

# Converting Colors

XYZ(69.9411, 87.8938, 69.8683)

Have a look what the booklet for  
XYZ(69.9411, 87.8938, 69.8683)  
contains.

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# Color

**XYZ(69.8282, 87.8376,  
69.7739)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFCB
RGB	198, 255, 203
RGB Percent	78%, 100%, 80%
CMY	0.2235, 0.0000, 0.2039
CMYK	0.22, 0.00, 0.20, 0.00
HSL	125°, 100%, 89%
HSV	125°, 22%, 100%
XYZ	69.8282, 87.8376, 69.7739
YIQ	232.0290, -17.2800, -28.2560

# Conversions

## Conversions Part 2

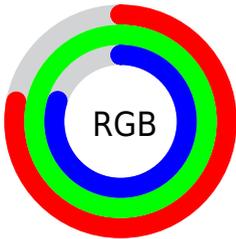
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">198, 250, 255</a>
Decimal	<a href="#">13041611</a>
CIELab	<a href="#">95.09, -27.68, 19.11</a>
CIELCh	<a href="#">95, 33.639, 145.381</a>
Yxy	<a href="#">87.8376, 0.3070, 0.3862</a>
Android (android.graphics.Color)	<a href="#">4291231691 (0xFFC6FFCB)</a>
YUV	<a href="#">232.0290, -14.3113, -29.8434</a>
Hunter-Lab	<a href="#">93.7217, -31.0200, 21.4650</a>

# Details

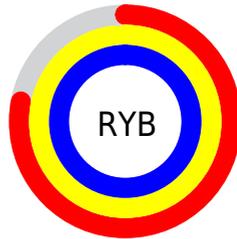
The XYZ color **69.8282, 87.8376, 69.7739** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.6896, 68.5509, 99.5261**, and the grayscale version is **76.8360, 80.8375, 88.0320**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9466, 48.3977, 35.8282** is the 20% darker color. If you saturate the color by 10%, you get **61.0952, 83.6322, 55.9635**, and if you desaturate by 10%, it is **80.1100, 92.7933, 85.8309**.

# Distribution



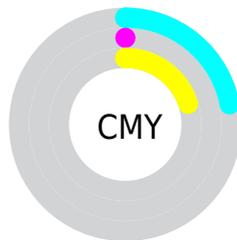
- Red (78%)
- Green (100%)
- Blue (80%)



- Red (78%)
- Yellow (98%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8282, 87.8376, 69.7739 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 69.8282, 87.8376, 69.7739 by changing the saturation by 10% instead.

69.8282, 87.8376,  
69.7739

69.8282, 87.8376,  
69.7739

449.2224,  
520.9713, 478.5234

51.6656, 66.1886,  
50.8666

117.9913,  
144.3310, 120.5644

36.9618, 48.4255,  
35.7264

148.7225,  
179.9443, 153.2846

25.3514, 34.1640,  
23.9350

184.3740,  
220.9810, 191.4461

16.4692, 23.0196,  
15.0736

225.3111,  
267.8256, 235.4676

9.9497, 14.6080,  
8.7239

271.8991,  
320.8626, 285.7675

5.4276, 8.5447,  
4.4672

324.5034,

2.5376, 4.4454,

380.4763, 342.7644

1.8850

383.4894,  
447.0510, 406.8769

■ 0.9143, 1.9257,  
0.4831

■ 0.0000, 0.5638,  
0.0000

■ 69.8282, 87.8376,  
69.7739

■ 69.8282, 87.8376,  
69.7739

■ 61.0952, 83.6322,  
55.9635

■ 80.1100, 92.7933,  
85.8309

■ 53.8341, 80.1397,  
44.2956

■ 92.0087, 98.5325,  
104.2240

■ 47.9640, 77.3206,  
34.6642

■ 95.0500, 100.0000,  
108.9000

■ 43.3958, 75.1316,  
26.9525

■ 40.0297, 73.5239,  
21.0319

■ 37.7514, 72.4416,  
16.7581

■ 36.4242, 71.8179,  
13.9645

■ 35.9084, 71.5794,  
12.7017

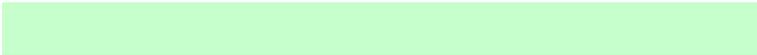
# Harmonies

## Analogous

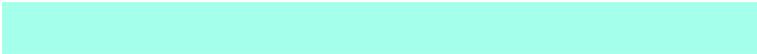
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1699, 87.8376, 56.9553



