

# Converting Colors

XYZ(77.9805, 102.7373,  
72.0040)

Have a look what the booklet for  
XYZ(77.9805, 102.7373, 72.0040)  
contains.

<b>XYZ(70.8966, 88.3884, 69.8239)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(70.8966, 88.3884,  
69.8239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAFFCB
RGB	202, 255, 203
RGB Percent	79%, 100%, 80%
CMY	0.2078, 0.0000, 0.2039
CMYK	0.21, 0.00, 0.20, 0.00
HSL	121°, 100%, 90%
HSV	121°, 21%, 100%
XYZ	70.8966, 88.3884, 69.8239
YIQ	233.2250, -14.8960, -27.4080

# Conversions

## Conversions Part 2

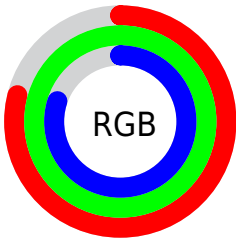
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 254, 255
Decimal	13303755
CIE <sub>Lab</sub>	95.32, -26.39, 19.47
CIE <sub>LCh</sub>	95, 32.797, 143.585
Yxy	88.3884, 0.3094, 0.3858
Android (android.graphics.Color)	4291493835 (0xFFCAFFCB)
YUV	233.2250, -14.9009, -27.3843
Hunter-Lab	94.0151, -29.9199, 21.7766

# Details

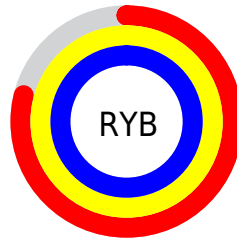
The XYZ color **70.8966, 88.3884, 69.8239** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.2501, 70.6573, 103.1738**, and the grayscale version is **77.7379, 81.7863, 89.0653**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6515, 48.7611, 35.8612** is the 20% darker color. If you saturate the color by 10%, you get **61.8123, 84.0223, 55.0710**, and if you desaturate by 10%, it is **81.6033, 93.5351, 87.1669**.

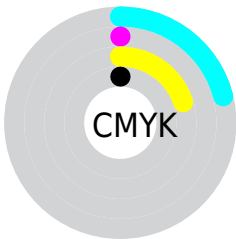
# Distribution



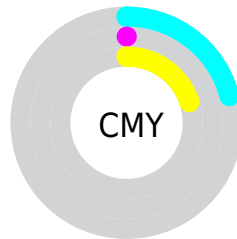
- Red (79%)
- Green (100%)
- Blue (80%)



- Red (79%)
- Yellow (100%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8966, 88.3884, 69.8239 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 70.8966, 88.3884, 69.8239 by changing the saturation by 10% instead.




 70.8966, 88.3884,  
69.8239

 70.8966, 88.3884,  
69.8239


452.9094,  
522.7743, 478.7039

 52.5400, 66.6448,  
50.9071


119.5058,  
145.0978, 120.6363

 37.6617, 48.7960,  
35.7584


150.4892,  
180.8323, 153.3690

 25.8963, 34.4577,  
23.9595


186.4122,  
221.9993, 191.5441

 16.8783, 23.2454,  
15.0916

227.6402,  
268.9831, 235.5801

 10.2425, 14.7748,  
8.7364

274.5385,  
322.1681, 285.8955

 5.6236, 8.6615,  
4.4752

327.4726,

 2.6560, 4.5211,

381.9387, 342.9089

1.8895

386.8078,  
448.6793, 407.0388

■ 0.9746, 1.9691,  
0.4860

■ 0.0000, 0.5894,  
0.0000

■ 70.8966, 88.3884,  
69.8239

■ 70.8966, 88.3884,  
69.8239

■ 61.8123, 84.0223,  
55.0710

■ 81.6033, 93.5351,  
87.1669

■ 54.2696, 80.3982,  
42.7800

■ 94.0043, 99.4972,  
107.2114

■ 48.1836, 77.4749,  
32.8183

■ 95.0500, 100.0000,  
108.9000

■ 43.4603, 75.2072,  
25.0390

■ 39.9947, 73.5446,  
19.2784

■ 37.6668, 72.4290,  
15.3501

■ 36.3330, 71.7914,  
13.0328

■ 35.7864, 71.5306,  
12.0589

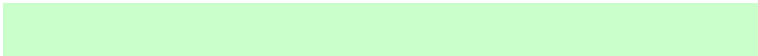
# Harmonies

## Analogous

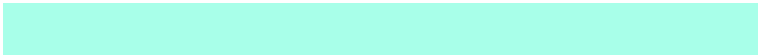
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3050, 88.3884, 57.7376



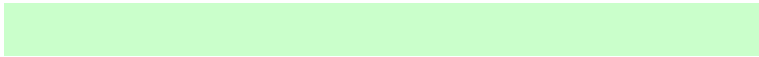
70.8966, 88.3884, 69.8239



68.0287, 88.3884, 90.8323

# Triad

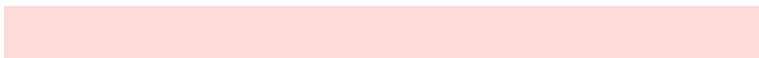
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8966, 88.3884, 69.8239



