

# Converting Colors

XYZ(70.9141, 83.3031, 69.7119)

Have a look what the booklet for  
XYZ(70.9141, 83.3031, 69.7119)  
contains.

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# Color

**XYZ(70.9813, 83.3571,  
69.4752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F4CC
RGB	214, 244, 204
RGB Percent	84%, 96%, 80%
CMY	0.1608, 0.0431, 0.2000
CMYK	0.12, 0.00, 0.16, 0.04
HSL	105°, 65%, 88%
HSV	105°, 16%, 96%
XYZ	70.9813, 83.3571, 69.4752
YIQ	230.4700, -5.0400, -18.8000

# Conversions

## Conversions Part 2

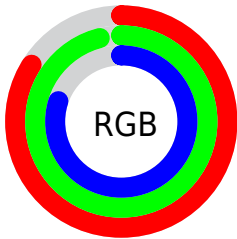
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	204, 244, 234
Decimal	14087372
CIE <sub>Lab</sub>	93.17, -16.93, 16.04
CIE <sub>LCh</sub>	93, 23.324, 136.539
Yxy	83.3571, 0.3171, 0.3724
Android (android.graphics.Color)	4292277452 (0xFFD6F4CC)
YUV	230.4700, -13.0497, -14.4442
Hunter-Lab	91.3001, -21.0003, 18.7931

# Details

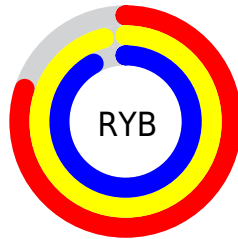
The XYZ color **70.9813, 83.3571, 69.4752** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.8571, 67.2122, 94.7782**, and the grayscale version is **75.6603, 79.6005, 86.6849**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7863, 45.5394, 35.6526** is the 20% darker color. If you saturate the color by 10%, you get **63.2369, 79.6792, 55.0142**, and if you desaturate by 10%, it is **79.7889, 87.5350, 86.3828**.

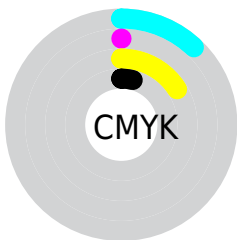
# Distribution



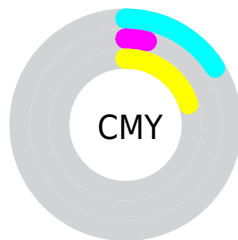
- Red (84%)
- Green (96%)
- Blue (80%)



- Red (80%)
- Yellow (96%)
- Blue (92%)



- Cyan (12%)
- Magenta (0%)
- Yellow (16%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9813, 83.3571, 69.4752 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 70.9813, 83.3571, 69.4752 by changing the saturation by 10% instead.



