

# Converting Colors

XYZ(63.7489, 82.2187, 66.0052)

Have a look what the booklet for  
XYZ(63.7489, 82.2187, 66.0052)  
contains.

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# Color

**XYZ(63.9071, 82.5157,  
65.9849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FAC6
RGB	183, 250, 198
RGB Percent	72%, 98%, 78%
CMY	0.2823, 0.0196, 0.2235
CMYK	0.27, 0.00, 0.21, 0.02
HSL	133°, 87%, 85%
HSV	133°, 27%, 98%
XYZ	63.9071, 82.5157, 65.9849
YIQ	224.0390, -23.2400, -30.3760

# Conversions

## Conversions Part 2

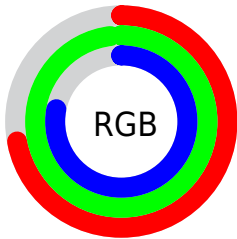
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 238, 250</a>
Decimal	<a href="#">12057286</a>
CIELab	<a href="#">92.80, -30.94, 18.34</a>
CIELCh	<a href="#">93, 35.969, 149.341</a>
Yxy	<a href="#">82.5157, 0.3009, 0.3885</a>
Android (android.graphics.Color)	<a href="#">4290247366 (0xFFB7FAC6)</a>
YUV	<a href="#">224.0390, -12.8372, -35.9912</a>
Hunter-Lab	<a href="#">90.8382, -33.3872, 20.5184</a>

# Details

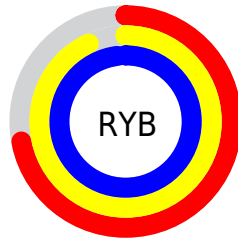
The XYZ color **63.9071, 82.5157, 65.9849** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.3561, 60.1910, 86.4580**, and the grayscale version is **70.9820, 74.6786, 81.3250**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **33.0061, 44.7427, 33.2822** is the 20% darker color. If you saturate the color by 10%, you get **56.3841, 78.8820, 54.6892**, and if you desaturate by 10%, it is **72.7775, 86.8155, 78.8439**.

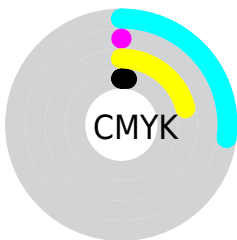
# Distribution



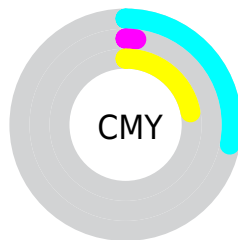
- Red (72%)
- Green (98%)
- Blue (78%)



- Red (72%)
- Yellow (93%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)




- Cyan (28%)
- Magenta (2%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9071, 82.5157, 65.9849 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 63.9071, 82.5157, 65.9849 by changing the saturation by 10% instead.





 63.9071, 82.5157,  
65.9849

 63.9071, 82.5157,  
65.9849


428.4616,  
503.3711, 464.7256

 46.8368, 61.7907,  
47.8037

 109.5516,  
136.8970, 115.0915

 33.1141, 44.8636,  
33.3126


138.8566,  
171.3220, 146.8539

 22.3735, 31.3500,  
22.0930


172.9705,  
211.0825, 183.9806

 14.2497, 20.8655,  
13.7262

212.2587,  
256.5629, 226.8900

 8.3774, 13.0257,  
7.7939

257.0866,  
308.1476, 276.0006

 4.3912, 7.4463,  
3.8775

307.8194,

 1.9258, 3.7427,

366.2209, 331.7311

1.5584

364.8227,  
431.1672, 394.4999

■ 0.5917, 1.5307,  
0.2609

■ 0.0000, 0.3102,  
0.0000

■ 63.9071, 82.5157,  
65.9849

■ 63.9071, 82.5157,  
65.9849

■ 56.3841, 78.8820,  
54.6892

■ 72.7775, 86.8155,  
78.8439

■ 50.1351, 75.8709,  
44.8918

■ 83.0505, 91.8017,  
93.3169

■ 45.0898, 73.4498,  
36.5311

■ 93.4772, 96.8544,  
108.3757

■ 41.1682, 71.5789,  
29.5393

■ 38.2803, 70.2132,  
23.8428

■ 36.3214, 69.3005,  
19.3613

■ 35.1617, 68.7757,  
16.0048

■ 34.9002, 68.6596,  
15.1507

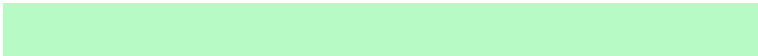
# Harmonies

## Analogous

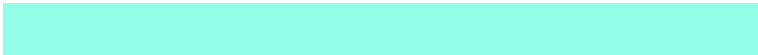
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.9143, 82.5157, 51.9047



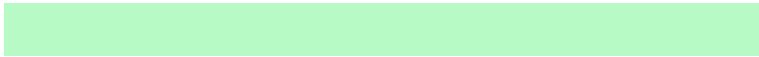
63.9071, 82.5157, 65.9849



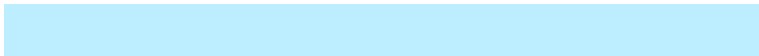
61.7327, 82.5157, 89.2529

# Triad

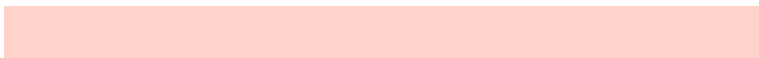
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



