

Converting Colors

XYZ(84.2309, 118.3515,
68.2086)

Have a look what the booklet for
XYZ(84.2309, 118.3515, 68.2086)
contains.

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Color

**XYZ(68.8276, 87.4679,
63.1246)**

Conversions

Conversions Part 1

Format	Color
Hex	C7FFC0
RGB	199, 255, 192
RGB Percent	78%, 100%, 75%
CMY	0.2196, 0.0000, 0.2470
CMYK	0.22, 0.00, 0.25, 0.00
HSL	113°, 100%, 88%
HSV	113°, 25%, 100%
XYZ	68.8276, 87.4679, 63.1246
YIQ	231.0740, -13.1530, -31.4650

Conversions

Conversions Part 2

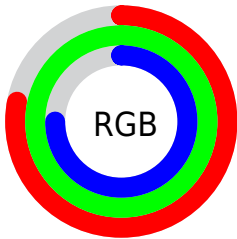
Format	Color
RYB	192, 255, 248
Decimal	13107136
CIELab	94.94, -29.18, 24.50
CIELCh	95, 38.100, 139.975
Yxy	87.4679, 0.3137, 0.3986
Android (android.graphics.Color)	4291297216 (0xFFC7FFC0)
YUV	231.0740, -19.2635, -28.1289
Hunter-Lab	93.5243, -32.3034, 25.4490

Details

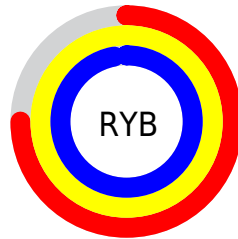
The XYZ color **68.8276, 87.4679, 63.1246** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.6120, 64.8770, 103.1451**, and the grayscale version is **76.1562, 80.1222, 87.2531**.

A 20% lighter version of the original color is **94.0989, 99.6196, 103.8915**, and **36.2831, 48.1524, 31.4268** is the 20% darker color. If you saturate the color by 10%, you get **60.6692, 83.5607, 49.2497**, and if you desaturate by 10%, it is **78.3725, 92.0332, 79.6222**.

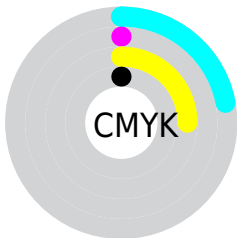
Distribution



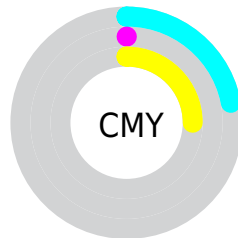
- Red (78%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (97%)



- Cyan (22%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8276, 87.4679, 63.1246 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 68.8276, 87.4679, 63.1246 by changing the saturation by 10% instead.


 68.8276, 87.4679,
63.1246

 68.8276, 87.4679,
63.1246


445.7536,
519.7591, 454.1419

 50.8475, 65.8825,
45.5004


 116.5707,
143.8161, 110.9366

 36.3078, 48.1770,
31.5059


147.0644,
179.3477, 141.9614

 24.8432, 33.9671,
20.7227


182.4600,
220.2969, 178.2901

 16.0884, 22.8683,
12.7322

223.1228,
267.0479, 220.3414

 9.6780, 14.4963,
7.1158

269.4182,
319.9853, 268.5336

 5.2466, 8.4667,
3.4551

321.7116,

 2.4289, 4.3950,

379.4933, 323.2854

1.3315

380.3682,
445.9565, 385.0154

■ 0.8595, 1.8969,
0.0874

■ 0.0000, 0.5465,
0.0000

■ 68.8276, 87.4679,
63.1246

■ 68.8276, 87.4679,
63.1246

■ 60.6692, 83.5607,
49.2497

■ 78.3725, 92.0332,
79.6222

■ 53.8310, 80.2805,
37.8587

■ 89.3627, 97.2843,
98.8637

■ 48.2435, 77.5947,
28.8062

95.0500, 100.0000,
108.9000

■ 43.8304, 75.4673,
21.9299

■ 40.5068, 73.8585,
17.0470

■ 38.1760, 72.7232,
13.9446

■ 36.7239, 72.0082,
12.3614

■ 36.2479, 71.7715,
11.9428

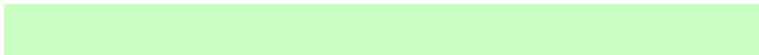
Harmonies

Analogous

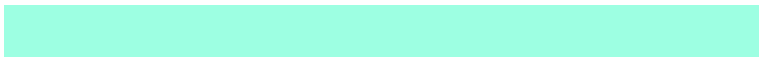
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5300, 87.4679, 51.1375



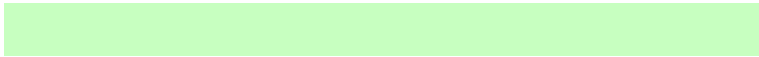
68.8276, 87.4679, 63.1246



65.0619, 87.4679, 85.6702

Triad

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



68.8276, 87.4679, 63.1246



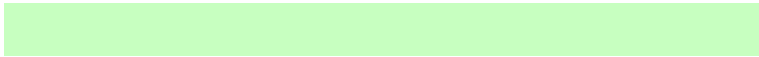
79.7241, 87.4679, 162.9940



103.2460, 87.4679, 77.0883

Complementary

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



68.8276, 87.4679, 63.1246



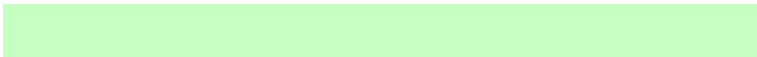
75.6120, 64.8770, 103.1451

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.



