

Converting Colors

XYZ(63.8882, 85.2715, 57.7200)

Have a look what the booklet for
XYZ(63.8882, 85.2715, 57.7200)
contains.

XYZ(63.8357, 85.0062, 57.8431)	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(63.8357, 85.0062,
57.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFB7
RGB	183, 255, 183
RGB Percent	72%, 100%, 72%
CMY	0.2823, 0.0000, 0.2823
CMYK	0.28, 0.00, 0.28, 0.00
HSL	120°, 100%, 86%
HSV	120°, 28%, 100%
XYZ	63.8357, 85.0062, 57.8431
YIQ	225.2640, -19.8000, -37.6560

Conversions

Conversions Part 2

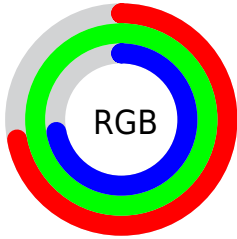
Format	Color
RYB	183, 255, 255
Decimal	12058551
CIELab	93.89, -35.78, 27.48
CIElCh	94, 45.111, 142.473
Yxy	85.0062, 0.3089, 0.4113
Android (android.graphics.Color)	4290248631 (0xFFB7FFB7)
YUV	225.2640, -20.8362, -37.0655
Hunter-Lab	92.1988, -37.7598, 27.3422

Details

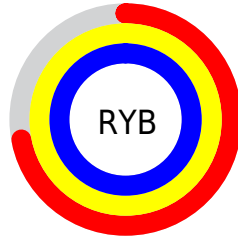
The XYZ color **63.8357, 85.0062, 57.8431** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2236, 62.3474, 102.6236**, and the grayscale version is **71.9130, 75.6581, 82.3917**.

A 20% lighter version of the original color is **87.2752, 96.2773, 95.6448**, and **33.1254, 46.5891, 28.3658** is the 20% darker color. If you saturate the color by 10%, you get **55.8915, 81.1902, 44.8493**, and if you desaturate by 10%, it is **73.3606, 89.5815, 73.4233**.

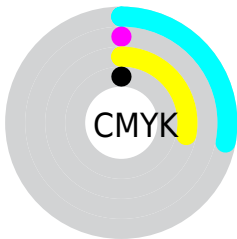
Distribution



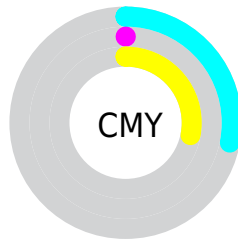
- Red (72%)
- Green (100%)
- Blue (72%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8357, 85.0062, 57.8431 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 63.8357, 85.0062, 57.8431 by changing the saturation by 10% instead.


 63.8357, 85.0062,
57.8431

 63.8357, 85.0062,
57.8431


428.2077,
511.6486, 434.1830

 46.7788, 63.8465,
41.2687


 109.4493,
140.3818, 103.2069

 33.0680, 46.5264,
28.2078


138.7368,
175.3666, 132.8333

 22.3381, 32.6614,
18.2419


172.8318,
215.7284, 167.6474

 14.2235, 21.8672,
10.9526

212.0997,
261.8518, 208.0678

 8.3590, 13.7593,
5.9212

256.9059,
314.1211, 254.5130

 4.3793, 7.9535,
2.7292

307.6158,

 1.9188, 4.0652,

372.9208, 307.4016

0.9581

364.5946,
438.6351, 367.1521

■ 0.5878, 1.7101,
0.0000

■ 0.0000, 0.4302,
0.0000

■ 63.8357, 85.0062,
57.8431

■ 63.8357, 85.0062,
57.8431

■ 55.8915, 81.1902,
44.8493

■ 73.3606, 89.5815,
73.4233

■ 49.4410, 78.0917,
34.2983

■ 84.5436, 94.9532,
91.7150

■ 44.3914, 75.6661,
26.0387

95.0500, 100.0000,
108.9000

■ 40.6388, 73.8635,
19.9006

■ 38.0649, 72.6272,
15.6904

■ 36.5299, 71.8898,
13.1794

■ 35.8410, 71.5589,
12.0526

■ 35.7600, 71.5200,
11.9201

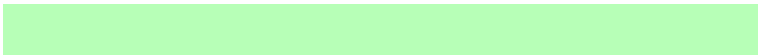
Harmonies

Analogous

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



72.2889, 85.0062, 43.9195



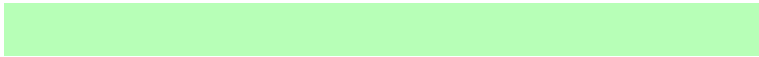
63.8357, 85.0062, 57.8431



60.0024, 85.0062, 84.1639

Triad

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



63.8357, 85.0062, 57.8431



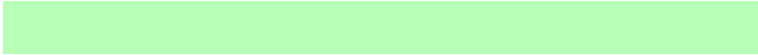
77.8093, 85.0062, 174.7918



104.0606, 85.0062, 69.5155

Complementary

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



63.8357, 85.0062, 57.8431



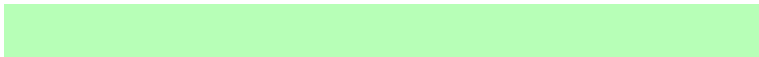
76.2236, 62.3474, 102.6236

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.