63.9071, 82.5157, 65.9849



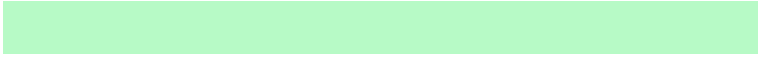
78.2215, 82.5157, 152.0648



95.2345, 82.5157, 66.8259

# Complementary

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



63.9071, 82.5157, 65.9849



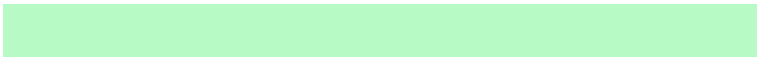
71.3561, 60.1910, 86.4580

# 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.



97.8924, 82.5157, 90.4408



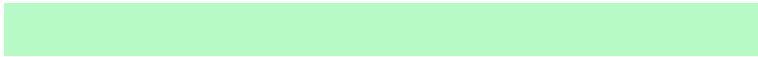
63.9071, 82.5157, 65.9849



87.6078, 82.5157, 142.8465

# Square

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



63.9071, 82.5157, 65.9849



69.5821, 82.5157, 142.0389



94.9986, 82.5157, 118.8595

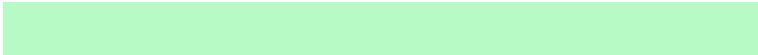


87.9951, 82.5157, 52.3178



# Rectangle

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



63.9071, 82.5157, 65.9849



62.6040, 82.5157, 108.0723



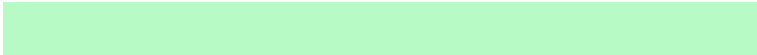
94.9986, 82.5157, 118.8595



96.7178, 82.5157, 73.7928

# Sweetspot

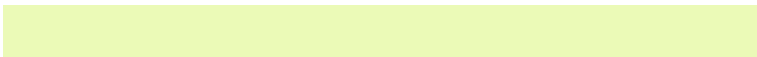
The Sweet Spot groups the original color and five complimentary colors.



63.9093, 82.5192, 65.9867



85.4937, 95.3560, 95.6904



77.1568, 89.5386, 58.0168



17.9381, 20.2348, 19.9768



0.0000, 0.0000, 0.0000

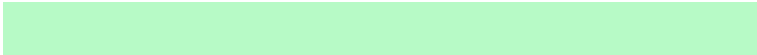


20.3446, 21.4041, 23.3091

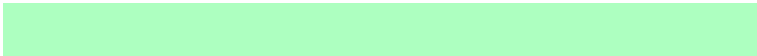


# Same Dimension

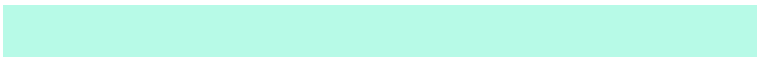
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.9093, 82.5192, 65.9867



62.5599, 84.2410, 62.6395



68.1428, 84.2125, 88.2798



17.1765, 19.3729, 19.1299



18.5554, 36.4352, 8.2683



1.7567, 3.3898, 0.9666



# Inverse Universe

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



71.3561, 60.1910, 86.4580



71.5073, 57.3995, 87.2259



67.0190, 58.4562, 63.6193



17.8170, 17.4541, 20.8919



26.1357, 12.8700, 28.4867

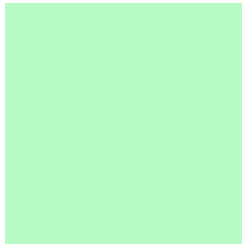


2.4600, 1.2077, 2.8459



# Previews

## White Background



This preview shows how the XYZ color 63.9071, 82.5157, 65.9849 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 63.9071, 82.5157, 65.9849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

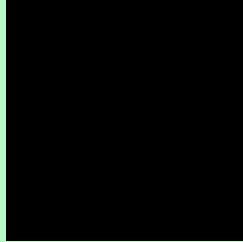
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.9071, 82.5157, 65.9849**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.9071, 82.5157, 65.9849.



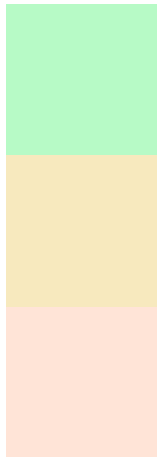
This preview shows how white text looks on a background with the XYZ color 63.9071, 82.5157,

65.9849.

# 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

63.9071, 82.5157, 65.9849

### Protanopia

76.7909, 81.7697, 60.4510

### Deuteranopia

81.2491, 81.6531, 75.7683



## Tritanopia

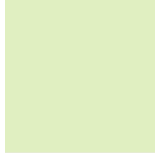
74.1119, 82.3775, 106.6021

# Trichromacy



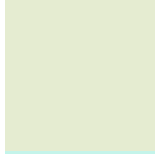
## Original Color

63.9071, 82.5157, 65.9849



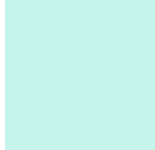
## Protanomaly

71.2326, 81.4306, 62.4154



## Deuteranomaly

73.8172, 81.2524, 72.1143



## Tritanomaly

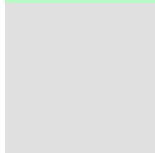
69.9669, 82.3776, 90.0547

# Monochromacy



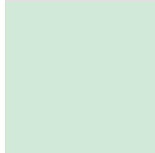
## Original Color

63.9071, 82.5157, 65.9849



## Achromatopsia

70.8507, 74.5404, 81.1745



## Achromatomaly

67.6992, 76.7394, 75.5340

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.9071, 82.5157, 65.9849 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, 250, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 250, 198)  
}
```

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, 250, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 250, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 63.9071, 82.5157, 65.9849 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, 250, 198) }
```



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

```
.border{ border-color:rgb(183, 250, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 250, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 250, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 250, 198);  
box-shadow:4px 4px 4px 4px rgb(183, 250,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.9071, 82.5157, 65.9849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 250, 198) }
```

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

```
.background{ background-color: rgb(183,  
250, 198) }
```

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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