

Converting Colors

XYZ(68.3257, 87.3031, 58.8562)

Have a look what the booklet for
XYZ(68.3257, 87.3031, 58.8562)
contains.

XYZ(68.2311, 87.2601, 58.5941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.2311, 87.2601,
58.5941)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFB8
RGB	200, 255, 184
RGB Percent	78%, 100%, 72%
CMY	0.2157, 0.0000, 0.2784
CMYK	0.22, 0.00, 0.28, 0.00
HSL	106°, 100%, 86%
HSV	106°, 28%, 100%
XYZ	68.2311, 87.2601, 58.5941
YIQ	230.4610, -9.9890, -33.7410

Conversions

Conversions Part 2

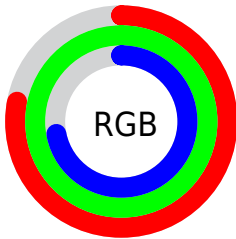
Format	Color
RYB	184, 255, 239
Decimal	13172664
CIELab	94.85, -30.10, 28.44
CIElCh	95, 41.409, 136.622
Yxy	87.2601, 0.3187, 0.4076
Android (android.graphics.Color)	4291362744 (0xFFC8FFB8)
YUV	230.4610, -22.9053, -26.7143
Hunter-Lab	93.4131, -33.0924, 28.1991

Details

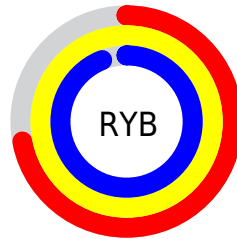
The XYZ color **68.2311, 87.2601, 58.5941** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.7882, 59.8530, 102.4296**, and the grayscale version is **75.7246, 79.6682, 86.7587**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **35.9004, 48.0196, 28.4957** is the 20% darker color. If you saturate the color by 10%, you get **60.8548, 83.7389, 45.5308**, and if you desaturate by 10%, it is **76.7719, 91.3258, 74.2295**.

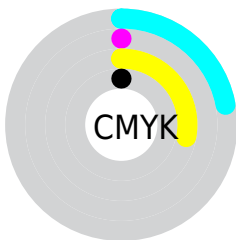
Distribution



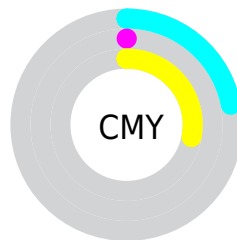
- Red (78%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (94%)



- Cyan (22%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2311, 87.2601, 58.5941 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 68.2311, 87.2601, 58.5941 by changing the saturation by 10% instead.

 68.2311, 87.2601,
58.5941

 68.2311, 87.2601,
58.5941

443.6783,
519.0772, 437.0560

 50.3601, 65.7105,
41.8686


 115.7228,
143.5266, 104.3108

 35.9186, 48.0374,
28.6736


146.0742,
179.0123, 134.1391

 24.5412, 33.8565,
18.5906


181.3165,
219.9121, 169.1721

 15.8624, 22.7834,
11.2010

221.8150,
266.6105, 209.8283

 9.5171, 14.4336,
6.0863

267.9351,
319.4918, 256.5262

 5.1398, 8.4229,
2.8280

320.0421,

 2.3651, 4.3667,

378.9404, 309.6844

1.0075

378.5014,
445.3407, 369.7215

0.8277, 1.8807,
0.0000

0.0000, 0.5368,
0.0000

68.2311, 87.2601,
58.5941

68.2311, 87.2601,
58.5941

60.8548, 83.7389,
45.5308

76.7719, 91.3258,
74.2295

54.5897, 80.7380,
34.8980

86.5243, 95.9577,
92.5604

49.3805, 78.2320,
26.5465

95.0500, 100.0000,
108.9000

45.1661, 76.1931,
20.3093

■ 41.8789, 74.5905,
15.9963

■ 39.4417, 73.3894,
13.3833

■ 37.7594, 72.5473,
12.1709

■ 37.4737, 72.4035,
12.0002

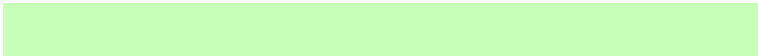
Harmonies

Analogous

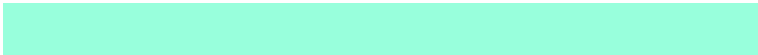
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9213, 87.2601, 47.2698



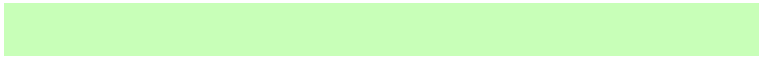
68.2311, 87.2601, 58.5941



63.6783, 87.2601, 81.4263

Triad

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



68.2311, 87.2601, 58.5941



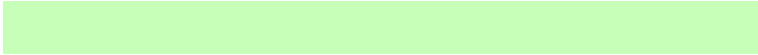
78.0480, 87.2601, 168.6483



105.3647, 87.2601, 78.4176

Complementary

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



68.2311, 87.2601, 58.5941



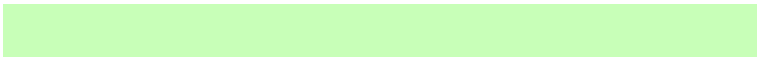
70.7882, 59.8530, 102.4296

Split Complementary

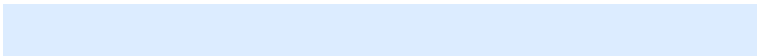
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.7357, 87.2601, 110.0293