105.9112, 85.0062, 101.4909



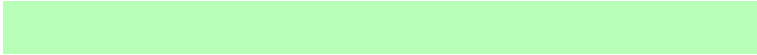
63.8357, 85.0062, 57.8431



89.9453, 85.0062, 168.0792

Square

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



63.8357, 85.0062, 57.8431



67.5337, 85.0062, 155.5149



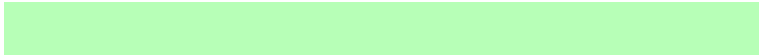
100.5217, 85.0062, 138.9537



95.6896, 85.0062, 49.4019

Rectangle

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



63.8357, 85.0062, 57.8431



60.2865, 85.0062, 107.5835



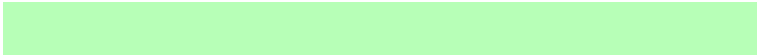
100.5217, 85.0062, 138.9537



105.4974, 85.0062, 78.9997

Sweetspot

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



63.8362, 85.0064, 57.8444



84.8267, 95.0892, 92.1781



85.5474, 96.1989, 58.8599



17.7717, 20.1682, 19.1006



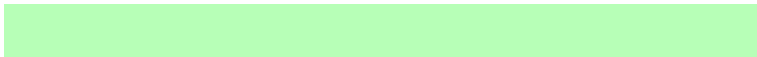
0.0000, 0.0000, 0.0000



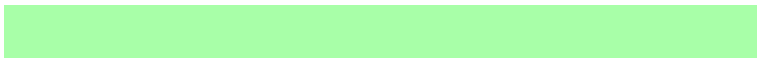
20.3446, 21.4041, 23.3091

Same Dimension

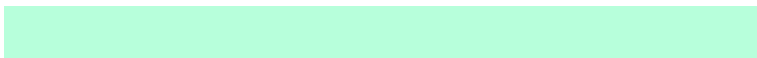
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8362, 85.0064, 57.8444



59.0684, 82.7162, 50.0458



68.0750, 86.7019, 80.1655



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



76.2236, 62.3474, 102.6236



73.3479, 56.5961, 101.6648



70.9600, 60.2420, 74.9061



18.7927, 18.3004, 22.7917



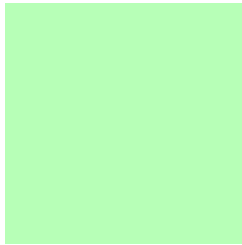
30.9800, 14.8813, 50.6723



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 63.8357, 85.0062, 57.8431 looks on a white background.

Color Contrast Check

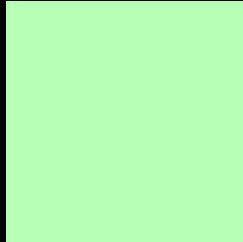
Large Text (above 18pt) WCAG AA × Fail

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 63.8357, 85.0062, 57.8431 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

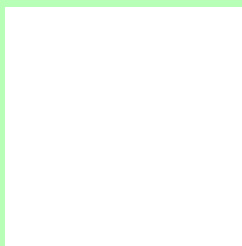
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8357, 85.0062, 57.8431

Background



This preview shows how black text looks on a background with the XYZ color 63.8357, 85.0062, 57.8431.

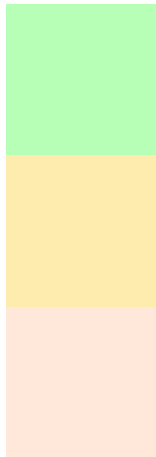


This preview shows how white text looks on a background with the XYZ color 63.8357, 85.0062,

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

63.8357, 85.0062, 57.8431

Protanopia

78.6064, 84.1569, 52.6583

Deuteranopia

82.6210, 83.9830, 77.5014



Tritanopia

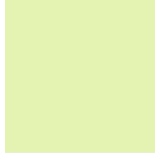
76.9535, 84.7213, 106.9047

Trichromacy



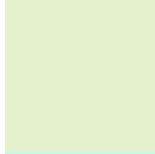
Original Color

63.8357, 85.0062, 57.8431



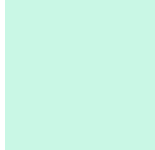
Protanomaly

72.0814, 83.8095, 54.4972



Deuteranomaly

74.4926, 83.3860, 69.9265



Tritanomaly

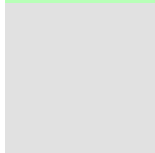
71.4910, 84.5962, 86.6895

Monochromacy



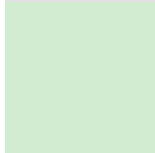
Original Color

63.8357, 85.0062, 57.8431



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.2067, 78.3457, 72.5001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8357, 85.0062, 57.8431 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(183, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 255, 183) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 63.8357, 85.0062, 57.8431 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(183, 255, 183) }
```


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

```
.border{ border-color:rgb(183, 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(183, 255, 183)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 63.8357, 85.0062, 57.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(183,  
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](#).

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