

# Converting Colors

XYZ(64.2818, 85.2095, 59.0685)

Have a look what the booklet for  
XYZ(64.2818, 85.2095, 59.0685)  
contains.

|  |    |
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# Color

**XYZ(64.2841, 85.2131,  
58.9586)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | B8FFB9                       |
| RGB         | 184, 255, 185                |
| RGB Percent | 72%, 100%, 73%               |
| CMY         | 0.2784, 0.0000, 0.2745       |
| CMYK        | 0.28, 0.00, 0.27, 0.00       |
| HSL         | 121°, 100%, 86%              |
| HSV         | 121°, 28%, 100%              |
| XYZ         | 64.2841, 85.2131, 58.9586    |
| YIQ         | 225.7910, -19.8460, -36.8220 |

# Conversions

## Conversions Part 2

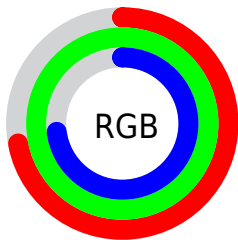
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 184, 254, 255                   |
| Decimal                             | 12124089                        |
| CIELab                              | 93.97, -35.14, 26.60            |
| CIELCh                              | 94, 44.068, 142.875             |
| Yxy                                 | 85.2131, 0.3084,<br>0.4088      |
| Android<br>(android.graphics.Color) | 4290314169<br>(0xFFB8FFB9)      |
| YUV                                 | 225.7910, -20.1100,<br>-36.6507 |
| Hunter-Lab                          | 92.3109, -37.2391,<br>26.7494   |

# Details

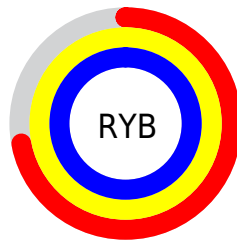
The XYZ color **64.2841, 85.2131, 58.9586** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.2699, 62.6972, 101.8468**, and the grayscale version is **72.2883, 76.0529, 82.8216**.

A 20% lighter version of the original color is **87.9128, 96.5716, 97.2258**, and **33.4122, 46.7212, 29.0869** is the 20% darker color. If you saturate the color by 10%, you get **56.2924, 81.3733, 45.9341**, and if you desaturate by 10%, it is **73.8472, 89.8088, 74.5088**.

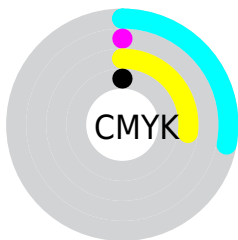
# Distribution



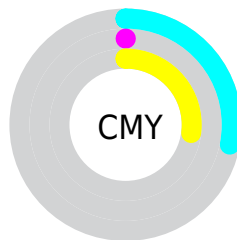
- Red (72%)
- Green (100%)
- Blue (73%)



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



- Cyan (28%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2841, 85.2131, 58.9586 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 64.2841, 85.2131, 58.9586 by changing the saturation by 10% instead.





