

# Converting Colors

XYZ(67.9966, 87.0631, 62.0180)

Have a look what the booklet for  
XYZ(67.9966, 87.0631, 62.0180)  
contains.

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# Color

**XYZ(68.0802, 87.1080,  
61.9405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFBE
RGB	197, 255, 190
RGB Percent	77%, 100%, 75%
CMY	0.2274, 0.0000, 0.2549
CMYK	0.23, 0.00, 0.25, 0.00
HSL	114°, 100%, 87%
HSV	114°, 25%, 100%
XYZ	68.0802, 87.1080, 61.9405
YIQ	230.2480, -13.7030, -32.5110

# Conversions

## Conversions Part 2

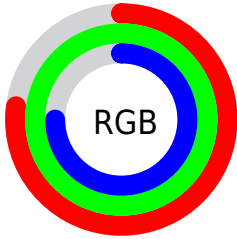
Format	Color
<a href="#">RYB</a>	<a href="#">190, 255, 248</a>
Decimal	<a href="#">12976062</a>
CIELab	<a href="#">94.78, -30.15, 25.29</a>
CIELCh	<a href="#">95, 39.352, 140.011</a>
Yxy	<a href="#">87.1080, 0.3135, 0.4012</a>
Android (android.graphics.Color)	<a href="#">4291166142</a> ( <a href="#">0xFFC5FFBE</a> )
YUV	<a href="#">230.2480, -19.8423, -29.1585</a>
Hunter-Lab	<a href="#">93.3317, -33.1247, 25.9838</a>

# Details

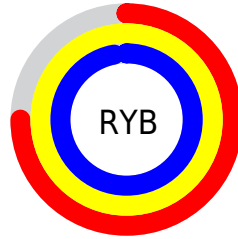
The XYZ color **68.0802, 87.1080, 61.9405** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.1758, 64.0046, 102.9997**, and the grayscale version is **75.5466, 79.4809, 86.5547**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **35.7933, 47.9165, 30.6549** is the 20% darker color. If you saturate the color by 10%, you get **60.0169, 83.2456, 48.2650**, and if you desaturate by 10%, it is **77.5316, 91.6297, 78.2288**.

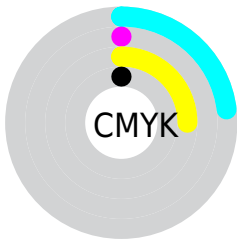
# Distribution



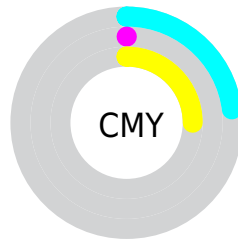
- Red (77%)
- Green (100%)
- Blue (75%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0802, 87.1080, 61.9405 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 68.0802, 87.1080, 61.9405 by changing the saturation by 10% instead.