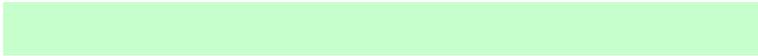
69.8282, 87.8376, 69.7739



67.1485, 87.8376, 91.6396

# Triad

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



69.8282, 87.8376, 69.7739



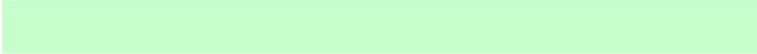
82.0781, 87.8376, 155.1729



100.4139, 87.8376, 75.6260

# Complementary

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



69.8282, 87.8376, 69.7739



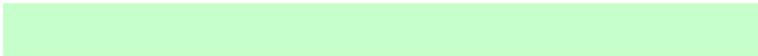
78.6896, 68.5509, 99.5261

# 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.



102.2815, 87.8376, 99.7556



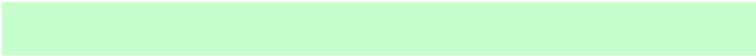
69.8282, 87.8376, 69.7739



91.2583, 87.8376, 148.7730

# Square

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



69.8282, 87.8376, 69.7739



73.8847, 87.8376, 143.3916



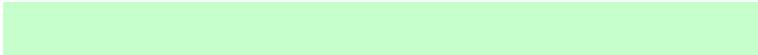
98.8200, 87.8376, 127.2192



93.8872, 87.8376, 59.8760

# Rectangle

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



69.8282, 87.8376, 69.7739



67.6454, 87.8376, 109.6381



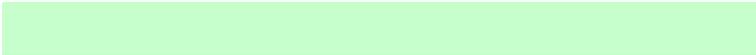
98.8200, 87.8376, 127.2192



101.6268, 87.8376, 82.8875

# Sweetspot

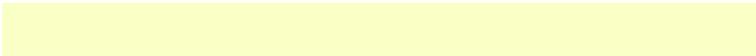
The Sweet Spot groups the original color and five complimentary colors.



69.8288, 87.8379, 69.7753



86.2732, 95.7656, 95.3791



85.4672, 95.9675, 67.4459



18.3122, 20.4236, 20.1773



0.0000, 0.0000, 0.0000

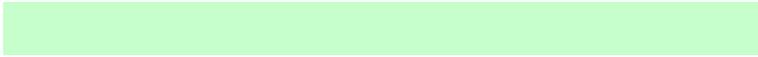


20.3446, 21.4041, 23.3091

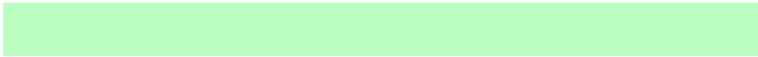


# Same Dimension

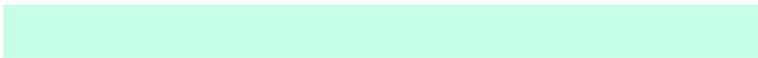
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8288, 87.8379, 69.7753



65.5817, 85.7921, 63.0829



73.5083, 89.3096, 89.1512



17.8363, 20.1940, 19.4407



18.7848, 37.4105, 6.7522



1.8500, 3.6509, 0.7678



# Inverse Universe

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



78.6896, 68.5509, 99.5261



75.9231, 63.2781, 97.8017



74.5858, 66.9094, 77.9160



18.7199, 18.2713, 22.4080



29.2348, 14.1832, 41.4823

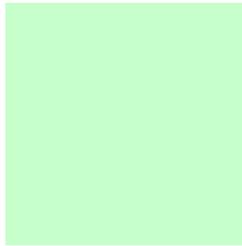


2.8659, 1.3887, 4.1410



# Previews

## White Background



This preview shows how the XYZ color 69.8282, 87.8376, 69.7739 looks on a white background.

## Color Contrast Check

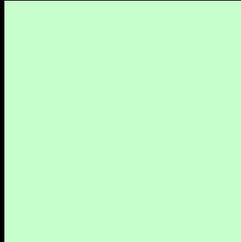
Large Text (above 18pt) WCAG AA × Fail

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 69.8282, 87.8376, 69.7739 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 69.8282, 87.8376, 69.7739**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.8282, 87.8376, 69.7739.



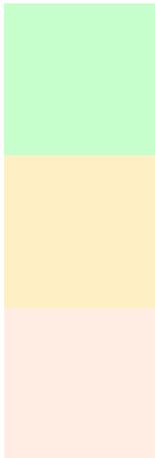
This preview shows how white text looks on a background with the XYZ color 69.8282, 87.8376,

69.7739.

# 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

69.8282, 87.8376, 69.7739

### Protanopia

81.9969, 87.3765, 64.7682

### Deuteranopia

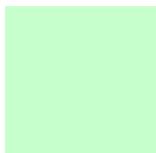
85.5278, 87.4298, 85.7666



## Tritanopia

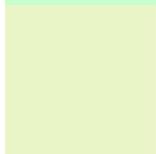
81.1412, 87.7687, 107.2722

# Trichromacy



## Original Color

69.8282, 87.8376, 69.7739



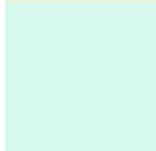
## Protanomaly

76.8929, 86.9208, 66.7575



## Deuteranomaly

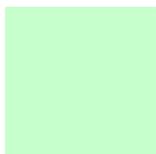
79.0686, 87.3083, 79.7027



## Tritanomaly

76.7321, 87.6380, 92.2285

# Monochromacy



## Original Color

69.8282, 87.8376, 69.7739



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

73.7264, 82.7563, 80.4944

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.8282, 87.8376, 69.7739 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(198, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 69.8282, 87.8376, 69.7739 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(198, 255, 203) }
```

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

```
.border{ border-color:rgb(198, 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(198, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.8282, 87.8376, 69.7739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 203) }
```

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

```
.background{ background-color: rgb(198,  
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](#).

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