

# Converting Colors

XYZ(69.9725, 86.4719, 70.2876)

Have a look what the booklet for  
XYZ(69.9725, 86.4719, 70.2876)  
contains.

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# Color

**XYZ(70.0666, 86.5370,  
70.1372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFCCC
RGB	202, 252, 204
RGB Percent	79%, 99%, 80%
CMY	0.2078, 0.0117, 0.2000
CMYK	0.20, 0.00, 0.19, 0.01
HSL	122°, 89%, 89%
HSV	122°, 20%, 99%
XYZ	70.0666, 86.5370, 70.1372
YIQ	231.5780, -14.3920, -25.5280

# Conversions

## Conversions Part 2

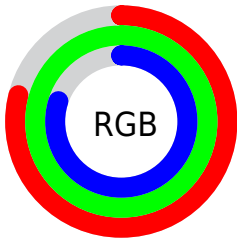
Format	Color
R <sub>Y</sub> B	202, 250, 252
Decimal	13302988
CIE Lab	94.54, -24.80, 17.86
CIE LCh	95, 30.559, 144.232
Yxy	86.5370, 0.3090, 0.3817
Android (android.graphics.Color)	4291493068 (0xFFCAFCCC)
YUV	231.5780, -13.5960, -25.9399
Hunter-Lab	93.0253, -28.3481, 20.4155

# Details

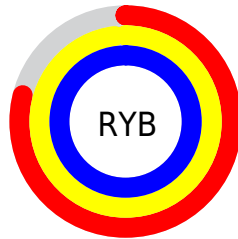
The XYZ color **70.0666, 86.5370, 70.1372** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.5237, 69.8405, 99.7881**, and the grayscale version is **76.4943, 80.4780, 87.6405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0527, 47.4353, 36.0572** is the 20% darker color. If you saturate the color by 10%, you get **61.1171, 82.2355, 55.7304**, and if you desaturate by 10%, it is **80.5850, 91.6002, 86.9736**.

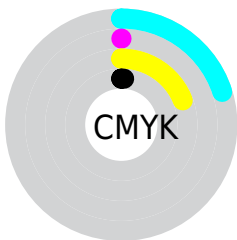
# Distribution



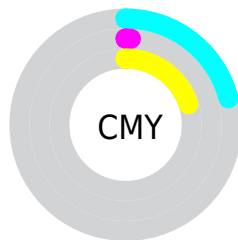
- Red (79%)
- Green (99%)
- Blue (80%)



- Red (79%)
- Yellow (98%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)



- Cyan (21%)
- Magenta (1%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0666, 86.5370, 70.1372 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 70.0666, 86.5370, 70.1372 by changing the saturation by 10% instead.