 68.0802, 87.1080,  
61.9405

 68.0802, 87.1080,  
61.9405


443.1524,  
518.5777, 449.7157

 50.2369, 65.5846,  
44.5491


 115.5081,  
143.3147, 109.2103

 35.8202, 47.9353,  
30.7621


145.8235,  
178.7667, 139.9258

 24.4649, 33.7756,  
20.1608


181.0269,  
219.6304, 175.9198

 15.8054, 22.7213,  
12.3268

221.4838,  
266.2902, 217.6108

 9.4765, 14.3878,  
6.8414

267.5594,  
319.1304, 265.4173

 5.1129, 8.3909,  
3.2862

319.6191,

 2.3491, 4.3461,

378.5354, 319.7580

1.2425

378.0283,  
444.8897, 381.0512

■ 0.8196, 1.8690,  
0.0140

■ 0.0000, 0.5296,  
0.0000

■ 68.0802, 87.1080,  
61.9405

■ 68.0802, 87.1080,  
61.9405

■ 60.0169, 83.2456,  
48.2650

■ 77.5316, 91.6297,  
78.2288

■ 53.2745, 80.0107,  
37.0627

■ 88.4306, 96.8385,  
97.2518

■ 47.7826, 77.3703,  
28.1870

95.0500, 100.0000,  
108.9000

■ 43.4635, 75.2878,  
21.4743

■ 40.2310, 73.7228,  
16.7396

■ 37.9863, 72.6291,  
13.7672

■ 36.6125, 71.9521,  
12.2906

■ 36.2242, 71.7593,  
11.9417

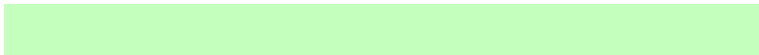
# Harmonies

## Analogous

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



75.9848, 87.1080, 49.7381



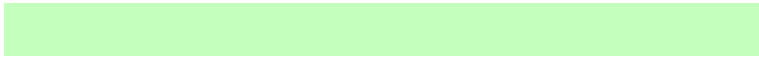
68.0802, 87.1080, 61.9405



64.2266, 87.1080, 85.0360

# Triad

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



68.0802, 87.1080, 61.9405



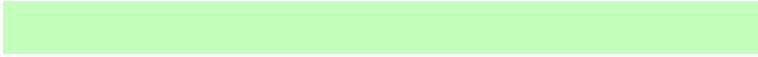
79.2934, 87.1080, 165.0856



103.5547, 87.1080, 76.1667

# Complementary

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



68.0802, 87.1080, 61.9405



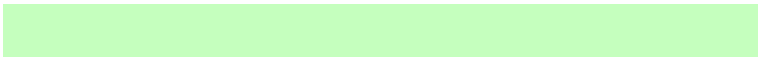
75.1758, 64.0046, 102.9997

# 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.



104.6327, 87.1080, 105.3824



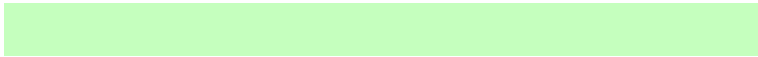
68.0802, 87.1080, 61.9405



89.9974, 87.1080, 161.2802

# Square

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



68.0802, 87.1080, 61.9405



70.3235, 87.1080, 147.2226



99.4873, 87.1080, 137.7271

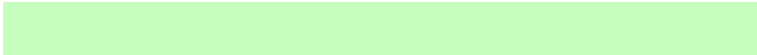


96.6569, 87.1080, 56.6483



# Rectangle

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



68.0802, 87.1080, 61.9405



64.2277, 87.1080, 105.4055



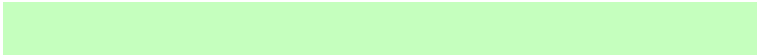
99.4873, 87.1080, 137.7271



104.6312, 87.1080, 85.0160

# Sweetspot

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



68.0808, 87.1083, 61.9418



85.5548, 95.4646, 92.2119



83.9229, 91.7546, 62.0037



17.9531, 20.2617, 19.1090



0.0000, 0.0000, 0.0000

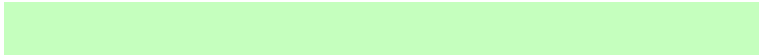


20.3446, 21.4041, 23.3091

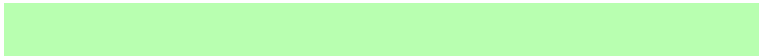


# Same Dimension

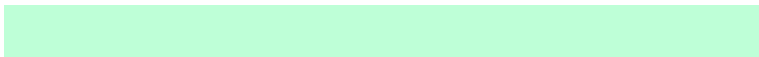
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0808, 87.1083, 61.9418



63.4695, 84.9001, 54.0905



69.2510, 87.3695, 77.4489



17.9531, 20.2617, 19.1090



18.9861, 37.5258, 6.2425



1.9053, 3.6830, 0.6105



# Inverse Universe

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



75.1758, 64.0046, 102.9997



71.7430, 57.9323, 102.0085



73.9487, 63.8058, 83.3432



18.5886, 18.1952, 22.7822



26.1514, 12.3920, 50.4482

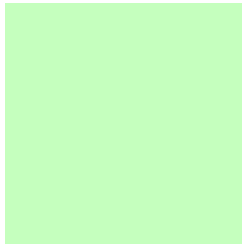


2.5991, 1.2338, 4.9144



# Previews

## White Background



This preview shows how the XYZ color 68.0802, 87.1080, 61.9405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

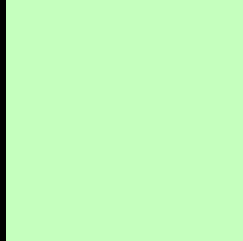
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.0802, 87.1080, 61.9405 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

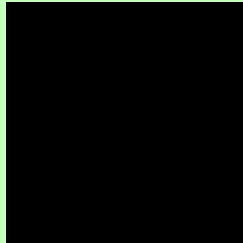
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

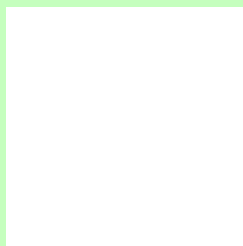
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 68.0802, 87.1080, 61.9405

## Background



This preview shows how black text looks on a background with the XYZ color 68.0802, 87.1080, 61.9405.



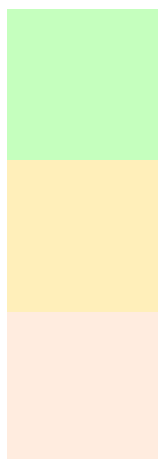
This preview shows how white text looks on a background with the XYZ color 68.0802, 87.1080,

61.9405.

# 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

68.0802, 87.1080, 61.9405

### Protanopia

80.9694, 86.5382, 58.8904

### Deuteranopia

84.5547, 86.5786, 82.0669



## Tritanopia

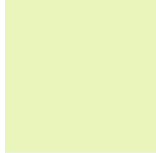
80.2248, 86.8508, 107.1433

# Trichromacy



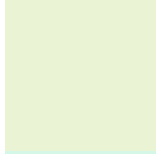
## Original Color

68.0802, 87.1080, 61.9405



## Protanomaly

75.5537, 86.3851, 59.7056



## Deuteranomaly

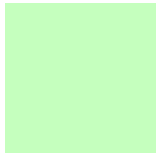
77.7401, 86.2968, 74.1876



## Tritanomaly

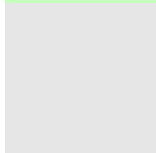
75.1251, 86.4372, 88.3258

# Monochromacy



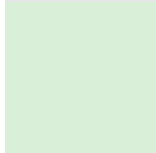
## Original Color

68.0802, 87.1080, 61.9405



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

72.0457, 81.5447, 76.2325

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.0802, 87.1080, 61.9405 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(197, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 190)  
}
```

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(197, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 68.0802, 87.1080, 61.9405 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(197, 255, 190) }
```



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

```
.border{ border-color:rgb(197, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 190); box-shadow:4px 4px 4px 4px rgb(197, 255, 190) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.0802, 87.1080, 61.9405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 190) }
```

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

```
.background{ background-color: rgb(197,  
255, 190) }
```

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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