

# Converting Colors

XYZ(68.9351, 87.3542, 70.7698)

Have a look what the booklet for  
XYZ(68.9351, 87.3542, 70.7698)  
contains.

<b>XYZ(69.0276, 87.3971, 70.9888)</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(69.0276, 87.3971,  
70.9888)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C2FFCD
RGB	194, 255, 205
RGB Percent	76%, 100%, 80%
CMY	0.2392, 0.0000, 0.1961
CMYK	0.24, 0.00, 0.20, 0.00
HSL	131°, 100%, 88%
HSV	131°, 24%, 100%
XYZ	69.0276, 87.3971, 70.9888
YIQ	231.0610, -20.3060, -28.4820

# Conversions

## Conversions Part 2

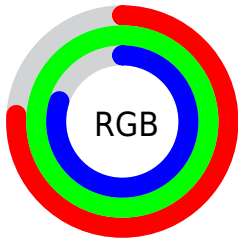
Format	Color
<a href="#">RYB</a>	<a href="#">194, 246, 255</a>
Decimal	<a href="#">12779469</a>
CIELab	<a href="#">94.91, -28.61, 17.80</a>
CIElCh	<a href="#">95, 33.695, 148.121</a>
Yxy	<a href="#">87.3971, 0.3035, 0.3843</a>
Android (android.graphics.Color)	<a href="#">4290969549</a> ( <a href="#">0xFFC2FFCD</a> )
YUV	<a href="#">231.0610, -12.8481, -32.5025</a>
Hunter-Lab	<a href="#">93.4864, -31.8021, 20.4187</a>

# Details

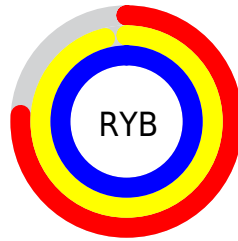
The XYZ color **69.0276, 87.3971, 70.9888** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.8612, 66.3760, 94.3484**, and the grayscale version is **76.1041, 80.0675, 87.1935**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **36.4275, 48.1115, 36.6447** is the 20% darker color. If you saturate the color by 10%, you get **60.6778, 83.3649, 58.2958**, and if you desaturate by 10%, it is **78.8388, 92.1437, 85.5123**.

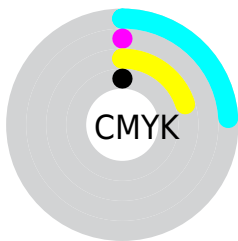
# Distribution



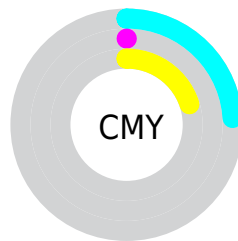
- Red (76%)
- Green (100%)
- Blue (80%)



- Red (76%)
- Yellow (96%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0276, 87.3971, 70.9888 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 69.0276, 87.3971, 70.9888 by changing the saturation by 10% instead.



