

Converting Colors

XYZ(69.8962, 90.8391, 63.5827)

Have a look what the booklet for
XYZ(69.8962, 90.8391, 63.5827)
contains.

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Color

**XYZ(68.0394, 87.0615,
63.0877)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFC0
RGB	196, 255, 192
RGB Percent	77%, 100%, 75%
CMY	0.2314, 0.0000, 0.2470
CMYK	0.23, 0.00, 0.25, 0.00
HSL	116°, 100%, 88%
HSV	116°, 25%, 100%
XYZ	68.0394, 87.0615, 63.0877
YIQ	230.1770, -14.9410, -32.1010

Conversions

Conversions Part 2

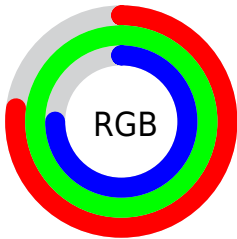
Format	Color
RYB	192, 255, 251
Decimal	12910528
CIELab	94.76, -30.15, 24.24
CIElCh	95, 38.689, 141.207
Yxy	87.0615, 0.3118, 0.3990
Android (android.graphics.Color)	4291100608 (0xFFC4FFC0)
YUV	230.1770, -18.8213, -29.9732
Hunter-Lab	93.3068, -33.1244, 25.2268

Details

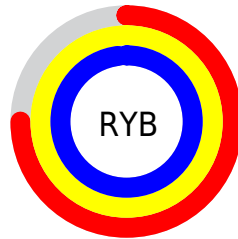
The XYZ color **68.0394, 87.0615, 63.0877** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.6842, 65.4297, 103.1952**, and the grayscale version is **75.4874, 79.4186, 86.4868**.

A 20% lighter version of the original color is **93.3669, 99.2422, 103.8572**, and **35.7660, 47.8859, 31.4026** is the 20% darker color. If you saturate the color by 10%, you get **59.7288, 83.0759, 49.2057**, and if you desaturate by 10%, it is **77.8295, 91.7533, 79.5968**.

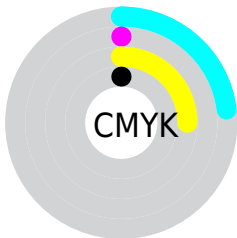
Distribution



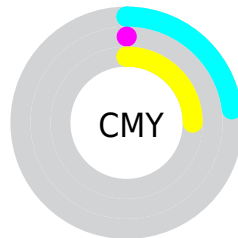
- Red (77%)
- Green (100%)
- Blue (75%)



- Red (75%)
- Yellow (100%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0394, 87.0615, 63.0877 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 68.0394, 87.0615, 63.0877 by changing the saturation by 10% instead.


 68.0394, 87.0615,
63.0877

 68.0394, 87.0615,
63.0877


443.0101,
518.4249, 454.0044

 50.2036, 65.5461,
45.4707


 115.4501,
143.2499, 110.8828

 35.7936, 47.9040,
31.4827


145.7557,
178.6916, 141.8980

 24.4442, 33.7509,
20.7051


180.9486,
219.5443, 178.2164

 15.7900, 22.7023,
12.7195

221.3942,
266.1922, 220.2564

 9.4656, 14.3738,
7.1072

267.4578,
319.0199, 268.4367

 5.1056, 8.3811,
3.4498

319.5047,

 2.3448, 4.3398,

378.4116, 323.1758

1.3286

377.9004,
444.7518, 384.8922

■ 0.8174, 1.8654,
0.0851

■ 0.0000, 0.5274,
0.0000

■ 68.0394, 87.0615,
63.0877

■ 68.0394, 87.0615,
63.0877

■ 59.7288, 83.0759,
49.2057

■ 77.8295, 91.7533,
79.5968

■ 52.8239, 79.7614,
37.8116

■ 89.1644, 97.1821,
98.8544

■ 47.2475, 77.0812,
28.7596

■ 95.0500, 100.0000,
108.9000

■ 42.9139, 74.9948,
21.8870

■ 39.7278, 73.4569,
17.0105

■ 37.5794, 72.4156,
13.9166

■ 36.3379, 71.8091,
12.3433

■ 35.9769, 71.6318,
11.9302

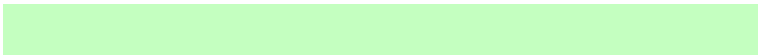
Harmonies

Analogous

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



75.6835, 87.0615, 50.5895



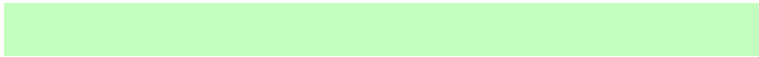
68.0394, 87.0615, 63.0877



64.4185, 87.0615, 86.2583

Triad

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



68.0394, 87.0615, 63.0877



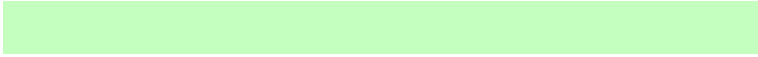
79.7122, 87.0615, 163.8909



102.9564, 87.0615, 75.4441

Complementary

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



68.0394, 87.0615, 63.0877



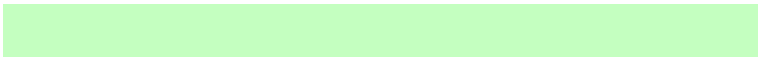
76.6842, 65.4297, 103.1952

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.



