

Converting Colors

XYZ(72.1187, 92.4402, 69.2867)

Have a look what the booklet for
XYZ(72.1187, 92.4402, 69.2867)
contains.

XYZ(69.8558, 87.8792, 68.5389)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8558, 87.8792,
68.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC9
RGB	199, 255, 201
RGB Percent	78%, 100%, 79%
CMY	0.2196, 0.0000, 0.2118
CMYK	0.22, 0.00, 0.21, 0.00
HSL	122°, 100%, 89%
HSV	122°, 22%, 100%
XYZ	69.8558, 87.8792, 68.5389
YIQ	232.1000, -16.0420, -28.6660

Conversions

Conversions Part 2

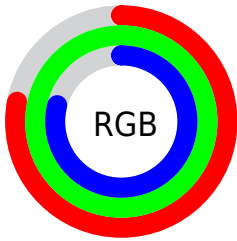
Format	Color
RYB	199, 253, 255
Decimal	13107145
CIELab	95.11, -27.70, 20.16
CIELCh	95, 34.262, 143.946
Yxy	87.8792, 0.3087, 0.3884
Android (android.graphics.Color)	4291297225 (0xFFC7FFC9)
YUV	232.1000, -15.3323, -29.0287
Hunter-Lab	93.7439, -31.0377, 22.2721

Details

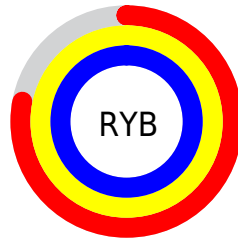
The XYZ color **69.8558, 87.8792, 68.5389** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.3932, 69.1992, 102.1001**, and the grayscale version is **76.8960, 80.9005, 88.1007**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9621, 48.4240, 35.0024** is the 20% darker color. If you saturate the color by 10%, you get **60.9821, 83.6125, 54.2137**, and if you desaturate by 10%, it is **80.3275, 92.9161, 85.3585**.

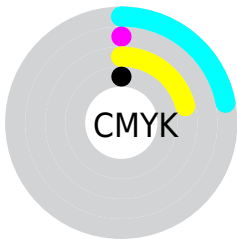
Distribution



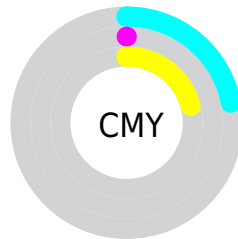
- Red (78%)
- Green (100%)
- Blue (79%)



- Red (78%)
- Yellow (99%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8558, 87.8792, 68.5389 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 69.8558, 87.8792, 68.5389 by changing the saturation by 10% instead.


 69.8558, 87.8792,
68.5389

 69.8558, 87.8792,
68.5389


449.3178,
521.1076, 474.0528

 51.6882, 66.2230,
49.8669


118.0305,
144.3890, 118.7842

 36.9798, 48.4535,
34.9372


148.7682,
180.0114, 151.1946

 25.3655, 34.1861,
23.3313


184.4267,
221.0579, 189.0215

 16.4797, 23.0366,
14.6307

225.3713,
267.9131, 232.6835

 9.9573, 14.6206,
8.4169

271.9674,
320.9613, 282.5991

 5.4327, 8.5535,
4.2713

324.5803,

 2.5406, 4.4511,

380.5868, 339.1868

1.7753

383.5753,
447.1741, 402.8652

■ 0.9158, 1.9290,
0.4116

■ 0.0000, 0.5657,
0.0000

■ 69.8558, 87.8792,
68.5389

■ 69.8558, 87.8792,
68.5389

■ 60.9821, 83.6125,
54.2137

■ 80.3275, 92.9161,
85.3585

■ 53.6261, 80.0773,
42.2605

■ 92.4683, 98.7576,
104.7790

■ 47.7033, 77.2327,
32.5524

■ 95.0500, 100.0000,
108.9000

■ 43.1204, 75.0336,
24.9494

■ 39.7727, 73.4295,
19.2957

■ 37.5402, 72.3622,
15.4137

■ 36.2791, 71.7622,
13.0940

■ 35.8099, 71.5400,
12.1829

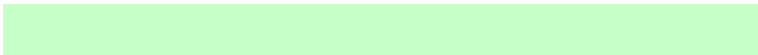
Harmonies

Analogous

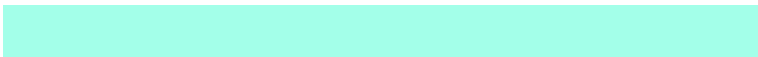
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4598, 87.8792, 56.0165



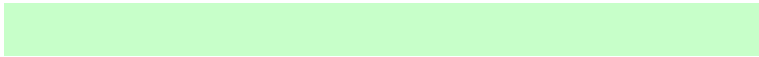
69.8558, 87.8792, 68.5389



66.9383, 87.8792, 90.3728

Triad

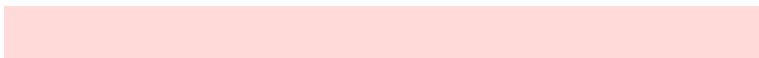
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.8558, 87.8792, 68.5389



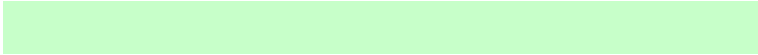
81.6503, 87.8792, 156.3569



101.0044, 87.8792, 76.3238

Complementary

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



69.8558, 87.8792, 68.5389



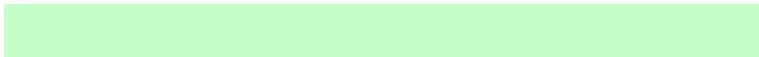
79.3932, 69.1992, 102.1001

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.