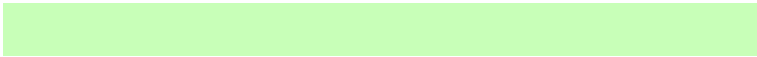
68.2311, 87.2601, 58.5941



89.2608, 87.2601, 167.3254

Square

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



68.2311, 87.2601, 58.5941



68.9917, 87.2601, 147.3396



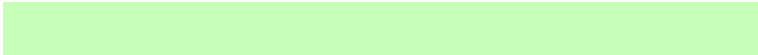
99.6198, 87.2601, 144.0527



98.6477, 87.2601, 56.8214

Rectangle

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



68.2311, 87.2601, 58.5941



63.3089, 87.2601, 102.3124



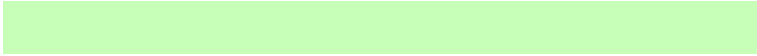
99.6198, 87.2601, 144.0527



106.2554, 87.2601, 88.0663

Sweetspot

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



68.2316, 87.2602, 58.5954



86.3608, 95.8801, 92.2496



80.5930, 86.1228, 57.7243



18.1544, 20.3655, 19.1184



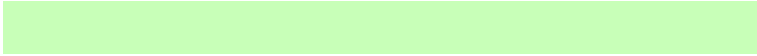
0.0000, 0.0000, 0.0000



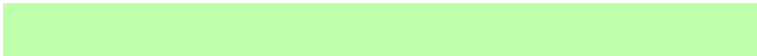
20.3446, 21.4041, 23.3091

Same Dimension

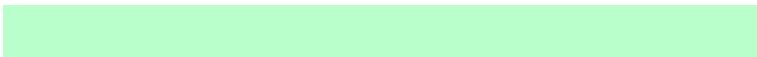
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2316, 87.2602, 58.5954



64.2847, 85.3775, 51.5445



66.2995, 86.0193, 69.5684



18.1544, 20.3655, 19.1184



19.6856, 37.8864, 6.2753



2.0061, 3.7350, 0.6152

Inverse Universe

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



70.7882, 59.8530, 102.4296



67.1893, 54.1286, 101.5143



73.5311, 61.6020, 87.4230



18.3688, 18.0819, 22.7720



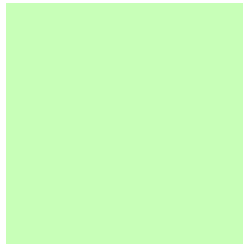
21.6722, 10.0829, 50.2385



2.2036, 1.0299, 4.8959

Previews

White Background



This preview shows how the XYZ color 68.2311, 87.2601, 58.5941 looks on a white background.

Color Contrast Check

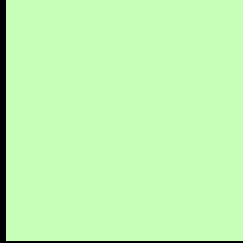
Large Text (above 18pt) WCAG AA × Fail

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 68.2311, 87.2601, 58.5941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

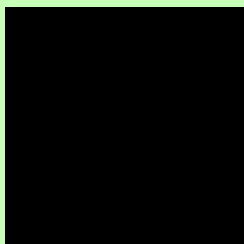
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2311, 87.2601, 58.5941

Background



This preview shows how black text looks on a background with the XYZ color 68.2311, 87.2601, 58.5941.

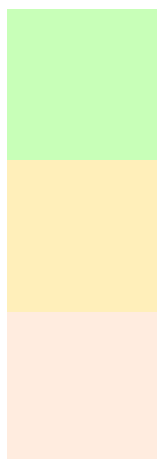


This preview shows how white text looks on a background with the XYZ color 68.2311, 87.2601,

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

68.2311, 87.2601, 58.5941

Protanopia

80.9694, 86.5382, 58.8904

Deuteranopia

84.5547, 86.5786, 82.0669



Tritanopia

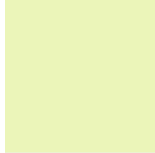
80.8411, 87.1685, 107.1722

Trichromacy



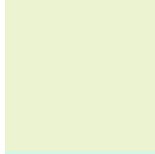
Original Color

68.2311, 87.2601, 58.5941



Protanomaly

75.6703, 86.4698, 58.6010



Deuteranomaly

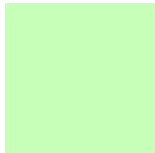
77.8202, 86.3668, 72.8905



Tritanomaly

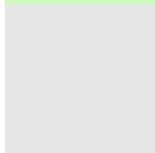
75.4280, 86.6257, 86.8737

Monochromacy



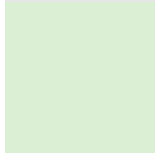
Original Color

68.2311, 87.2601, 58.5941



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0902, 81.5972, 74.9011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2311, 87.2601, 58.5941 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(200, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 184)  
}
```

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(200, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 184) }
```

Border

The CSS property to change the border of an element to XYZ 68.2311, 87.2601, 58.5941 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(200, 255, 184) }
```


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

```
.border{ border-color:rgb(200, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2311, 87.2601, 58.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 184) }
```

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

```
.background{ background-color: rgb(200,  
255, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor