

Converting Colors

XYZ(68.3826, 87.2400, 62.6451)

Have a look what the booklet for
XYZ(68.3826, 87.2400, 62.6451)
contains.

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Color

**XYZ(68.4527, 87.2874,
62.5305)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFBF
RGB	198, 255, 191
RGB Percent	78%, 100%, 75%
CMY	0.2235, 0.0000, 0.2510
CMYK	0.22, 0.00, 0.25, 0.00
HSL	113°, 100%, 87%
HSV	113°, 25%, 100%
XYZ	68.4527, 87.2874, 62.5305
YIQ	230.6610, -13.4280, -31.9880

Conversions

Conversions Part 2

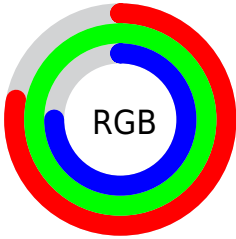
Format	Color
RYB	191, 255, 248
Decimal	13041599
CIELab	94.86, -29.66, 24.90
CIELCh	95, 38.726, 139.994
Yxy	87.2874, 0.3136, 0.3999
Android (android.graphics.Color)	4291231679 (0xFFC6FFBF)
YUV	230.6610, -19.5529, -28.6437
Hunter-Lab	93.4277, -32.7150, 25.7170

Details

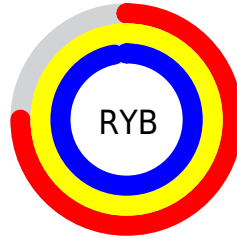
The XYZ color **68.4527, 87.2874, 62.5305** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.3931, 64.4392, 103.0721**, and the grayscale version is **75.8511, 79.8012, 86.9035**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **36.0371, 48.0339, 31.0390** is the 20% darker color. If you saturate the color by 10%, you get **60.3417, 83.4025, 48.7554**, and if you desaturate by 10%, it is **77.9510, 91.8309, 78.9234**.

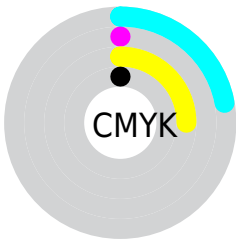
Distribution



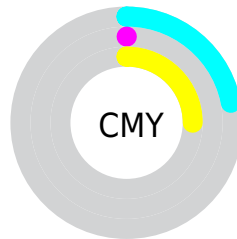
- Red (78%)
- Green (100%)
- Blue (75%)



- 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 68.4527, 87.2874, 62.5305 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 68.4527, 87.2874, 62.5305 by changing the saturation by 10% instead.


 68.4527, 87.2874,
62.5305

 68.4527, 87.2874,
62.5305


444.4499,
519.1668, 451.9245

 50.5411, 65.7331,
45.0229


 116.0379,
143.5647, 110.0709

 36.0631, 48.0557,
31.1324


146.4422,
179.0564, 140.9408

 24.6533, 33.8710,
20.4404


181.7415,
219.9627, 177.1020

 15.9463, 22.7945,
12.5283

222.3011,
266.6680, 218.9728

 9.5768, 14.4419,
6.9777

268.4864,
319.5566, 266.9720

 5.1793, 8.4286,
3.3699

320.6627,

 2.3887, 4.3704,

379.0131, 321.5179

1.2865

379.1955,
445.4216, 383.0293

■ 0.8395, 1.8829,
0.0507

■ 0.0000, 0.5380,
0.0000

■ 68.4527, 87.2874,
62.5305

■ 68.4527, 87.2874,
62.5305

■ 60.3417, 83.4025,
48.7554

■ 77.9510, 91.8309,
78.9234

■ 53.5513, 80.1449,
37.4589

■ 88.8959, 97.0611,
98.0555

■ 48.0115, 77.4817,
28.4949

95.0500, 100.0000,
108.9000

■ 43.6455, 75.3768,
21.7005

■ 40.3674, 73.7899,
16.8919

■ 38.0798, 72.6755,
13.8547

■ 36.6670, 71.9796,
12.3251

■ 36.2358, 71.7653,
11.9423

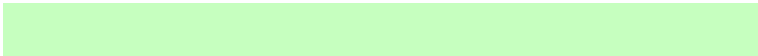
Harmonies

Analogous

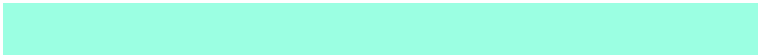
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2565, 87.2874, 50.4342



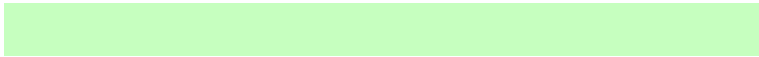
68.4527, 87.2874, 62.5305



64.6429, 87.2874, 85.3527

Triad

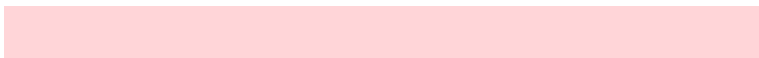
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.4527, 87.2874, 62.5305



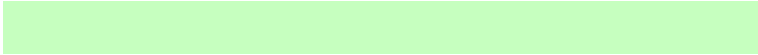
79.5083, 87.2874, 164.0374



103.3998, 87.2874, 76.6257

Complementary

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



68.4527, 87.2874, 62.5305



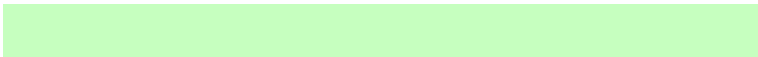
75.3931, 64.4392, 103.0721

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.



