

Converting Colors

XYZ(69.0279, 87.6183, 63.7986)

Have a look what the booklet for
XYZ(69.0279, 87.6183, 63.7986)
contains.

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Color

**XYZ(68.9388, 87.5124,
63.7102)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC1
RGB	199, 255, 193
RGB Percent	78%, 100%, 76%
CMY	0.2196, 0.0000, 0.2431
CMYK	0.22, 0.00, 0.24, 0.00
HSL	114°, 100%, 88%
HSV	114°, 24%, 100%
XYZ	68.9388, 87.5124, 63.7102
YIQ	231.1880, -13.4740, -31.1540

Conversions

Conversions Part 2

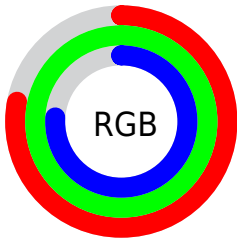
Format	Color
R_{YB}	193, 255, 249
Decimal	13107137
CIE _{Lab}	94.96, -29.02, 24.02
CIE _{LCh}	95, 37.668, 140.379
Yxy	87.5124, 0.3131, 0.3975
Android (android.graphics.Color)	4291297217 (0xFFC7FFC1)
YUV	231.1880, -18.8267, -28.2289
Hunter-Lab	93.5481, -32.1663, 25.1046

Details

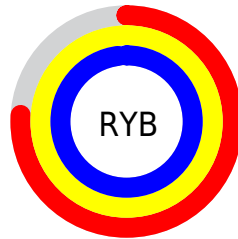
The XYZ color **68.9388, 87.5124, 63.7102** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.1878, 65.5009, 103.2351**, and the grayscale version is **76.2381, 80.2085, 87.3470**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **36.3559, 48.1815, 31.8099** is the 20% darker color. If you saturate the color by 10%, you get **60.6789, 83.5550, 49.7328**, and if you desaturate by 10%, it is **78.6153, 92.1432, 80.3167**.

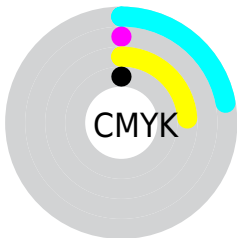
Distribution



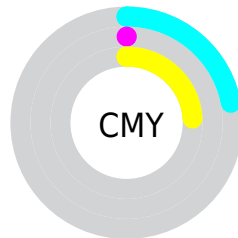
- Red (78%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9388, 87.5124, 63.7102 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 68.9388, 87.5124, 63.7102 by changing the saturation by 10% instead.

68.9388, 87.5124,
63.7102

68.9388, 87.5124,
63.7102

446.1398,
519.9051, 456.3211

50.9383, 65.9193,
45.9713

116.7287,
143.8781, 111.7889

36.3804, 48.2069,
31.8747

147.2489,
179.4196, 142.9658

24.8996, 33.9908,
21.0018

182.6729,
220.3792, 179.4592

16.1306, 22.8865,
12.9340

223.3663,
267.1416, 221.6875

9.7080, 14.5097,
7.2529

269.6943,
320.0909, 270.0693

5.2666, 8.4760,
3.5400

322.0224,

2.4409, 4.4010,

379.6117, 325.0231

1.3765

380.7157,
446.0883, 386.9675

■ 0.8655, 1.9003,
0.1233

■ 0.0000, 0.5486,
0.0000

■ 68.9388, 87.5124,
63.7102

■ 68.9388, 87.5124,
63.7102

■ 60.6789, 83.5550,
49.7328

■ 78.6153, 92.1432,
80.3167

■ 53.7674, 80.2391,
38.2459

■ 89.7688, 97.4762,
99.6732

■ 48.1327, 77.5308,
29.1047

■ 95.0500, 100.0000,
108.9000

■ 43.6962, 75.3931,
22.1473

■ 40.3704, 73.7848,
17.1918

■ 38.0555, 72.6591,
14.0266

■ 36.6337, 71.9608,
12.3926

■ 36.1529, 71.7225,
11.9384

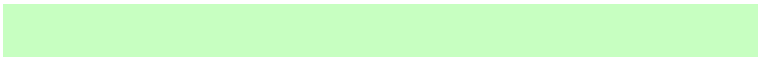
Harmonies

Analogous

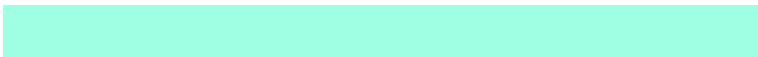
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5198, 87.5124, 51.6621



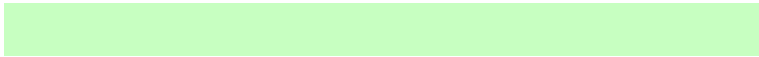
68.9388, 87.5124, 63.7102



65.2663, 87.5124, 86.1853

Triad

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



68.9388, 87.5124, 63.7102



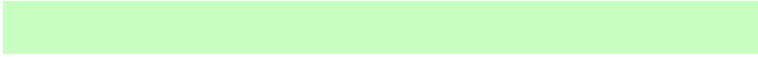
79.9363, 87.5124, 162.2525



102.9953, 87.5124, 76.9984

Complementary

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



68.9388, 87.5124, 63.7102



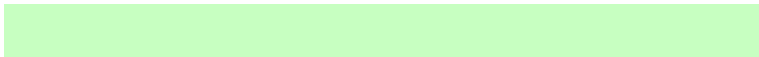
76.1878, 65.5009, 103.2351

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.