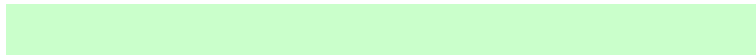
82.1005, 88.3884, 154.0608



100.8072, 88.3884, 77.8198

# Complementary

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



70.8966, 88.3884, 69.8239



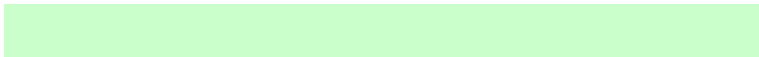
80.2501, 70.6573, 103.1738

# 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.



102.3177, 88.3884, 101.8580



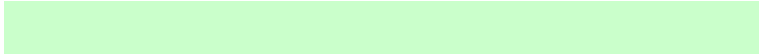
70.8966, 88.3884, 69.8239



91.0930, 88.3884, 148.9029

# Square

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



70.8966, 88.3884, 69.8239



74.1939, 88.3884, 141.6502



98.6494, 88.3884, 128.5973

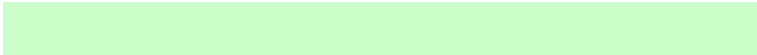


94.6570, 88.3884, 61.7479



# Rectangle

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



70.8966, 88.3884, 69.8239



68.3542, 88.3884, 108.2991



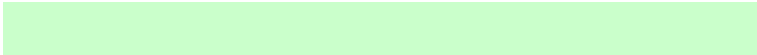
98.6494, 88.3884, 128.5973



101.8917, 88.3884, 85.1110

# Sweetspot

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



70.8972, 88.3886, 69.8253



87.3199, 96.2834, 96.4118



87.3366, 96.8772, 69.9739



18.5180, 20.5259, 20.3580



0.0000, 0.0000, 0.0000

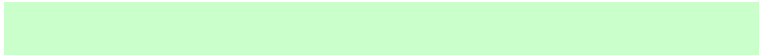


20.3446, 21.4041, 23.3091

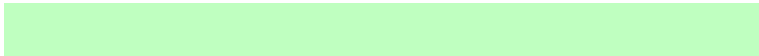


# Same Dimension

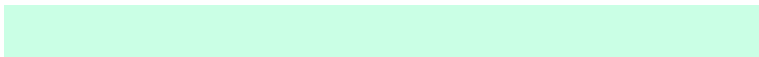
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8972, 88.3886, 69.8253



66.8736, 86.4547, 63.2961



74.3140, 89.7553, 87.8179



17.7855, 20.1737, 19.1734



18.7052, 37.3787, 6.3327



1.8259, 3.6413, 0.6412



# Inverse Universe

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



80.2501, 70.6573, 103.1738



77.7821, 65.7734, 102.1908



76.3113, 69.0818, 82.4326



18.7770, 18.2941, 22.7088



30.5869, 14.7241, 48.6026

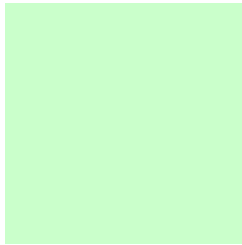


2.9827, 1.4355, 4.7563



# Previews

## White Background



This preview shows how the XYZ color 70.8966, 88.3884, 69.8239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

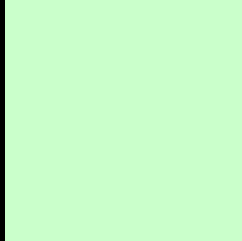
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8966, 88.3884, 69.8239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

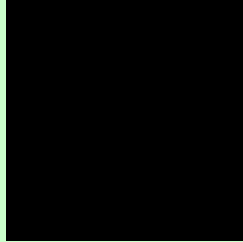
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

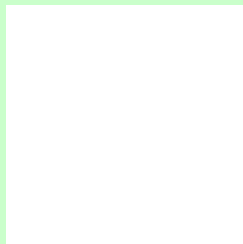
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.8966, 88.3884, 69.8239**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8966, 88.3884, 69.8239.



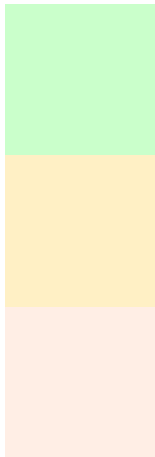
This preview shows how white text looks on a background with the XYZ color 70.8966, 88.3884,

69.8239.

# 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

70.8966, 88.3884, 69.8239

### Protanopia

82.4781, 87.6114, 65.3870

### Deuteranopia

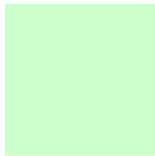
85.9574, 88.0662, 86.5968



## Tritanopia

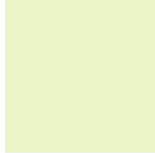
81.7647, 88.0901, 107.3014

# Trichromacy



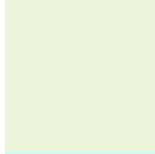
## Original Color

70.8966, 88.3884, 69.8239



## Protanomaly

77.5533, 87.2612, 66.7884



## Deuteranomaly

79.8610, 87.7015, 80.4291



## Tritanomaly

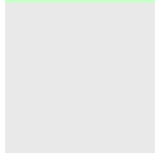
77.3230, 87.9426, 92.2562

# Monochromacy



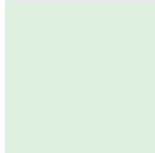
## Original Color

70.8966, 88.3884, 69.8239



## Achromatopsia

77.4512, 81.4847, 88.7368



## Achromatomaly

74.7643, 83.7141, 81.3252

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8966, 88.3884, 69.8239 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, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 203)  
}
```

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, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8966, 88.3884, 69.8239 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, 255, 203) }
```



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

```
.border{ border-color:rgb(202, 255, 203) }
```

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

Here you see how a box with a 4 pixel rgb(202, 255, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8966, 88.3884, 69.8239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 203) }
```

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

```
.background{ background-color: rgb(202,  
255, 203) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor