

Converting Colors

XYZ(75.1936, 100.0000,
60.0019)

Have a look what the booklet for
XYZ(75.1936, 100.0000, 60.0019)
contains.

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Color

**XYZ(68.9358, 87.6354,
58.0818)**

Conversions

Conversions Part 1

Format	Color
Hex	CBFFB7
RGB	203, 255, 183
RGB Percent	80%, 100%, 72%
CMY	0.2039, 0.0000, 0.2823
CMYK	0.20, 0.00, 0.28, 0.00
HSL	103°, 100%, 86%
HSV	103°, 28%, 100%
XYZ	68.9358, 87.6354, 58.0818
YIQ	231.2440, -7.8800, -33.4160

Conversions

Conversions Part 2

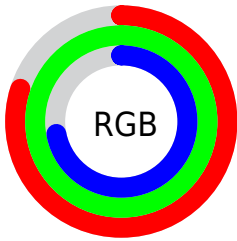
Format	Color
RYB	183, 255, 235
Decimal	13369271
CIELab	95.01, -29.25, 29.19
CIElCh	95, 41.320, 135.055
Yxy	87.6354, 0.3211, 0.4083
Android (android.graphics.Color)	4291559351 (0xFFCBBFB7)
YUV	231.2440, -23.7843, -24.7700
Hunter-Lab	93.6138, -32.3794, 28.7437

Details

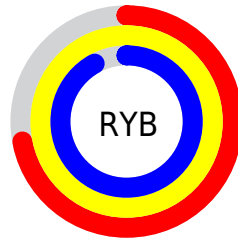
The XYZ color **68.9358, 87.6354, 58.0818** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2455, 58.7505, 102.2981**, and the grayscale version is **76.3127, 80.2869, 87.4324**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **36.4361, 48.2958, 28.5207** is the 20% darker color. If you saturate the color by 10%, you get **61.7961, 84.2341, 45.1255**, and if you desaturate by 10%, it is **77.1533, 91.5366, 73.6011**.

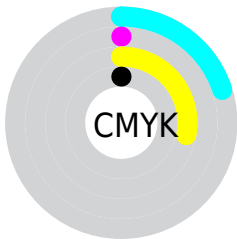
Distribution



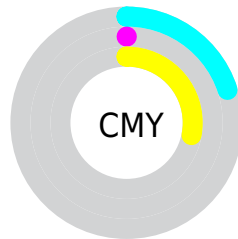
- Red (80%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9358, 87.6354, 58.0818 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 68.9358, 87.6354, 58.0818 by changing the saturation by 10% instead.


 68.9358, 87.6354,
58.0818

 68.9358, 87.6354,
58.0818


446.1294,
520.3085, 435.0974

 50.9359, 66.0212,
41.4593


 116.7244,
144.0495, 103.5579

 36.3784, 48.2896,
28.3557


147.2439,
179.6180, 133.2486

 24.8981, 34.0563,
18.3526


182.6672,
220.6069, 168.1324

 16.1294, 22.9368,
11.0314

223.3597,
267.4004, 208.6279

 9.7072, 14.5469,
5.9735

269.6869,
320.3829, 255.1536

 5.2660, 8.5020,
2.7605

322.0140,

 2.4405, 4.4178,

379.9388, 308.1281

0.9737

380.7064,
446.4525, 367.9698

■ 0.8654, 1.9099,
0.0000

■ 0.0000, 0.5543,
0.0000

■ 68.9358, 87.6354,
58.0818

■ 68.9358, 87.6354,
58.0818

■ 61.7961, 84.2341,
45.1255

■ 77.1533, 91.5366,
73.6011

■ 55.6859, 81.3110,
34.5903

■ 86.4907, 95.9570,
91.8068

■ 50.5552, 78.8437,
26.3269

95.0500, 100.0000,
108.9000

■ 46.3491, 76.8073,
20.1675

■ 43.0066, 75.1747,
15.9214

■ 40.4580, 73.9148,
13.3631

■ 38.6150, 72.9889,
12.1824

■ 38.3460, 72.8532,
12.0410

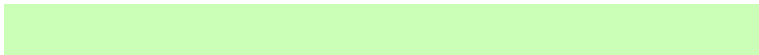
Harmonies

Analogous

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



77.8144, 87.6354, 47.3174



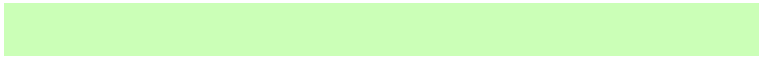
68.9358, 87.6354, 58.0818



64.1367, 87.6354, 80.3530

Triad

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



68.9358, 87.6354, 58.0818



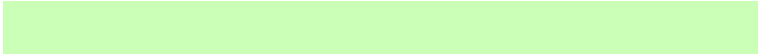
77.8528, 87.6354, 168.4522



105.9195, 87.6354, 80.2506

Complementary

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



68.9358, 87.6354, 58.0818



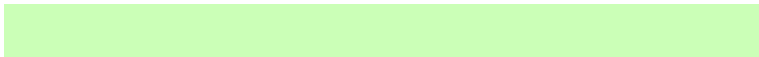
69.2455, 58.7505, 102.2981

Split Complementary

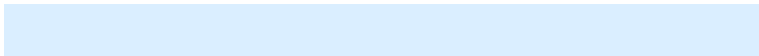
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.9322, 87.6354, 112.2618