 70.0666, 86.5370,  
70.1372

 70.0666, 86.5370,  
70.1372


450.0466,  
516.7002, 479.8337

 51.8606, 65.1121,  
51.1609


118.3295,  
142.5186, 121.0873

 37.1178, 47.5520,  
35.9591


149.1171,  
177.8441, 153.8983

 25.4728, 33.4722,  
24.1131

184.8293,  
218.5720, 192.1578

 16.5603, 22.4885,  
15.2046

225.8314,  
265.0866, 236.2845

 10.0148, 14.2163,  
8.8149

272.4889,  
317.7723, 286.6969

 5.4711, 8.2712,  
4.5255

325.1670,

 2.5638, 4.2690,

377.0136, 343.8136

1.9178

384.2311,  
443.1948, 408.0530

■ 0.9276, 1.8251,  
0.5040

■ 0.0000, 0.5028,  
0.0000

■ 70.0666, 86.5370,  
70.1372

■ 70.0666, 86.5370,  
70.1372

■ 61.1171, 82.2355,  
55.7304

■ 80.5850, 91.6002,  
86.9736

■ 53.6547, 78.6485,  
43.6359

■ 92.7349, 97.4477,  
106.3385

■ 47.6010, 75.7405,  
33.7349

■ 94.1021, 98.1042,  
108.5840

■ 42.8674, 73.4689,  
25.8960

■ 39.3554, 71.7858,  
19.9738

■ 36.9527, 70.6370,  
15.8039

■ 35.5262, 69.9579,  
13.1943

■ 34.8744, 69.6497,  
11.9063

■ 34.8673, 69.6463,  
11.8950

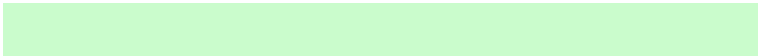
# Harmonies

## Analogous

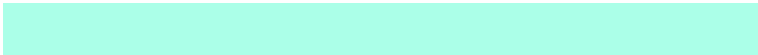
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9249, 86.5370, 58.6421



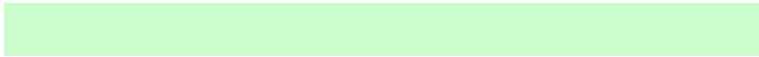
70.0666, 86.5370, 70.1372



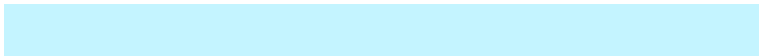
67.4885, 86.5370, 89.7418

# Triad

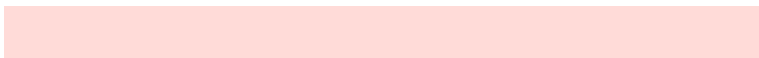
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0666, 86.5370, 70.1372



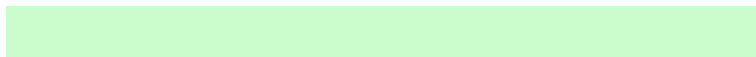
80.6705, 86.5370, 146.8949



97.5427, 86.5370, 76.8192

# Complementary

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



70.0666, 86.5370, 70.1372



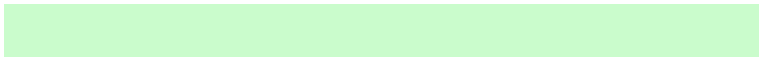
78.5237, 69.8405, 99.7881

# 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.



99.0226, 86.5370, 98.8531



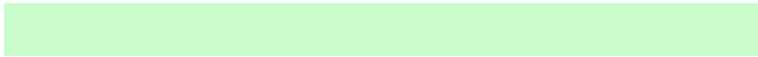
70.0666, 86.5370, 70.1372



88.9187, 86.5370, 141.8922

# Square

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



70.0666, 86.5370, 70.1372



73.3430, 86.5370, 135.9912



95.7715, 86.5370, 123.2767

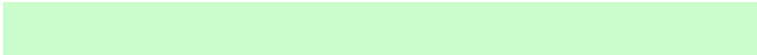


91.8522, 86.5370, 62.0257



# Rectangle

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



70.0666, 86.5370, 70.1372



67.8446, 86.5370, 105.8117



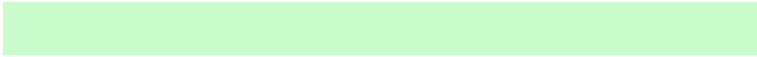
95.7715, 86.5370, 123.2767



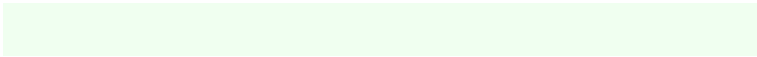
98.5643, 86.5370, 83.5149

# Sweetspot

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



70.0689, 86.5407, 70.1391



87.3680, 96.3026, 96.6649



85.0187, 94.2751, 69.5939



18.5294, 20.5304, 20.4176



0.0000, 0.0000, 0.0000

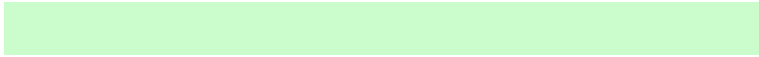


20.3446, 21.4041, 23.3091

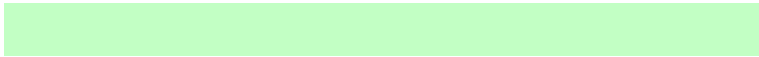


# Same Dimension

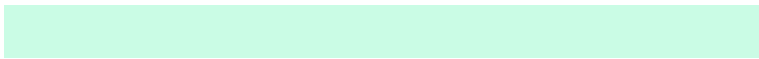
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0689, 86.5407, 70.1391