104.0990, 87.5124, 105.0061



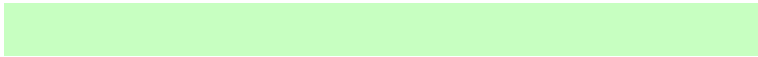
68.9388, 87.5124, 63.7102



90.2115, 87.5124, 158.3886

Square

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



68.9388, 87.5124, 63.7102



71.2636, 87.5124, 145.5517



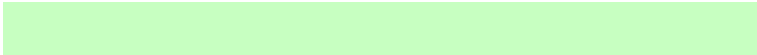
99.2540, 87.5124, 135.8764



96.3513, 87.5124, 58.1728

Rectangle

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



68.9388, 87.5124, 63.7102



65.3047, 87.5124, 105.7910



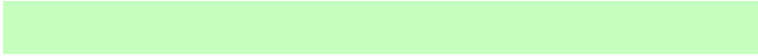
99.2540, 87.5124, 135.8764



104.0466, 87.5124, 85.5007

Sweetspot

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



68.9393, 87.5126, 63.7115



86.6231, 95.9725, 94.1947



84.6799, 92.7383, 63.8906



18.3929, 20.4713, 19.9042



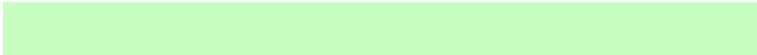
0.0000, 0.0000, 0.0000



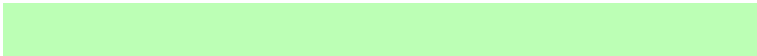
20.3446, 21.4041, 23.3091

Same Dimension

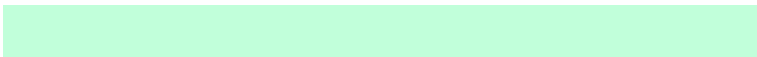
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9393, 87.5126, 63.7115



64.8952, 85.5757, 56.8404



70.3818, 87.9093, 79.4521



17.9345, 20.2522, 19.1081



18.9444, 37.5043, 6.2406



1.8965, 3.6785, 0.6101

Inverse Universe

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



76.1878, 65.5009, 103.2351



73.2404, 60.2162, 102.3704



74.6216, 65.1254, 83.6484



18.6092, 18.2058, 22.7832



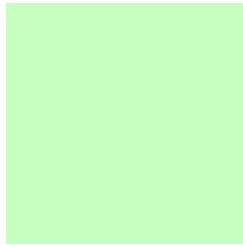
26.6088, 12.6278, 50.4696



2.6390, 1.2544, 4.9163

Previews

White Background



This preview shows how the XYZ color 68.9388, 87.5124, 63.7102 looks on a white background.

Color Contrast Check

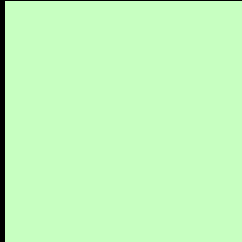
Large Text (above 18pt) WCAG AA × Fail

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 68.9388, 87.5124, 63.7102 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 68.9388, 87.5124, 63.7102

Background



This preview shows how black text looks on a background with the XYZ color 68.9388, 87.5124, 63.7102.



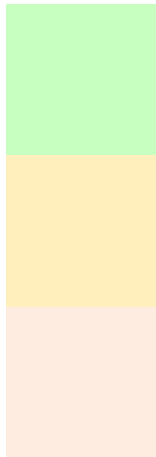
This preview shows how white text looks on a background with the XYZ color 68.9388, 87.5124,

63.7102.

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

68.9388, 87.5124, 63.7102

Protanopia

81.2918, 86.6671, 60.5880

Deuteranopia

84.8261, 86.6871, 83.4956



Tritanopia

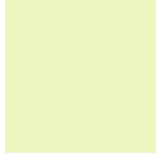
80.8411, 87.1685, 107.1722

Trichromacy



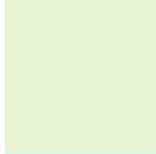
Original Color

68.9388, 87.5124, 63.7102



Protanomaly

76.2076, 86.6847, 61.4304



Deuteranomaly

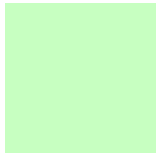
78.3218, 86.5674, 75.5320



Tritanomaly

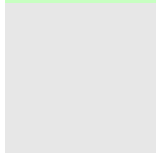
75.8506, 86.7948, 89.0993

Monochromacy



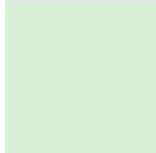
Original Color

68.9388, 87.5124, 63.7102



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.8979, 82.3900, 77.7064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9388, 87.5124, 63.7102 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 68.9388, 87.5124, 63.7102 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, 193) }
```


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

```
.border{ border-color:rgb(199, 255, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9388, 87.5124, 63.7102 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, 193) }
```

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

```
.background{ background-color: rgb(199,  
255, 193) }
```

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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