 69.0276, 87.3971,  
70.9888

 69.0276, 87.3971,  
70.9888


446.4482,  
519.5268, 482.8969

 51.0109, 65.8239,  
51.8513


 116.8548,  
143.7175, 122.3121

 36.4384, 48.1294,  
36.5051


147.3961,  
179.2335, 155.3349

 24.9446, 33.9294,  
24.5318


182.8430,  
220.1658, 193.8233

 16.1643, 22.8394,  
15.5127

223.5607,  
266.8989, 238.1957

 9.7321, 14.4749,  
9.0294

269.9148,  
319.8172, 288.8708

 5.2826, 8.4517,  
4.6633

322.2705,

 2.4505, 4.3853,

379.3050, 346.2669

1.9958

380.9931,  
445.7467, 410.8028

■ 0.8703, 1.8914,  
0.5527

■ 0.0000, 0.5432,  
0.0000

■ 69.0276, 87.3971,  
70.9888

■ 69.0276, 87.3971,  
70.9888

■ 60.6778, 83.3649,  
58.2958

■ 78.8388, 92.1437,  
85.5123

■ 53.7167, 80.0113,  
47.3567

■ 90.1752, 97.6361,  
101.9307

■ 48.0686, 77.2987,  
38.0954

■ 95.0500, 100.0000,  
108.9000

■ 43.6494, 75.1856,  
30.4287

■ 40.3650, 73.6255,  
24.2664

■ 38.1075, 72.5647,  
19.5090

■ 36.7467, 71.9384,  
16.0448

■ 36.2529, 71.7172,  
14.5155

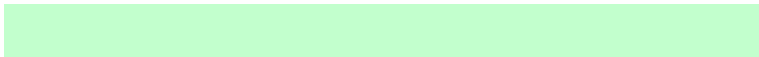
# Harmonies

## Analogous

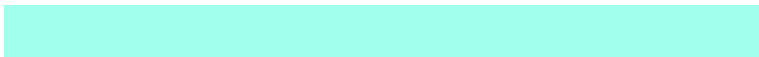
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0613, 87.3971, 57.3316



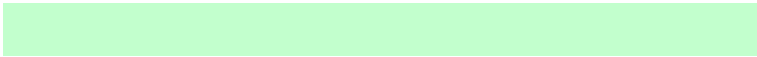
69.0276, 87.3971, 70.9888



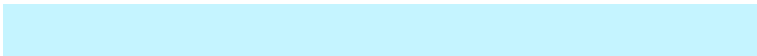
66.7204, 87.3971, 93.5206

# Triad

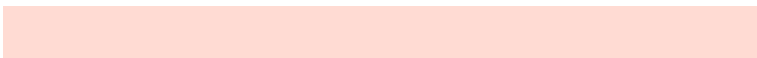
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.0276, 87.3971, 70.9888



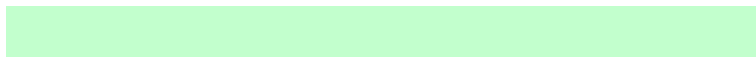
82.4937, 87.3971, 154.8132



99.5429, 87.3971, 73.3648

# Complementary

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



69.0276, 87.3971, 70.9888



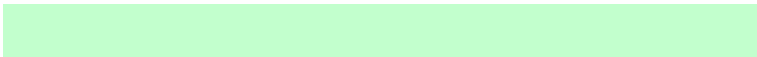
76.8612, 66.3760, 94.3484

# 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.



101.8897, 87.3971, 96.8196



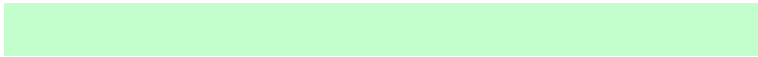
69.0276, 87.3971, 70.9888



91.6254, 87.3971, 146.7796

# Square

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



69.0276, 87.3971, 70.9888



74.1327, 87.3971, 144.5886



98.8945, 87.3971, 124.2772

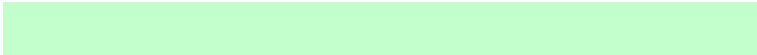


92.6945, 87.3971, 58.5163



# Rectangle

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



69.0276, 87.3971, 70.9888



67.4678, 87.3971, 111.6798



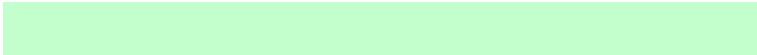
98.8945, 87.3971, 124.2772



100.9055, 87.3971, 80.3563

# Sweetspot

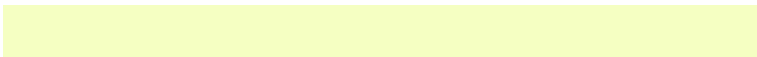
The Sweet Spot groups the original color and five complimentary colors.