67.9490, 86.9598, 65.5768



73.2664, 87.8197, 86.9768



17.0455, 19.3205, 18.4403



18.1745, 36.2828, 6.2622



1.6929, 3.3642, 0.6305



# Inverse Universe

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



78.5237, 69.8405, 99.7881



78.1455, 66.8179, 101.3325



74.9043, 68.3928, 80.7284



17.9613, 17.5119, 21.6518



29.2677, 14.1228, 44.9798

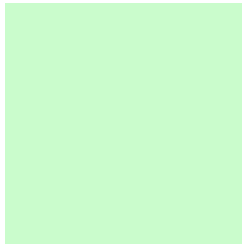


2.7198, 1.3116, 4.2137



# Previews

## White Background



This preview shows how the XYZ color 70.0666, 86.5370, 70.1372 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

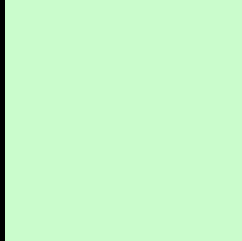
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0666, 86.5370, 70.1372 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

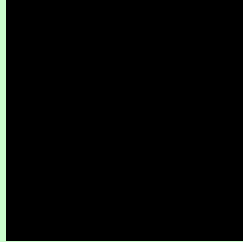
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

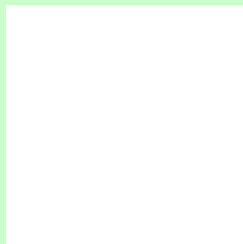
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.0666, 86.5370, 70.1372**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.0666, 86.5370, 70.1372.



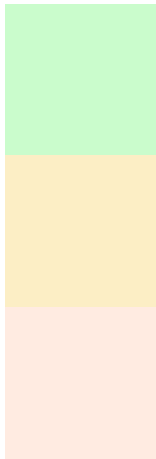
This preview shows how white text looks on a background with the XYZ color 70.0666, 86.5370,

70.1372.

# 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

70.0666, 86.5370, 70.1372

### Protanopia

80.7975, 85.8757, 65.1405

### Deuteranopia

84.5389, 86.1129, 83.3999



## Tritanopia

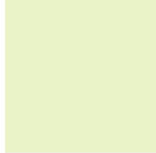
79.9263, 86.2539, 107.0438

# Trichromacy



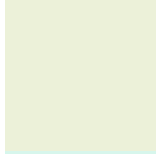
## Original Color

70.0666, 86.5370, 70.1372



## Protanomaly

76.4076, 85.7637, 67.1705



## Deuteranomaly

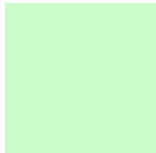
78.5718, 85.7532, 78.0565



## Tritanomaly

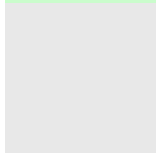
76.1204, 86.4147, 92.0246

# Monochromacy



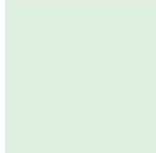
## Original Color

70.0666, 86.5370, 70.1372



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.8701, 82.3791, 81.1146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0666, 86.5370, 70.1372 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(202, 252, 204)` looks like.

```
.text, #text, p{  
    color:rgb(202, 252, 204)  
}
```

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(202, 252, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 252, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0666, 86.5370, 70.1372 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(202, 252, 204) }
```



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

```
.border{ border-color:rgb(202, 252, 204) }
```

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

Here you see how a box with a 4 pixel rgb(202, 252, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 252, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 252, 204);  
box-shadow:4px 4px 4px 4px rgb(202, 252,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0666, 86.5370, 70.1372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 252, 204) }
```

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

```
.background{ background-color: rgb(202,  
252, 204) }
```

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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