

# Converting Colors

XYZ(70.4830, 86.8824, 71.2164)

Have a look what the booklet for  
XYZ(70.4830, 86.8824, 71.2164)  
contains.

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# Color

**XYZ(70.3081, 86.6336,  
71.4088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFCCE
RGB	202, 252, 206
RGB Percent	79%, 99%, 81%
CMY	0.2078, 0.0117, 0.1921
CMYK	0.20, 0.00, 0.18, 0.01
HSL	125°, 89%, 89%
HSV	125°, 20%, 99%
XYZ	70.3081, 86.6336, 71.4088
YIQ	231.8060, -15.0340, -24.9060

# Conversions

## Conversions Part 2

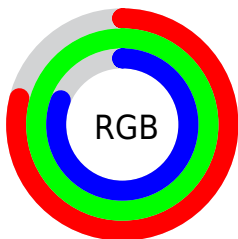
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 248, 252
Decimal	13302990
CIE <sub>Lab</sub>	94.58, -24.45, 16.90
CIE <sub>LCh</sub>	95, 29.723, 145.360
Yxy	86.6336, 0.3079, 0.3794
Android (android.graphics.Color)	4291493070 (0xFFCAFCE)
YUV	231.8060, -12.7224, -26.1399
Hunter-Lab	93.0772, -28.0507, 19.6667

# Details

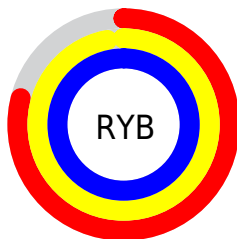
The XYZ color **70.3081, 86.6336, 71.4088** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2117, 69.7158, 98.1451**, and the grayscale version is **76.6588, 80.6510, 87.8290**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2152, 47.5003, 36.9128** is the 20% darker color. If you saturate the color by 10%, you get **61.4265, 82.3592, 57.3597**, and if you desaturate by 10%, it is **80.7233, 91.6555, 87.7020**.

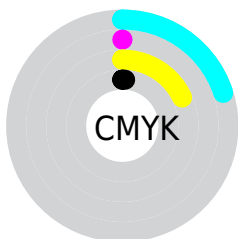
# Distribution



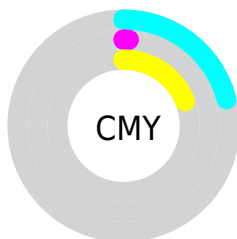
- Red (79%)
- Green (99%)
- Blue (81%)



- Red (79%)
- Yellow (97%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (1%)




- Cyan (21%)
- Magenta (1%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3081, 86.6336, 71.4088 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 70.3081, 86.6336, 71.4088 by changing the saturation by 10% instead.




 70.3081, 86.6336,  
71.4088

 70.3081, 86.6336,  
71.4088


450.8806,  
517.0181, 484.4033

 52.0583, 65.1920,  
52.1920

118.6719,  
142.6533, 122.9155

 37.2760, 47.6168,  
36.7748


149.5166,  
178.0003, 156.0425

 25.5959, 33.5235,  
24.7388


185.2902,  
218.7512, 194.6433

 16.6527, 22.5278,  
15.6653

226.3582,  
265.2903, 239.1364

 10.0809, 14.2452,  
9.1358

273.0859,  
318.0022, 289.9405

 5.5153, 8.2914,  
4.7319

325.8386,

 2.5905, 4.2820,

377.2712, 347.4740

2.0348

384.9817,  
443.4817, 412.1554

■ 0.9411, 1.8325,  
0.5766

■ 0.0000, 0.5073,  
0.0000

■ 70.3081, 86.6336,  
71.4088

■ 70.3081, 86.6336,  
71.4088

■ 61.4265, 82.3592,  
57.3597

■ 80.7233, 91.6555,  
87.7020

■ 53.9994, 78.7863,  
45.4510

■ 92.7324, 97.4467,  
106.3254

■ 47.9513, 75.8806,  
35.5793

■ 94.1021, 98.1042,  
108.5840

■ 43.1968, 73.6006,  
27.6306

■ 39.6414, 71.9002,  
21.4796

■ 37.1772, 70.7268,  
16.9860

■ 35.6771, 70.0182,  
13.9890

■ 34.9481, 69.6792,  
12.2942

■ 34.9398, 69.6753,  
12.2766

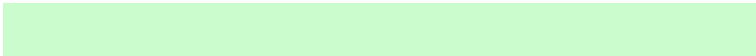
# Harmonies

## Analogous

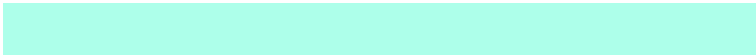
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9197, 86.6336, 59.8160



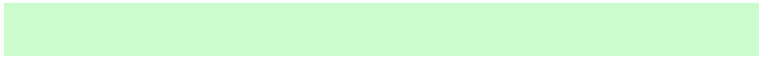
70.3081, 86.6336, 71.4088



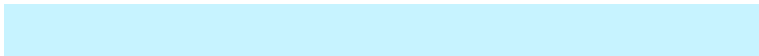
67.9234, 86.6336, 90.8049

# Triad

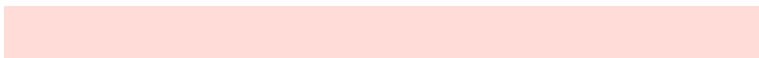
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.3081, 86.6336, 71.4088