70.9813, 83.3571,  
69.4752

70.9813, 83.3571,  
69.4752

453.2009,  
506.1759, 477.4444

52.6094, 62.4848,  
50.6247

119.6258,  
138.0755, 120.1341

37.7173, 45.4245,  
35.5353

150.6290,  
172.6904, 152.7796

25.9396, 31.7919,  
23.7887

186.5735,  
212.6549, 190.8605

16.9109, 21.2026,  
14.9662

227.8245,  
258.3534, 234.7952

10.2659, 13.2722,  
8.6493

274.7474,  
310.1704, 285.0025

5.6392, 7.6163,  
4.4195

327.7075,

2.6655, 3.8504,

368.4902, 341.9007

1.8582

387.0702,  
433.6972, 405.9085

■ 0.9795, 1.5902,  
0.4659

■ 0.0000, 0.3510,  
0.0000

■ 70.9813, 83.3571,  
69.4752

■ 70.9813, 83.3571,  
69.4752

■ 63.2369, 79.6792,  
55.0142

■ 79.7889, 87.5350,  
86.3828

■ 56.5079, 76.4719,  
42.8812

■ 89.6918, 92.2197,  
105.8371

■ 50.7528, 73.7187,  
32.9561

■ 91.6423, 93.1846,  
107.7641

■ 45.9244, 71.3984,  
25.1058

■ 41.9714, 69.4875,  
19.1828

■ 38.8371, 67.9606,  
15.0205

■ 36.4573, 66.7888,  
12.4235

■ 34.7559, 65.9381,  
11.1482

■ 34.2762, 65.6964,  
10.8741

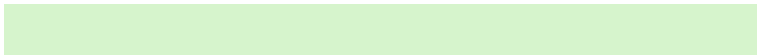
# Harmonies

## Analogous

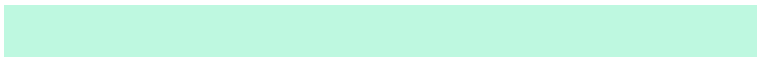
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9219, 83.3571, 62.1077



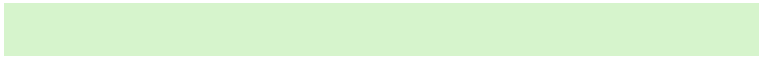
70.9813, 83.3571, 69.4752



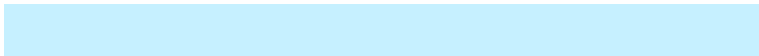
68.3145, 83.3571, 83.1318

# Triad

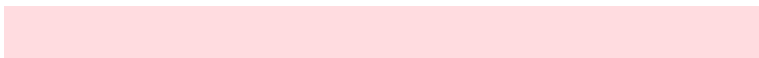
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9813, 83.3571, 69.4752



76.5174, 83.3571, 127.6877



91.0671, 83.3571, 81.4921

# Complementary

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



70.9813, 83.3571, 69.4752



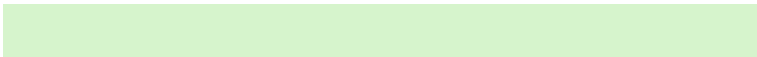
71.8571, 67.2122, 94.7782

# Split Complementary

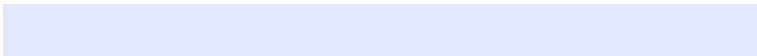
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.2469, 83.3571, 98.8448



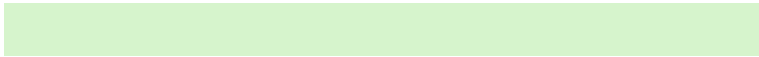
70.9813, 83.3571, 69.4752



82.6295, 83.3571, 127.0999

# Square

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



70.9813, 83.3571, 69.4752



71.3978, 83.3571, 117.5200



88.0908, 83.3571, 116.0046

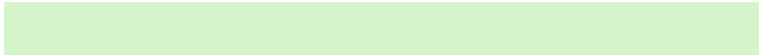


87.6116, 83.3571, 68.4087

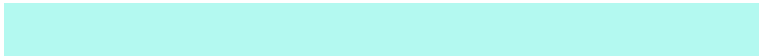


# Rectangle

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



70.9813, 83.3571, 69.4752



68.0910, 83.3571, 94.6582



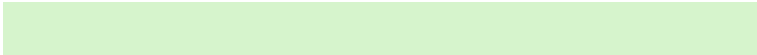
88.0908, 83.3571, 116.0046



91.5186, 83.3571, 86.9737

# Sweetspot

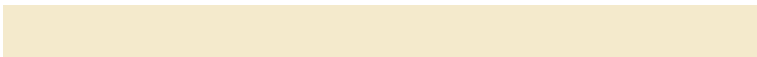
The Sweet Spot groups the original color and five complimentary colors.



70.9835, 83.3607, 69.4770



89.6334, 97.4370, 98.2844



77.6336, 82.4420, 68.9492



19.0276, 20.7809, 20.7299



0.0000, 0.0000, 0.0000

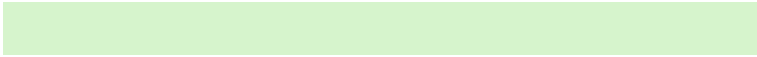


20.3446, 21.4041, 23.3091

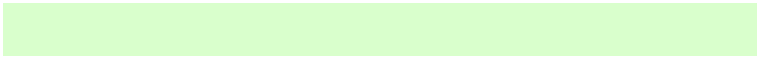


# Same Dimension

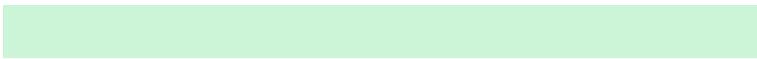
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9835, 83.3607, 69.4770