104.4560, 87.2874, 105.4363



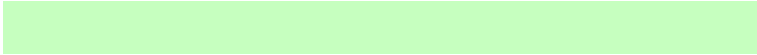
68.4527, 87.2874, 62.5305



90.0538, 87.2874, 160.3205

Square

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



68.4527, 87.2874, 62.5305



70.6605, 87.2874, 146.5132



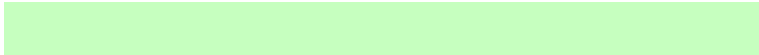
99.3937, 87.2874, 137.2264



96.6189, 87.2874, 57.3037

Rectangle

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



68.4527, 87.2874, 62.5305



64.6422, 87.2874, 105.4231



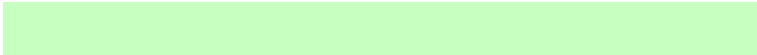
99.3937, 87.2874, 137.2264



104.4569, 87.2874, 85.3642

Sweetspot

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



68.4532, 87.2876, 62.5318



85.5663, 95.4705, 92.2124



84.0684, 91.8700, 62.5933



17.9559, 20.2632, 19.1091



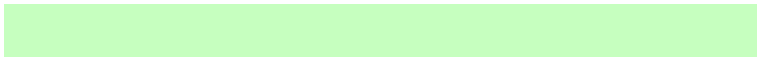
0.0000, 0.0000, 0.0000



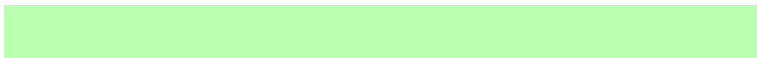
20.3446, 21.4041, 23.3091

Same Dimension

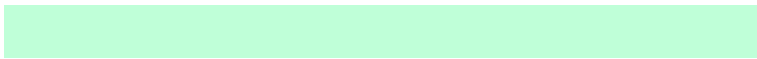
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4532, 87.2876, 62.5318



64.3070, 85.3024, 55.4588



69.5810, 87.5305, 77.8786



17.9559, 20.2632, 19.1091



18.9928, 37.5293, 6.2428



1.9066, 3.6836, 0.6105

Inverse Universe

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



75.3931, 64.4392, 103.0721



72.2988, 58.9678, 102.1791



74.2200, 64.2621, 83.6996



18.5855, 18.1936, 22.7821



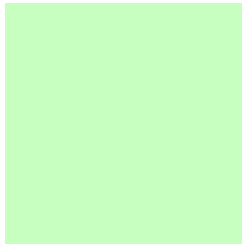
26.0815, 12.3560, 50.4449



2.5930, 1.2307, 4.9141

Previews

White Background



This preview shows how the XYZ color 68.4527, 87.2874, 62.5305 looks on a white background.

Color Contrast Check

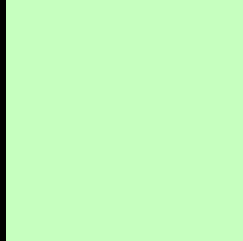
Large Text (above 18pt) WCAG AA × Fail

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 68.4527, 87.2874, 62.5305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

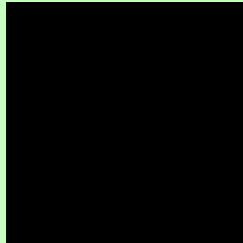
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

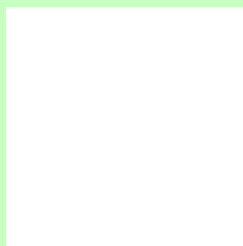
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4527, 87.2874, 62.5305

Background



This preview shows how black text looks on a background with the XYZ color 68.4527, 87.2874, 62.5305.

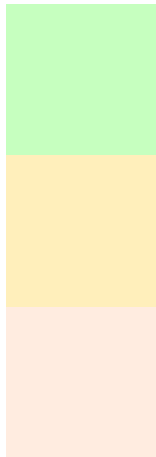


This preview shows how white text looks on a background with the XYZ color 68.4527, 87.2874,

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

68.4527, 87.2874, 62.5305

Protanopia

81.0761, 86.5809, 59.4523

Deuteranopia

84.6900, 86.6327, 82.7792



Tritanopia

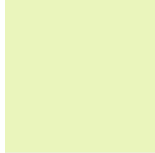
80.5320, 87.0092, 107.1577

Trichromacy



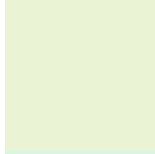
Original Color

68.4527, 87.2874, 62.5305



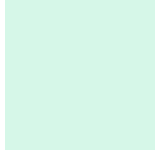
Protanomaly

75.6612, 86.4281, 60.2715



Deuteranomaly

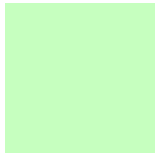
77.8659, 86.3471, 74.8500



Tritanomaly

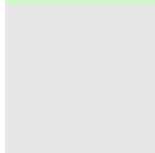
75.5578, 86.6439, 89.0855

Monochromacy



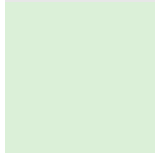
Original Color

68.4527, 87.2874, 62.5305



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.7682, 82.3381, 77.0233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4527, 87.2874, 62.5305 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 68.4527, 87.2874, 62.5305 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, 191) }
```


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

```
.border{ border-color:rgb(198, 255, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4527, 87.2874, 62.5305 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, 191) }
```

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

```
.background{ background-color: rgb(198,  
255, 191) }
```

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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