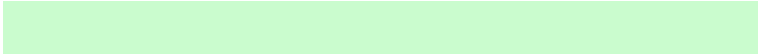
81.1027, 86.6336, 145.4878



97.0616, 86.6336, 76.6678

# Complementary

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



70.3081, 86.6336, 71.4088



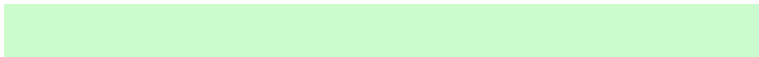
78.2117, 69.7158, 98.1451

# 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.



98.6705, 86.6336, 97.9436



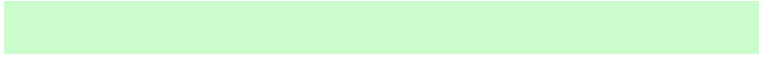
70.3081, 86.6336, 71.4088



89.1180, 86.6336, 140.0745

# Square

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



70.3081, 86.6336, 71.4088



73.8932, 86.6336, 135.4800



95.6776, 86.6336, 121.6941

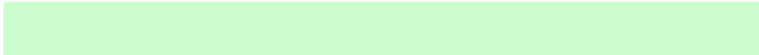


91.4129, 86.6336, 62.4893



# Rectangle

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



70.3081, 86.6336, 71.4088



68.3639, 86.6336, 106.5038



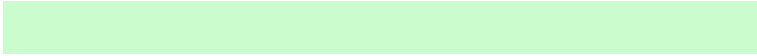
95.6776, 86.6336, 121.6941



98.1078, 86.6336, 83.1197

# Sweetspot

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



70.3104, 86.6373, 71.4107



87.4593, 96.3391, 97.1454



84.4230, 93.9680, 69.5661



18.5508, 20.5390, 20.5306



0.0000, 0.0000, 0.0000

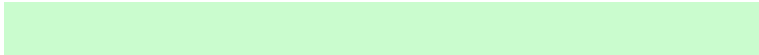


20.3446, 21.4041, 23.3091

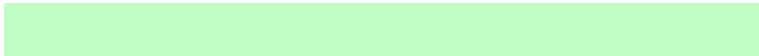


# Same Dimension

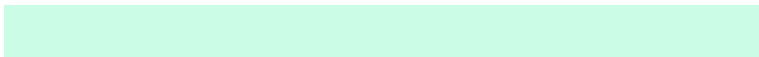
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3104, 86.6373, 71.4107



68.2304, 87.0723, 67.0587



73.4999, 87.9131, 88.2063



17.0737, 19.3318, 18.5888



18.2200, 36.3010, 6.5021



1.7063, 3.3696, 0.7011



# Inverse Universe

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



78.2117, 69.7158, 98.1451



77.7589, 66.6632, 99.2967



74.6775, 68.3021, 79.5342



17.9296, 17.4992, 21.4850



28.5132, 13.8210, 41.0067

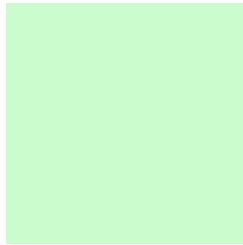


2.6581, 1.2870, 3.8888



# Previews

## White Background



This preview shows how the XYZ color 70.3081, 86.6336, 71.4088 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 70.3081, 86.6336, 71.4088 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

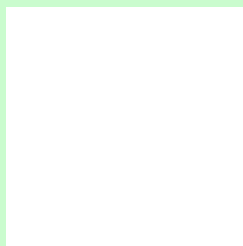
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.3081, 86.6336, 71.4088**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3081, 86.6336, 71.4088.



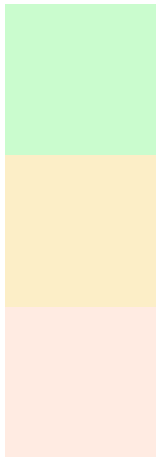
This preview shows how white text looks on a background with the XYZ color 70.3081, 86.6336,

71.4088.

# 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

70.3081, 86.6336, 71.4088

### Protanopia

81.0282, 85.9680, 66.3557

### Deuteranopia

84.6758, 86.1676, 84.1206



## **Tritanopia**

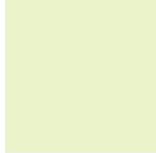
79.9263, 86.2539, 107.0438

# Trichromacy



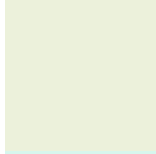
## Original Color

70.3081, 86.6336, 71.4088



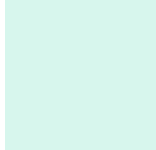
## Protanomaly

76.6429, 85.8579, 68.4098



## Deuteranomaly

78.8336, 85.8579, 79.4351



## Tritanomaly

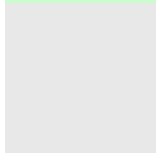
76.2662, 86.4730, 92.7921

# Monochromacy



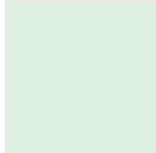
## Original Color

70.3081, 86.6336, 71.4088



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.0046, 82.4329, 81.8227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3081, 86.6336, 71.4088 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(202, 252, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 252, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3081, 86.6336, 71.4088 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, 206) }
```



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

```
.border{ border-color:rgb(202, 252, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 252, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 252, 206);  
box-shadow:4px 4px 4px 4px rgb(202, 252,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3081, 86.6336, 71.4088 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, 206) }
```

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

```
.background{ background-color: rgb(202,  
252, 206) }
```

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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