104.2802, 87.4679, 105.4921



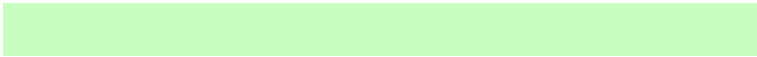
68.8276, 87.4679, 63.1246



90.1108, 87.4679, 159.3656

Square

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



68.8276, 87.4679, 63.1246



70.9990, 87.4679, 145.8058



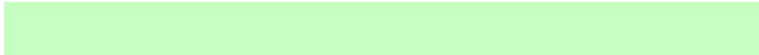
99.3006, 87.4679, 136.7286



96.5820, 87.4679, 57.9654

Rectangle

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



68.8276, 87.4679, 63.1246



65.0594, 87.4679, 105.4405



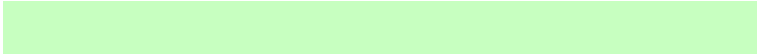
99.3006, 87.4679, 136.7286



104.2837, 87.4679, 85.7152

Sweetspot

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



68.8281, 87.4681, 63.1259



86.7095, 96.0171, 94.1988



84.2147, 91.9858, 63.1870



18.4128, 20.4816, 19.9051



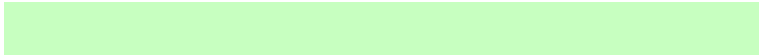
0.0000, 0.0000, 0.0000



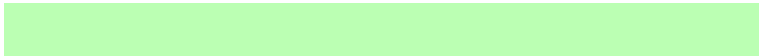
20.3446, 21.4041, 23.3091

Same Dimension

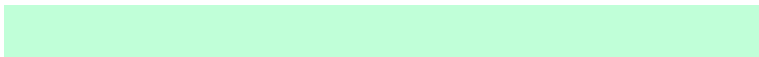
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8281, 87.4681, 63.1259



64.3394, 85.3191, 55.4604



69.9131, 87.6925, 78.3100



17.9589, 20.2647, 19.1093



18.9999, 37.5329, 6.2432



1.9080, 3.6844, 0.6106

Inverse Universe

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



75.6120, 64.8770, 103.1451



72.2522, 58.9437, 102.1769



74.4929, 64.7214, 84.0572



18.5822, 18.1919, 22.7819



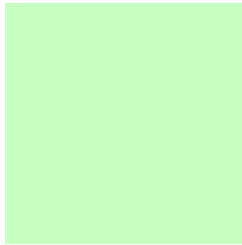
26.0098, 12.3190, 50.4415



2.5868, 1.2274, 4.9139

Previews

White Background



This preview shows how the XYZ color 68.8276, 87.4679, 63.1246 looks on a white background.

Color Contrast Check

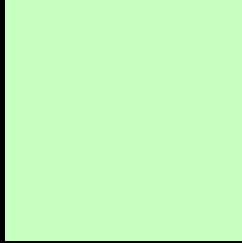
Large Text (above 18pt) WCAG AA × Fail

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 68.8276, 87.4679, 63.1246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

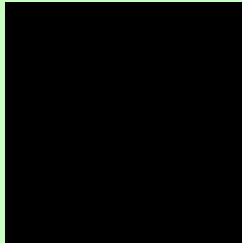
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

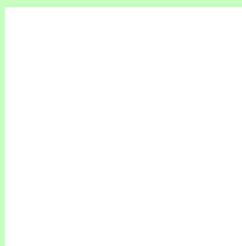
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8276, 87.4679, 63.1246

Background



This preview shows how black text looks on a background with the XYZ color 68.8276, 87.4679, 63.1246.



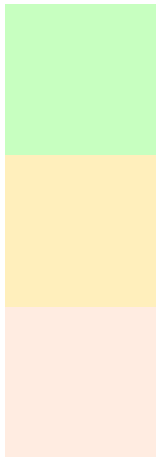
This preview shows how white text looks on a background with the XYZ color 68.8276, 87.4679,

63.1246.

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

68.8276, 87.4679, 63.1246

Protanopia

81.1836, 86.6238, 60.0182

Deuteranopia

84.8261, 86.6871, 83.4956



Tritanopia

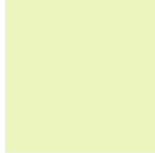
80.5320, 87.0092, 107.1577

Trichromacy



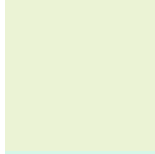
Original Color

68.8276, 87.4679, 63.1246



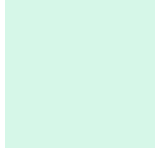
Protanomaly

76.0987, 86.6411, 60.8567



Deuteranomaly

78.3218, 86.5674, 75.5320



Tritanomaly

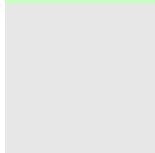
75.5578, 86.6439, 89.0855

Monochromacy



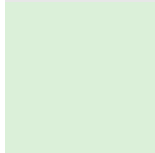
Original Color

68.8276, 87.4679, 63.1246



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 68.8276, 87.4679, 63.1246 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, 192)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 192)  
}
```

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, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 68.8276, 87.4679, 63.1246 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, 192) }
```


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

```
.border{ border-color:rgb(199, 255, 192) }
```

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, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8276, 87.4679, 63.1246 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, 192) }
```

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

```
.background{ background-color: rgb(199,  
255, 192) }
```

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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