75.1994, 90.5927, 70.6495



69.3927, 82.3975, 75.8672



16.6703, 18.6721, 17.5230



18.7412, 35.7743, 5.9174



1.7375, 3.1908, 0.5243



# Inverse Universe

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



71.8571, 67.2122, 94.7782



76.3475, 69.3276, 103.9654



73.7554, 68.3616, 87.1531



16.7855, 16.5476, 20.8519



19.6303, 9.0941, 47.2587

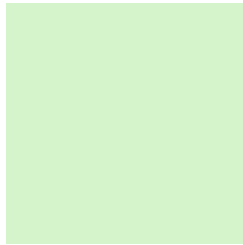


1.8186, 0.8474, 4.1579



# Previews

## White Background



This preview shows how the XYZ color 70.9813, 83.3571, 69.4752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

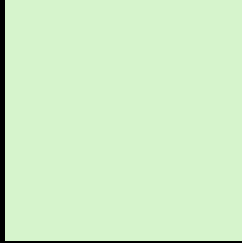
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.9813, 83.3571, 69.4752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

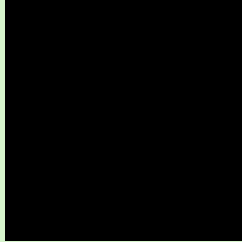
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

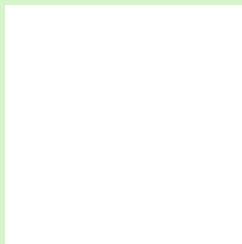
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.9813, 83.3571, 69.4752**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.9813, 83.3571, 69.4752.



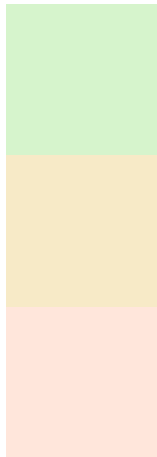
This preview shows how white text looks on a background with the XYZ color 70.9813, 83.3571,

69.4752.

# 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

70.9813, 83.3571, 69.4752

### Protanopia

78.0894, 82.7433, 65.8881

### Deuteranopia

82.3230, 82.9681, 78.6934



## Tritanopia

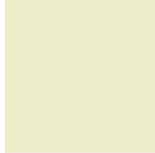
78.7656, 83.4763, 106.5689

# Trichromacy



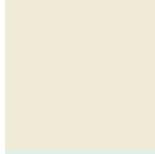
## Original Color

70.9813, 83.3571, 69.4752



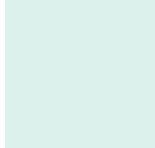
## Protanomaly

75.3781, 83.0283, 67.3116



## Deuteranomaly

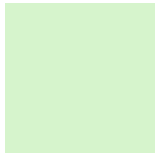
77.7811, 82.7970, 75.5002



## Tritanomaly

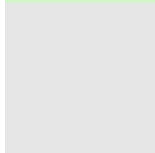
75.8156, 83.5919, 91.4958

# Monochromacy



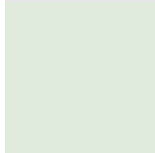
## Original Color

70.9813, 83.3571, 69.4752



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

73.4999, 80.4844, 80.0678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.9813, 83.3571, 69.4752 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(214, 244, 204)` looks like.

```
.text, #text, p{  
    color:rgb(214, 244, 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(214, 244, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 244, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 70.9813, 83.3571, 69.4752 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(214, 244, 204) }
```



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

```
.border{ border-color:rgb(214, 244, 204) }
```

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

Here you see how a box with a 4 pixel rgb(214, 244, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 244, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 244, 204);  
box-shadow:4px 4px 4px 4px rgb(214, 244,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.9813, 83.3571, 69.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 244, 204) }
```

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

```
.background{ background-color: rgb(214,  
244, 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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