

Converting Colors

XYZ(68.1467, 87.2518, 56.9937)

Have a look what the booklet for
XYZ(68.1467, 87.2518, 56.9937)
contains.

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Color

**XYZ(68.1879, 87.2737,
56.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFB5
RGB	201, 255, 181
RGB Percent	79%, 100%, 71%
CMY	0.2118, 0.0000, 0.2902
CMYK	0.21, 0.00, 0.29, 0.00
HSL	104°, 100%, 85%
HSV	104°, 29%, 100%
XYZ	68.1879, 87.2737, 56.9677
YIQ	230.4180, -8.4300, -34.4620

Conversions

Conversions Part 2

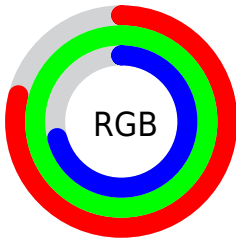
Format	Color
RYB	181, 255, 235
Decimal	13238197
CIELab	94.85, -30.22, 29.97
CIELCh	95, 42.559, 135.236
Yxy	87.2737, 0.3210, 0.4108
Android (android.graphics.Color)	4291428277 (0xFFC9FFB5)
YUV	230.4180, -24.3631, -25.7996
Hunter-Lab	93.4204, -33.1979, 29.2393

Details

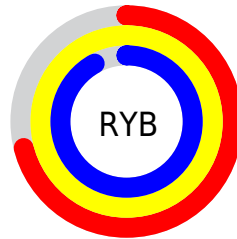
The XYZ color **68.1879, 87.2737, 56.9677** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8358, 57.9312, 102.1615**, and the grayscale version is **75.7024, 79.6448, 86.7332**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **35.9444, 48.0577, 27.8037** is the 20% darker color. If you saturate the color by 10%, you get **61.1030, 83.8964, 44.2052**, and if you desaturate by 10%, it is **76.3588, 91.1555, 72.2833**.

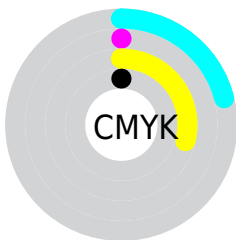
Distribution



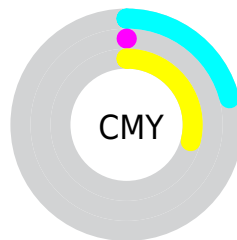
- Red (79%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (92%)



- Cyan (21%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1879, 87.2737, 56.9677 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 68.1879, 87.2737, 56.9677 by changing the saturation by 10% instead.


 68.1879, 87.2737,
56.9677

 68.1879, 87.2737,
56.9677


443.5278,
519.1218, 430.8186

 50.3248, 65.7217,
40.5701

 115.6613,
143.5456, 101.9179

 35.8904, 48.0465,
27.6662


146.0024,
179.0343, 131.3076

 24.5193, 33.8637,
17.8373


181.2336,
219.9373, 165.8652

 15.8461, 22.7889,
10.6650

221.7202,
266.6391, 206.0090

 9.5055, 14.4377,
5.7307

267.8275,
319.5241, 252.1578

 5.1321, 8.4257,
2.6159

319.9210,

 2.3605, 4.3686,

378.9766, 304.7299

0.9007

378.3660,
445.3810, 364.1440

0.8254, 1.8818,
0.0000

0.0000, 0.5374,
0.0000

68.1879, 87.2737,
56.9677

68.1879, 87.2737,
56.9677

61.1030, 83.8964,
44.2052

76.3588, 91.1555,
72.2833

55.0548, 81.0013,
33.8531

85.6589, 95.5612,
90.2762

49.9924, 78.5654,
25.7607

95.0500, 100.0000,
108.9000

45.8595, 76.5634,
19.7588

■ 42.5936, 74.9673,
15.6543

■ 40.1232, 73.7451,
13.2183

■ 38.3534, 72.8554,
12.1129

■ 38.2083, 72.7821,
12.0346

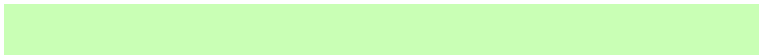
Harmonies

Analogous

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



77.2616, 87.2737, 45.9947



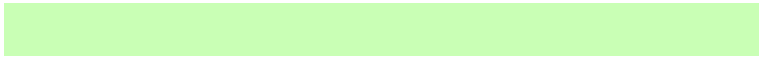
68.1879, 87.2737, 56.9677



63.3108, 87.2737, 79.7495

Triad

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



68.1879, 87.2737, 56.9677



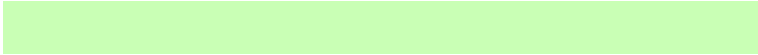
77.4296, 87.2737, 170.5750



106.2276, 87.2737, 79.3017

Complementary

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



68.1879, 87.2737, 56.9677



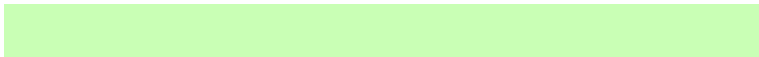
68.8358, 57.9312, 102.1615

Split Complementary

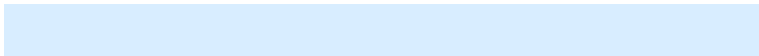
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.2832, 87.2737, 112.1389