69.0283, 87.3974, 70.9902



86.5182, 95.8636, 96.6694



83.0960, 94.7977, 64.9581



18.3688, 20.4462, 20.4751



0.0000, 0.0000, 0.0000

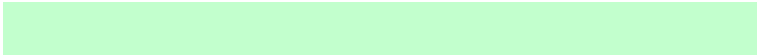


20.3446, 21.4041, 23.3091

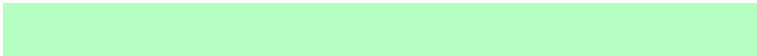


# Same Dimension

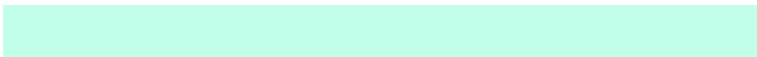
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0283, 87.3974, 70.9902



64.6088, 85.2622, 64.3186



72.9559, 88.9685, 91.6729



17.9053, 20.2216, 19.8043



18.9812, 37.4891, 7.7864



1.8827, 3.6640, 0.9399



# Inverse Universe

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



76.8612, 66.3760, 94.3484



73.7506, 60.7187, 91.5727



72.7125, 64.7165, 72.5017



18.6438, 18.2408, 22.0075



27.6141, 13.5349, 32.9480

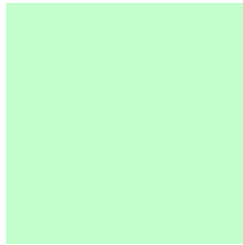


2.7237, 1.3318, 3.3923



# Previews

## White Background



This preview shows how the XYZ color 69.0276, 87.3971, 70.9888 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

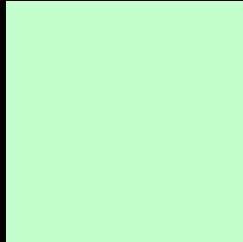
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0276, 87.3971, 70.9888 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

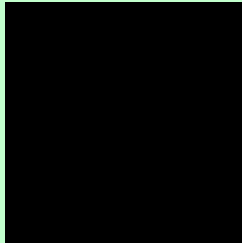
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.0276, 87.3971, 70.9888**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.0276, 87.3971, 70.9888.



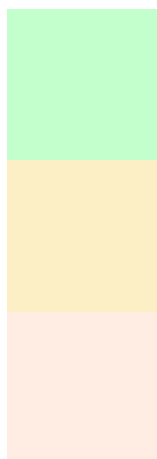
This preview shows how white text looks on a background with the XYZ color 69.0276, 87.3971,

70.9888.

# 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

69.0276, 87.3971, 70.9888

### Protanopia

81.4526, 86.6469, 65.2548

### Deuteranopia

85.1006, 86.7970, 84.9413



## Tritanopia

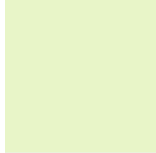
80.2195, 87.2935, 107.2291

# Trichromacy



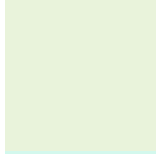
## Original Color

69.0276, 87.3971, 70.9888



## Protanomaly

76.3564, 86.6308, 67.3406



## Deuteranomaly

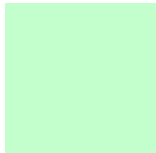
78.4410, 86.5393, 79.5873



## Tritanomaly

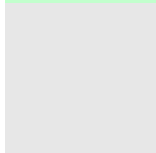
75.7174, 87.0981, 92.9416

# Monochromacy



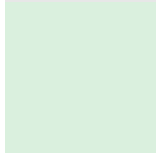
## Original Color

69.0276, 87.3971, 70.9888



## Achromatopsia

75.9547, 79.9103, 87.0223



## Achromatomaly

73.2583, 82.4995, 81.1701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0276, 87.3971, 70.9888 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(194, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 205)  
}
```

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(194, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0276, 87.3971, 70.9888 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(194, 255, 205) }
```



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

```
.border{ border-color:rgb(194, 255, 205) }
```

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

Here you see how a box with a 4 pixel rgb(194, 255, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0276, 87.3971, 70.9888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 205) }
```

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

```
.background{ background-color: rgb(194,  
255, 205) }
```

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