

# Converting Colors

XYZ(69.8767, 88.0410, 72.6108)

Have a look what the booklet for  
XYZ(69.8767, 88.0410, 72.6108)  
contains.

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# Color

**XYZ(69.7874, 87.7608,  
72.2928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFCF
RGB	196, 255, 207
RGB Percent	77%, 100%, 81%
CMY	0.2314, 0.0000, 0.1882
CMYK	0.23, 0.00, 0.19, 0.00
HSL	131°, 100%, 88%
HSV	131°, 23%, 100%
XYZ	69.7874, 87.7608, 72.2928
YIQ	231.8870, -19.7560, -27.4360

# Conversions

## Conversions Part 2

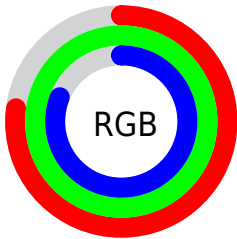
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 246, 255
Decimal	12910543
CIELab	95.06, -27.63, 17.00
CIElCh	95, 32.445, 148.392
Yxy	87.7608, 0.3036, 0.3818
Android (android.graphics.Color)	4291100623 (0xFFC4FFCF)
YUV	231.8870, -12.2693, -31.4729
Hunter-Lab	93.6807, -30.9678, 19.8228

# Details

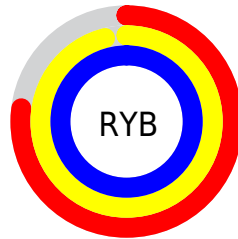
The XYZ color **69.7874, 87.7608, 72.2928** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.3092, 67.2720, 94.4975**, and the grayscale version is **76.7162, 80.7115, 87.8948**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **36.9284, 48.3508, 37.5233** is the 20% darker color. If you saturate the color by 10%, you get **61.3364, 83.6781, 59.5163**, and if you desaturate by 10%, it is **79.7002, 92.5584, 86.8800**.

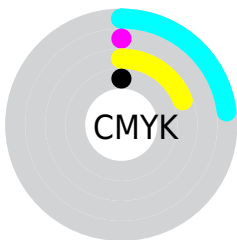
# Distribution



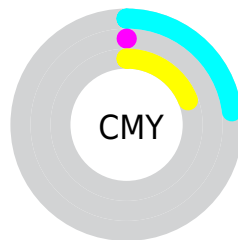
- Red (77%)
- Green (100%)
- Blue (81%)



- Red (77%)
- Yellow (96%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7874, 87.7608, 72.2928 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 69.7874, 87.7608, 72.2928 by changing the saturation by 10% instead.




