

# Converting Colors

XYZ(69.4787, 87.5717, 73.6288)

Have a look what the booklet for  
XYZ(69.4787, 87.5717, 73.6288)  
contains.

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# Color

**XYZ(69.5168, 87.5928,  
73.5648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2FFD1
RGB	194, 255, 209
RGB Percent	76%, 100%, 82%
CMY	0.2392, 0.0000, 0.1804
CMYK	0.24, 0.00, 0.18, 0.00
HSL	135°, 100%, 88%
HSV	135°, 24%, 100%
XYZ	69.5168, 87.5928, 73.5648
YIQ	231.5170, -21.5900, -27.2380

# Conversions

## Conversions Part 2

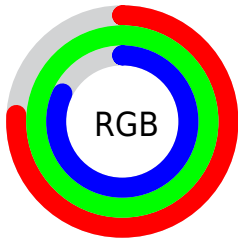
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 243, 255
Decimal	12779473
CIELab	94.99, -27.91, 15.86
CIELCh	95, 32.104, 150.384
Yxy	87.5928, 0.3014, 0.3797
Android (android.graphics.Color)	4290969553 (0xFFC2FFD1)
YUV	231.5170, -11.1009, -32.9024
Hunter-Lab	93.5910, -31.1995, 18.9103

# Details

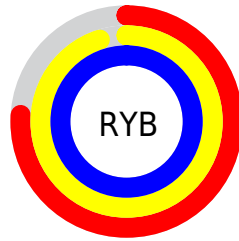
The XYZ color **69.5168, 87.5928, 73.5648** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2603, 66.1356, 91.1839**, and the grayscale version is **76.4323, 80.4127, 87.5695**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **36.6743, 48.2102, 37.9444** is the 20% darker color. If you saturate the color by 10%, you get **61.2850, 83.6078, 61.4930**, and if you desaturate by 10%, it is **79.1604, 92.2723, 87.2054**.

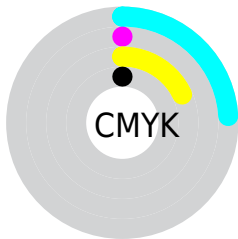
# Distribution



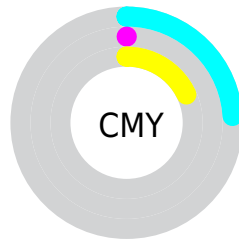
- Red (76%)
- Green (100%)
- Blue (82%)



- Red (76%)
- Yellow (95%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5168, 87.5928, 73.5648 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 69.5168, 87.5928, 73.5648 by changing the saturation by 10% instead.





 69.5168, 87.5928,  
73.5648

 69.5168, 87.5928,  
73.5648


448.1445,  
520.1688, 492.0932

 51.4109, 65.9859,  
53.9433


 117.5495,  
143.9901, 126.0070

 36.7581, 48.2609,  
38.1635


148.2069,  
179.5493, 159.6648

 25.1931, 34.0336,  
25.8068


183.7789,  
220.5281, 198.8385

 16.3504, 22.9194,  
16.4547

224.6308,  
267.3107, 243.9465

 9.8649, 14.5340,  
9.6886

271.1279,  
320.2818, 295.4074

 5.3710, 8.4930,  
5.0901

323.6357,

 2.5035, 4.4120,

379.8255, 353.6398

2.2406

382.5194,  
446.3264, 419.0622

■ 0.8970, 1.9066,  
0.6976

■ 0.0000, 0.5523,  
0.0000

■ 69.5168, 87.5928,  
73.5648

■ 69.5168, 87.5928,  
73.5648

■ 61.2850, 83.6078,  
61.4930

■ 79.1604, 92.2723,  
87.2054

■ 54.3953, 80.2827,  
50.9296

■ 90.2765, 97.6767,  
102.4641

■ 48.7752, 77.5814,  
41.8163

95.0500, 100.0000,  
108.9000

■ 44.3445, 75.4637,  
34.0892

■ 41.0133, 73.8848,  
27.6799

■ 38.6782, 72.7929,  
22.5140

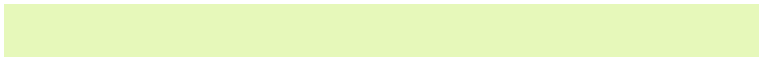
■ 37.2148, 72.1256,  
18.5093

■ 36.6491, 71.8756,  
16.6017

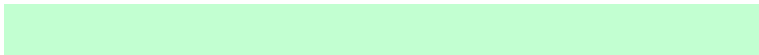
# Harmonies

## Analogous

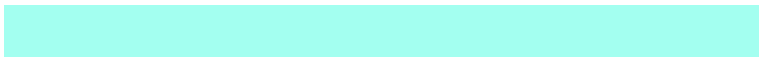
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0613, 87.5928, 59.6690



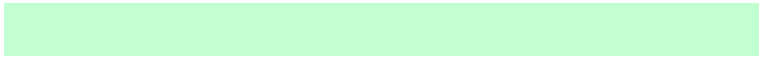
69.5168, 87.5928, 73.5648



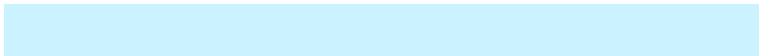
67.5936, 87.5928, 95.6961

# Triad

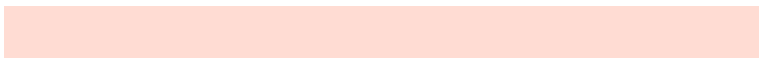
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.5168, 87.5928, 73.5648