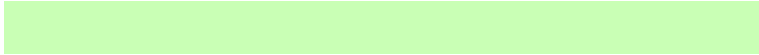
68.1879, 87.2737, 56.9677



88.9132, 87.2737, 170.3755

Square

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



68.1879, 87.2737, 56.9677



68.3011, 87.2737, 147.5981



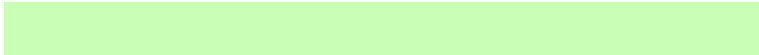
99.7046, 87.2737, 147.1035



99.5590, 87.2737, 56.7057

Rectangle

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



68.1879, 87.2737, 56.9677



62.7783, 87.2737, 100.9373



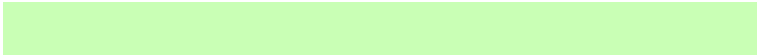
99.7046, 87.2737, 147.1035



107.0393, 87.2737, 89.3506

Sweetspot

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



68.1884, 87.2739, 56.9690



85.6773, 95.5699, 90.3123



79.0132, 83.4613, 55.6626



18.0334, 20.3115, 18.7334



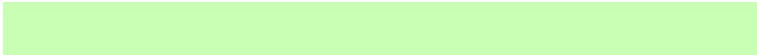
0.0000, 0.0000, 0.0000



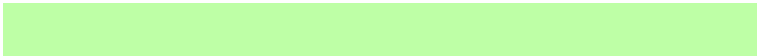
20.3446, 21.4041, 23.3091

Same Dimension

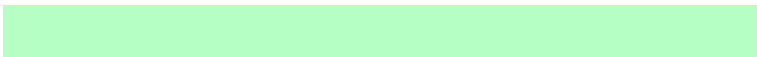
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1884, 87.2739, 56.9690



63.8229, 85.1945, 49.0366



64.8987, 85.3769, 65.9034



18.2321, 20.4056, 19.1221



20.0855, 38.0925, 6.2940



2.0546, 3.7600, 0.6175

Inverse Universe

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



68.8358, 57.9312, 102.1615



64.5569, 51.3705, 101.1207



73.3395, 60.5388, 89.4557



18.2857, 18.0390, 22.7681



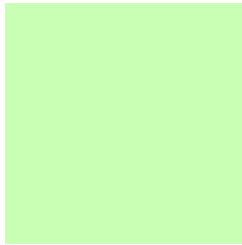
20.1732, 9.3102, 50.1684



2.0686, 0.9603, 4.8896

Previews

White Background



This preview shows how the XYZ color 68.1879, 87.2737, 56.9677 looks on a white background.

Color Contrast Check

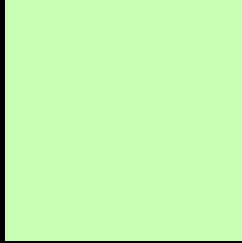
Large Text (above 18pt) WCAG AA × Fail

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 68.1879, 87.2737, 56.9677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

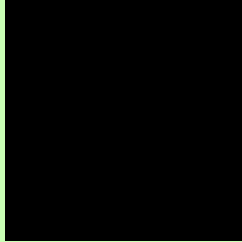
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

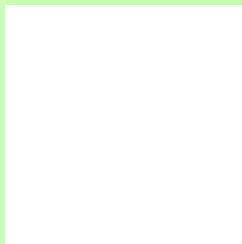
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1879, 87.2737, 56.9677

Background



This preview shows how black text looks on a background with the XYZ color 68.1879, 87.2737, 56.9677.



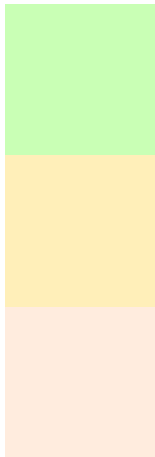
This preview shows how white text looks on a background with the XYZ color 68.1879, 87.2737,

56.9677.

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

68.1879, 87.2737, 56.9677

Protanopia

80.8635, 86.4958, 58.3323

Deuteranopia

84.4203, 86.5248, 81.3588



Tritanopia

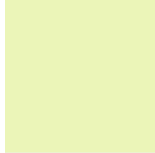
80.8411, 87.1685, 107.1722

Trichromacy



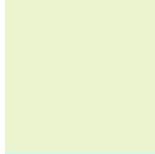
Original Color

68.1879, 87.2737, 56.9677



Protanomaly

75.5651, 86.4277, 58.0469



Deuteranomaly

77.5740, 86.2683, 71.5944



Tritanomaly

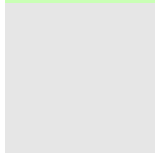
75.5833, 86.7219, 86.1541

Monochromacy



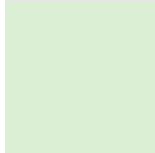
Original Color

68.1879, 87.2737, 56.9677



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9636, 81.5465, 74.2345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1879, 87.2737, 56.9677 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(201, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 181)  
}
```

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(201, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 181) }
```

Border

The CSS property to change the border of an element to XYZ 68.1879, 87.2737, 56.9677 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(201, 255, 181) }
```


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

```
.border{ border-color:rgb(201, 255, 181) }
```

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

Here you see how a box with a 4 pixel rgb(201, 255, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1879, 87.2737, 56.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 181) }
```

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

```
.background{ background-color: rgb(201,  
255, 181) }
```

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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