 69.7874, 87.7608,  
72.2928

 69.7874, 87.7608,  
72.2928


449.0812,  
520.7196, 487.5650

 51.6322, 66.1250,  
52.9096


117.9334,  
144.2241, 124.1843

 36.9351, 48.3739,  
37.3434


148.6550,  
179.8204, 157.5297

 25.3307, 34.1231,  
25.1756


184.2961,  
220.8389, 196.3662

 16.4536, 22.9882,  
15.9877

225.2220,  
267.6641, 241.1125

 9.9386, 14.5848,  
9.3612

271.7981,  
320.6804, 292.1869

 5.4202, 8.5285,  
4.8775

324.3898,

 2.5331, 4.4349,

380.2722, 350.0081

2.1181

383.3624,  
446.8237, 414.9946

■ 0.9120, 1.9197,  
0.6265

■ 0.0000, 0.5602,  
0.0000

■ 69.7874, 87.7608,  
72.2928

■ 69.7874, 87.7608,  
72.2928

■ 61.3364, 83.6781,  
59.5163

■ 79.7002, 92.5584,  
86.8800

■ 54.2755, 80.2751,  
48.4759

■ 91.1381, 98.1023,  
103.3404

■ 48.5295, 77.5146,  
39.0977

■ 95.0500, 100.0000,  
108.9000

■ 44.0156, 75.3555,  
31.3009

■ 40.6410, 73.7519,  
24.9981

■ 38.2996, 72.6509,  
20.0933

■ 36.8638, 71.9893,  
16.4789

■ 36.2842, 71.7297,  
14.6804

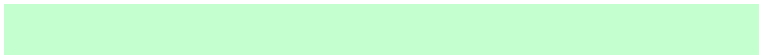
# Harmonies

## Analogous

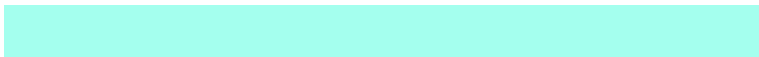
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6065, 87.7608, 58.8788



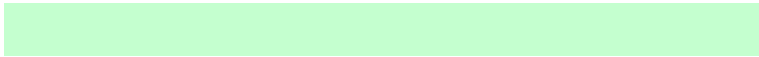
69.7874, 87.7608, 72.2928



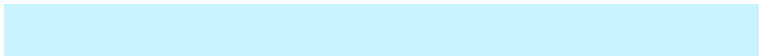
67.5830, 87.7608, 94.1998

# Triad

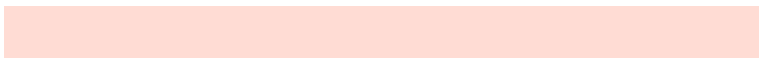
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.7874, 87.7608, 72.2928



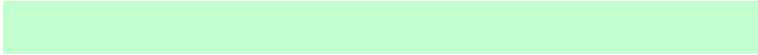
82.9389, 87.7608, 152.7987



99.2416, 87.7608, 74.2710

# Complementary

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



69.7874, 87.7608, 72.2928



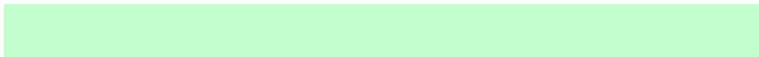
77.3092, 67.2720, 94.4975

# 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.



101.5422, 87.7608, 96.9263



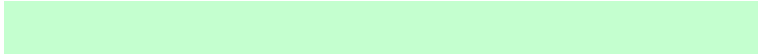
69.7874, 87.7608, 72.2928



91.7413, 87.7608, 144.9731

# Square

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



69.7874, 87.7608, 72.2928



74.8370, 87.7608, 143.1806



98.7081, 87.7608, 123.3419

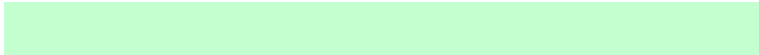


92.6226, 87.7608, 59.8715



# Rectangle

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



69.7874, 87.7608, 72.2928



68.3328, 87.7608, 111.7159



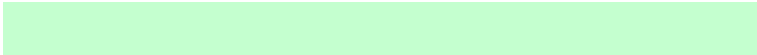
98.7081, 87.7608, 123.3419



100.5653, 87.7608, 81.0359

# Sweetspot

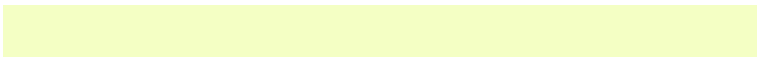
The Sweet Spot groups the original color and five complimentary colors.



69.7880, 87.7610, 72.2942



86.5345, 95.8701, 96.7550



83.0959, 94.7715, 66.1384



18.3725, 20.4477, 20.4949



0.0000, 0.0000, 0.0000

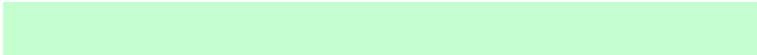


20.3446, 21.4041, 23.3091

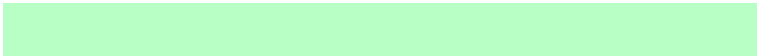


# Same Dimension

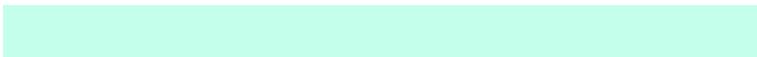
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7880, 87.7610, 72.2942