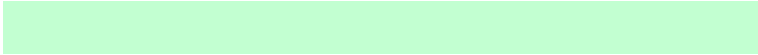
83.3669, 87.5928, 151.8768



98.5661, 87.5928, 73.0966

# Complementary

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



69.5168, 87.5928, 73.5648



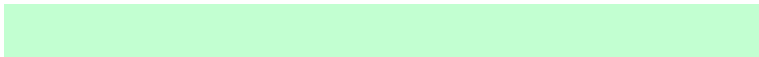
76.2603, 66.1356, 91.1839

# 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.



101.1645, 87.5928, 95.0519



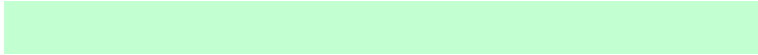
69.5168, 87.5928, 73.5648



92.0229, 87.5928, 143.0638

# Square

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



69.5168, 87.5928, 73.5648



75.2432, 87.5928, 143.4864



98.6920, 87.5928, 121.1158

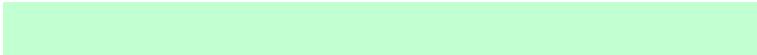


91.8148, 87.5928, 59.4337



# Rectangle

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



69.5168, 87.5928, 73.5648



68.5108, 87.5928, 113.0895



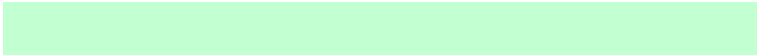
98.6920, 87.5928, 121.1158



99.9744, 87.5928, 79.6119

# Sweetspot

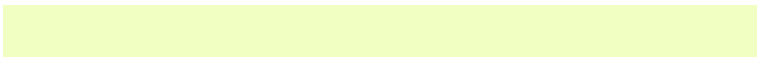
The Sweet Spot groups the original color and five complimentary colors.



69.5175, 87.5931, 73.5662



86.6931, 95.9335, 97.5901



81.6940, 94.0749, 64.8926



18.4091, 20.4624, 20.6877



0.0000, 0.0000, 0.0000

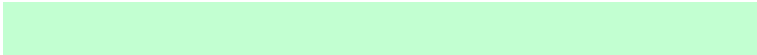


20.3446, 21.4041, 23.3091

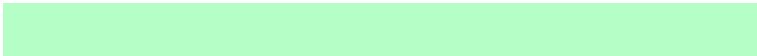


# Same Dimension

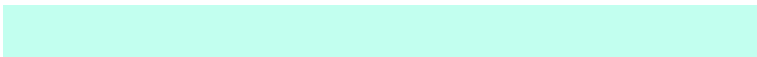
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5175, 87.5931, 73.5662



65.1639, 85.4843, 67.2418



73.5493, 89.2058, 94.7973



17.9547, 20.2414, 20.0645



19.1991, 37.5762, 8.9337



1.9105, 3.6751, 1.0863



# Inverse Universe

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



76.2603, 66.1356, 91.1839



73.0330, 60.4317, 87.7941



72.1985, 64.5109, 69.7945



18.5905, 18.2195, 21.7268



26.5996, 13.1291, 27.6056

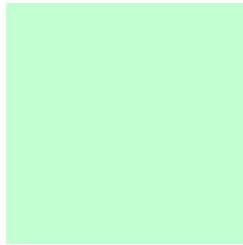


2.6331, 1.2956, 2.9155



# Previews

## White Background



This preview shows how the XYZ color 69.5168, 87.5928, 73.5648 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 69.5168, 87.5928, 73.5648 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 69.5168, 87.5928, 73.5648

## Background



This preview shows how black text looks on a background with the XYZ color 69.5168, 87.5928, 73.5648.



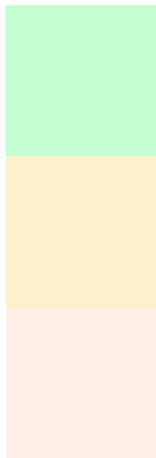
This preview shows how white text looks on a background with the XYZ color 69.5168, 87.5928,

73.5648.

# 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

69.5168, 87.5928, 73.5648

### Protanopia

81.9171, 86.8327, 67.7012

### Deuteranopia

85.3783, 86.9080, 86.4038



## **Tritanopia**

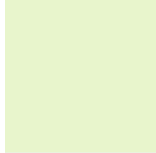
80.2195, 87.2935, 107.2291

# Trichromacy



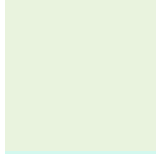
## Original Color

69.5168, 87.5928, 73.5648



## Protanomaly

76.8302, 86.8203, 69.8353



## Deuteranomaly

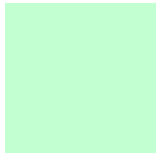
78.8397, 86.6987, 81.6865



## Tritanomaly

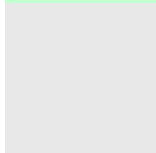
75.8640, 87.1567, 93.7134

# Monochromacy



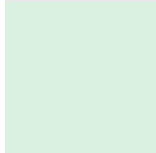
## Original Color

69.5168, 87.5928, 73.5648



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.5281, 82.6074, 82.5905

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.5168, 87.5928, 73.5648 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(194, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(194, 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(194, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 69.5168, 87.5928, 73.5648 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(194, 255, 209) }
```



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

```
.border{ border-color:rgb(194, 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(194, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.5168, 87.5928, 73.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 209) }
```

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

```
.background{ background-color: rgb(194,  
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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