104.2643, 87.0615, 103.8775



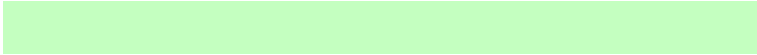
68.0394, 87.0615, 63.0877



90.2419, 87.0615, 159.2897

Square

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



68.0394, 87.0615, 63.0877



70.7751, 87.0615, 147.1635



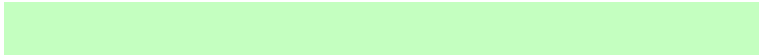
99.4399, 87.0615, 135.6652



96.0033, 87.0615, 56.6078

Rectangle

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



68.0394, 87.0615, 63.0877



64.5432, 87.0615, 106.4395



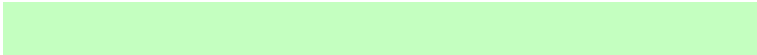
99.4399, 87.0615, 135.6652



104.0927, 87.0615, 84.0327

Sweetspot

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



68.0400, 87.0618, 63.0891



86.4230, 95.8694, 94.1854



85.1895, 93.9354, 63.5119



18.3468, 20.4475, 19.9020



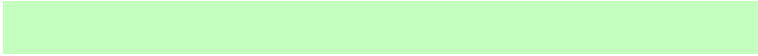
0.0000, 0.0000, 0.0000



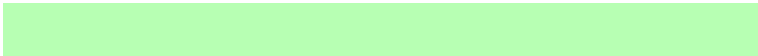
20.3446, 21.4041, 23.3091

Same Dimension

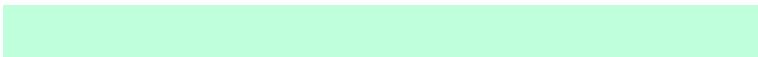
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0400, 87.0618, 63.0891



63.4595, 84.8655, 55.4192



70.3247, 87.8571, 80.4776



17.8783, 20.2232, 19.1055



18.8390, 37.4499, 6.2356



1.8700, 3.6648, 0.6088

Inverse Universe

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



76.6842, 65.4297, 103.1952



73.5460, 59.6107, 102.2375



74.0523, 64.5451, 81.7368



18.6721, 18.2382, 22.7862



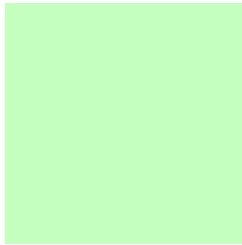
28.0473, 13.3694, 50.5369



2.7639, 1.3188, 4.9221

Previews

White Background



This preview shows how the XYZ color 68.0394, 87.0615, 63.0877 looks on a white background.

Color Contrast Check

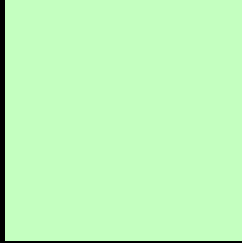
Large Text (above 18pt) WCAG AA × Fail

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 68.0394, 87.0615, 63.0877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

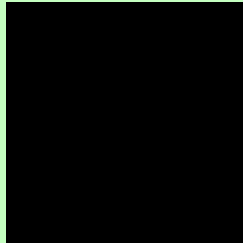
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0394, 87.0615, 63.0877

Background



This preview shows how black text looks on a background with the XYZ color 68.0394, 87.0615, 63.0877.



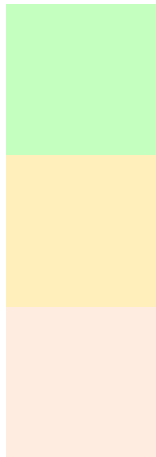
This preview shows how white text looks on a background with the XYZ color 68.0394, 87.0615,

63.0877.

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

68.0394, 87.0615, 63.0877

Protanopia

80.9694, 86.5382, 58.8904

Deuteranopia

84.6900, 86.6327, 82.7792



Tritanopia

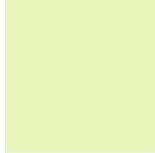
79.9194, 86.6933, 107.1290

Trichromacy



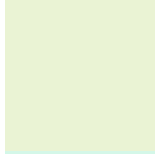
Original Color

68.0394, 87.0615, 63.0877



Protanomaly

75.6612, 86.4281, 60.2715



Deuteranomaly

77.8659, 86.3471, 74.8500



Tritanomaly

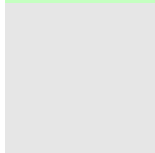
74.9776, 86.3448, 89.0584

Monochromacy



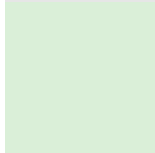
Original Color

68.0394, 87.0615, 63.0877



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1746, 81.5963, 76.9114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0394, 87.0615, 63.0877 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(196, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 68.0394, 87.0615, 63.0877 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(196, 255, 192) }
```


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

```
.border{ border-color:rgb(196, 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(196, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 192);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0394, 87.0615, 63.0877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 192) }
```

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

```
.background{ background-color: rgb(196,  
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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