84.9653, 73.8318



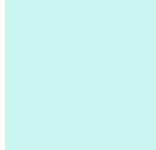
## Protanomaly

74.4501, 84.2429, 70.0942



## Deuteranomaly

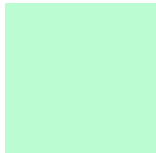
76.6077, 83.8364, 79.1622



## Tritanomaly

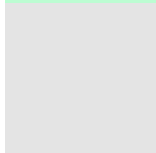
73.1644, 84.8400, 94.1809

# Monochromacy



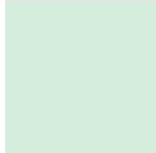
## Original Color

67.1823, 84.9653, 73.8318



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

70.7759, 79.9350, 80.1053

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1823, 84.9653, 73.8318 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(188, 252, 210)` looks like.

```
.text, #text, p{  
    color:rgb(188, 252, 210)  
}
```

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(188, 252, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 252, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1823, 84.9653, 73.8318 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(188, 252, 210) }
```



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

```
.border{ border-color:rgb(188, 252, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 252, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 252, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 252, 210);  
box-shadow:4px 4px 4px 4px rgb(188, 252,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1823, 84.9653, 73.8318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 252, 210) }
```

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

```
.background{ background-color: rgb(188,  
252, 210) }
```

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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