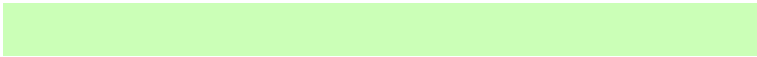
68.9358, 87.6354, 58.0818



89.0267, 87.6354, 168.4072

Square

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



68.9358, 87.6354, 58.0818



68.9617, 87.6354, 146.1869



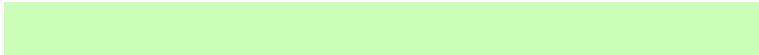
99.5210, 87.6354, 146.0751



99.4879, 87.6354, 58.0214

Rectangle

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



68.9358, 87.6354, 58.0818



63.5955, 87.6354, 100.9699



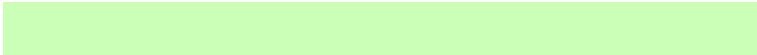
99.5210, 87.6354, 146.0751



106.6923, 87.6354, 90.0774

Sweetspot

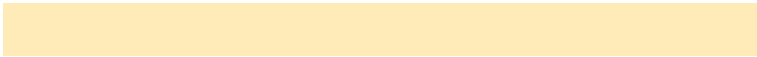
The Sweet Spot groups the original color and five complimentary colors.



68.9363, 87.6356, 58.0831



86.7233, 96.0670, 92.2666



79.3816, 83.8673, 56.8052



18.2451, 20.4123, 19.1227



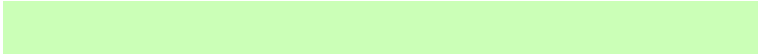
0.0000, 0.0000, 0.0000



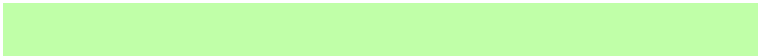
20.3446, 21.4041, 23.3091

Same Dimension

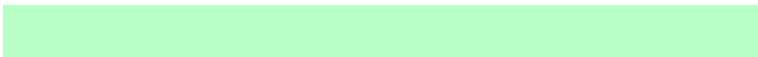
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9363, 87.6356, 58.0831



64.6910, 85.6148, 50.3082



65.5517, 85.6926, 66.8762



18.2451, 20.4123, 19.1227



20.1600, 38.1309, 6.2975



2.0633, 3.7645, 0.6179

Inverse Universe

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



69.2455, 58.7505, 102.2981



65.0366, 52.3114, 101.2771



73.8132, 61.3837, 89.9298



18.2719, 18.0319, 22.7674



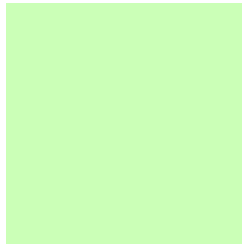
19.9339, 9.1868, 50.1572



2.0469, 0.9492, 4.8886

Previews

White Background



This preview shows how the XYZ color 68.9358, 87.6354, 58.0818 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 68.9358, 87.6354, 58.0818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

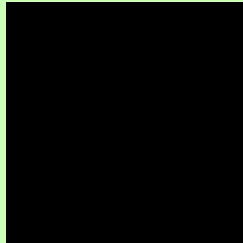
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

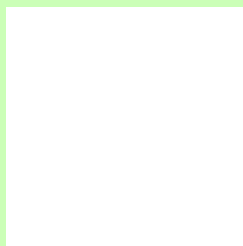
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9358, 87.6354, 58.0818

Background



This preview shows how black text looks on a background with the XYZ color 68.9358, 87.6354, 58.0818.

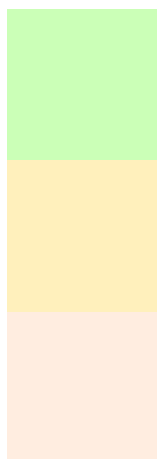


This preview shows how white text looks on a background with the XYZ color 68.9358, 87.6354,

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

68.9358, 87.6354, 58.0818

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.9787, 87.2102, 82.8754



Tritanopia

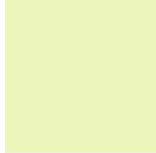
81.4646, 87.4899, 107.2013

Trichromacy



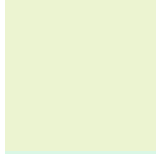
Original Color

68.9358, 87.6354, 58.0818



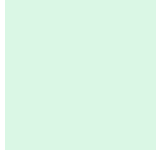
Protanomaly

76.1074, 86.6829, 59.1745



Deuteranomaly

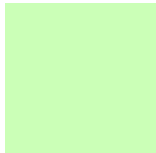
78.4514, 87.1377, 73.0060



Tritanomaly

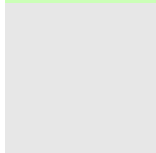
76.3171, 87.0841, 86.9153

Monochromacy



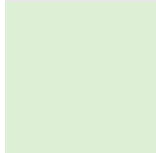
Original Color

68.9358, 87.6354, 58.0818



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1165, 82.5474, 75.6979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9358, 87.6354, 58.0818 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(203, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(203, 255, 183)  
}
```

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(203, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 68.9358, 87.6354, 58.0818 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(203, 255, 183) }
```


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

```
.border{ border-color:rgb(203, 255, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9358, 87.6354, 58.0818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 255, 183) }
```

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

```
.background{ background-color: rgb(203,  
255, 183) }
```

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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