102.6511, 87.8792, 101.2025



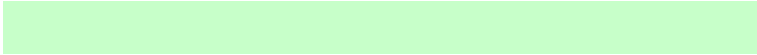
69.8558, 87.8792, 68.5389



91.0158, 87.8792, 150.6933

Square

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



69.8558, 87.8792, 68.5389



73.4141, 87.8792, 143.4826



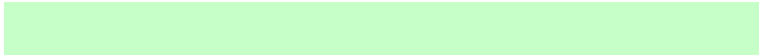
98.8737, 87.8792, 129.1931



94.5274, 87.8792, 59.8915

Rectangle

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



69.8558, 87.8792, 68.5389



67.3087, 87.8792, 108.6001



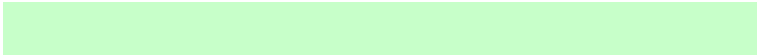
98.8737, 87.8792, 129.1931



102.1603, 87.8792, 83.8377

Sweetspot

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



69.8564, 87.8794, 68.5403



86.1366, 95.7109, 94.6597



86.6255, 96.5513, 68.1042



18.2807, 20.4110, 20.0114



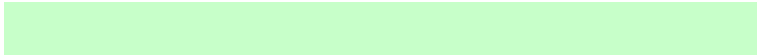
0.0000, 0.0000, 0.0000



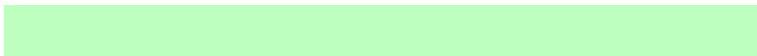
20.3446, 21.4041, 23.3091

Same Dimension

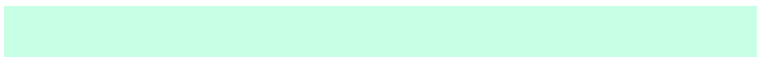
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8564, 87.8794, 68.5403



66.0835, 86.0651, 62.4593



73.4379, 89.3120, 87.4000



17.7979, 20.1787, 19.2386



18.7228, 37.3857, 6.4256



1.8318, 3.6436, 0.6722

Inverse Universe

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



79.3932, 69.1992, 102.1001



77.0440, 64.5946, 101.0280



75.2726, 67.5510, 80.4014



18.7630, 18.2885, 22.6350



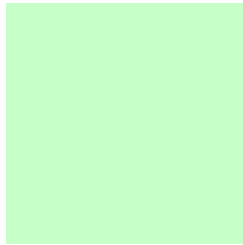
30.2443, 14.5870, 46.7982



2.9532, 1.4237, 4.6010

Previews

White Background



This preview shows how the XYZ color 69.8558, 87.8792, 68.5389 looks on a white background.

Color Contrast Check

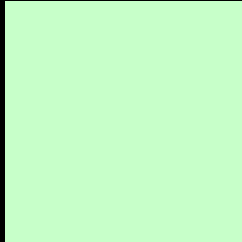
Large Text (above 18pt) WCAG AA × Fail

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 69.8558, 87.8792, 68.5389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

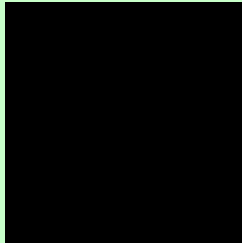
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

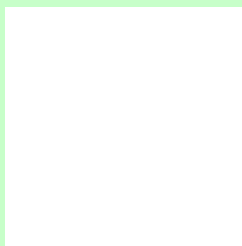
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8558, 87.8792, 68.5389

Background



This preview shows how black text looks on a background with the XYZ color 69.8558, 87.8792, 68.5389.



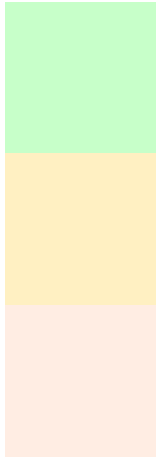
This preview shows how white text looks on a background with the XYZ color 69.8558, 87.8792,

68.5389.

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

69.8558, 87.8792, 68.5389

Protanopia

82.1377, 87.4752, 63.5942

Deuteranopia

85.3893, 87.3744, 85.0375



Tritanopia

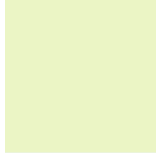
81.1412, 87.7687, 107.2722

Trichromacy



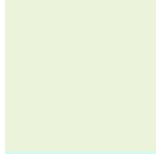
Original Color

69.8558, 87.8792, 68.5389



Protanomaly

76.9914, 86.9982, 65.5578



Deuteranomaly

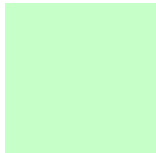
79.2665, 87.4255, 79.0267



Tritanomaly

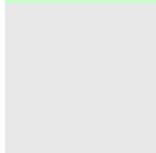
76.5871, 87.5800, 91.4653

Monochromacy



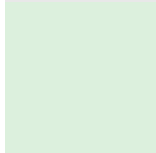
Original Color

69.8558, 87.8792, 68.5389



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 69.8558, 87.8792, 68.5389 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(199, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 201)  
}
```

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(199, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 69.8558, 87.8792, 68.5389 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(199, 255, 201) }
```


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

```
.border{ border-color:rgb(199, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8558, 87.8792, 68.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 201) }
```

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

```
.background{ background-color: rgb(199,  
255, 201) }
```

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