65.4996, 85.6883, 65.8584



73.7117, 89.3305, 92.9561



17.9099, 20.2235, 19.8285



18.9986, 37.4960, 7.8781



1.8850, 3.6649, 0.9523



# Inverse Universe

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



77.3092, 67.2720, 94.4975



74.2775, 61.7670, 91.7654



73.2054, 65.6305, 72.8871



18.6388, 18.2388, 21.9812



27.5149, 13.4952, 32.4254

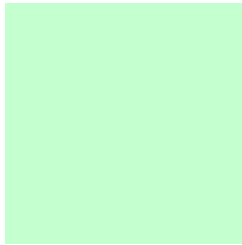


2.7149, 1.3283, 3.3460



# Previews

## White Background



This preview shows how the XYZ color 69.7874, 87.7608, 72.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

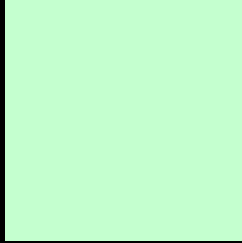
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7874, 87.7608, 72.2928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

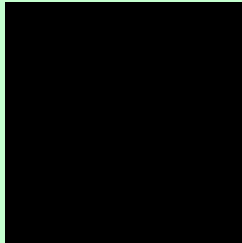
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.7874, 87.7608, 72.2928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.7874, 87.7608, 72.2928.



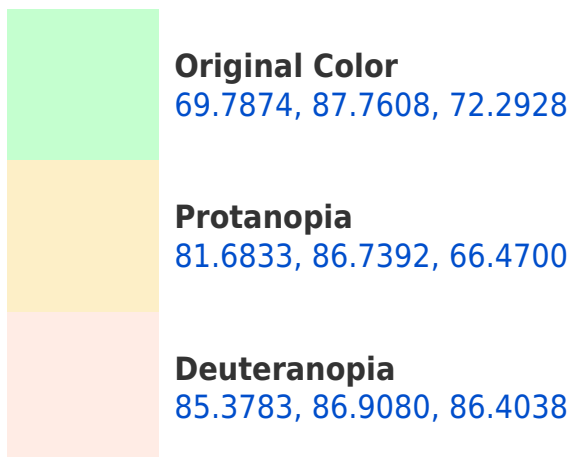
This preview shows how white text looks on a background with the XYZ color 69.7874, 87.7608,

72.2928.

# 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

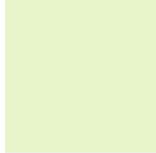
80.8321, 87.6093, 107.2577

# Trichromacy



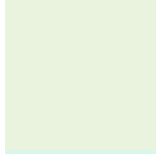
## Original Color

69.7874, 87.7608, 72.2928



## Protanomaly

76.5918, 86.7249, 68.5799



## Deuteranomaly

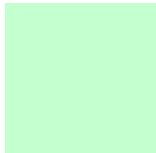
79.0334, 86.8141, 80.9979



## Tritanomaly

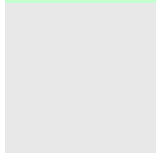
76.4406, 87.4540, 93.7404

# Monochromacy



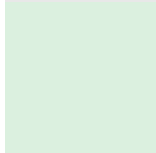
## Original Color

69.7874, 87.7608, 72.2928



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.6928, 82.7080, 81.8922

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7874, 87.7608, 72.2928 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(196, 255, 207)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 207)  
}
```

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(196, 255, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7874, 87.7608, 72.2928 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(196, 255, 207) }
```



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

```
.border{ border-color:rgb(196, 255, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 207);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7874, 87.7608, 72.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 207) }
```

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

```
.background{ background-color: rgb(196,  
255, 207) }
```

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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