 64.2841, 85.2131,  
58.9586

 64.2841, 85.2131,  
58.9586


429.8008,  
512.3329, 438.4461

 47.1434, 64.0175,  
42.1600

 110.0914,  
140.6709, 104.8460

 33.3574, 46.6648,  
28.9001


139.4887,  
175.7018, 134.7719

 22.5609, 32.7708,  
18.7603


173.7023,  
216.1133, 169.9107

 14.3886, 21.9509,  
11.3222

213.0974,  
262.2897, 210.6808

 8.4749, 13.8208,  
6.1671

258.0394,  
314.6155, 257.5009

 4.4546, 7.9962,  
2.8765

308.8938,

 1.9624, 4.0925,

373.4751, 310.7894

1.0319

366.0258,  
439.2527, 370.9650

■ 0.6127, 1.7254,  
0.0000

■ 0.0000, 0.4400,  
0.0000

■ 64.2841, 85.2131,  
58.9586

■ 64.2841, 85.2131,  
58.9586

■ 56.2924, 81.3733,  
45.9341

■ 73.8472, 89.8088,  
74.5088

■ 49.7866, 78.2481,  
35.2984

■ 85.0577, 95.1969,  
92.7038

■ 44.6756, 75.7936,  
26.9076

95.0500, 100.0000,  
108.9000

■ 40.8573, 73.9609,  
20.6008

■ 38.2163, 72.6942,  
16.1958

■ 36.6162, 71.9277,  
13.4791

■ 35.8783, 71.5753,  
12.1834

■ 35.7797, 71.5279,  
12.0237

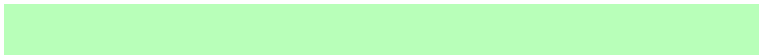
# Harmonies

## Analogous

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



72.5252, 85.2131, 45.0308



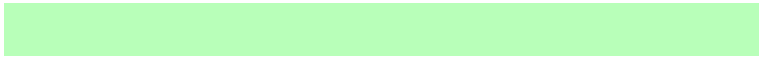
64.2841, 85.2131, 58.9586



60.5824, 85.2131, 84.9880

# Triad

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



64.2841, 85.2131, 58.9586



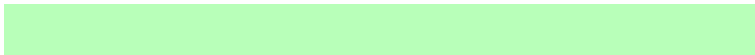
78.2231, 85.2131, 172.9171



103.6380, 85.2131, 69.8386

# Complementary

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



64.2841, 85.2131, 58.9586



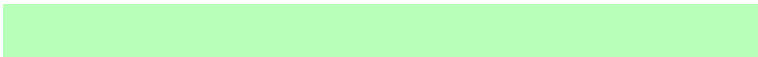
76.2699, 62.6972, 101.8468

# 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.



105.5379, 85.2131, 101.0397



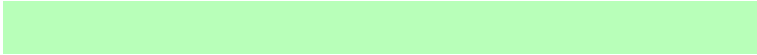
64.2841, 85.2131, 58.9586



90.0944, 85.2131, 166.0610

# Square

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



64.2841, 85.2131, 58.9586



68.1098, 85.2131, 154.5118



100.3709, 85.2131, 137.5605

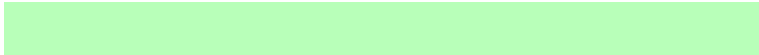


95.4051, 85.2131, 50.1700



# Rectangle

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



64.2841, 85.2131, 58.9586



60.9073, 85.2131, 107.9574



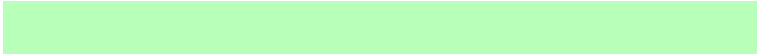
100.3709, 85.2131, 137.5605



105.0691, 85.2131, 79.1009

# Sweetspot

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



64.2847, 85.2134, 58.9599



84.8682, 95.1058, 92.3964



85.6519, 96.2407, 59.4100



17.7820, 20.1723, 19.1549



0.0000, 0.0000, 0.0000

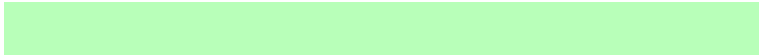


20.3446, 21.4041, 23.3091

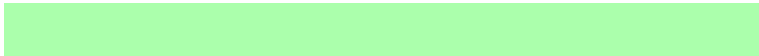


# Same Dimension

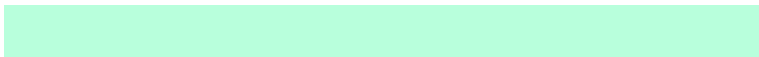
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2847, 85.2134, 58.9599



59.9718, 83.1411, 51.9352



68.3797, 86.8514, 80.5239



17.7820, 20.1723, 19.1549



18.7001, 37.3767, 6.3063



1.8243, 3.6406, 0.6324



# Inverse Universe

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



76.2699, 62.6972, 101.8468



73.6341, 57.4730, 100.8218



71.2329, 60.6824, 75.3224



18.7810, 18.2957, 22.7298



30.6856, 14.7636, 49.1225

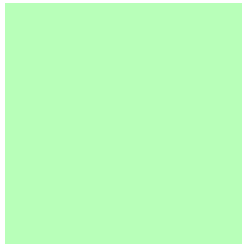


2.9912, 1.4388, 4.8009



# Previews

## White Background



This preview shows how the XYZ color 64.2841, 85.2131, 58.9586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

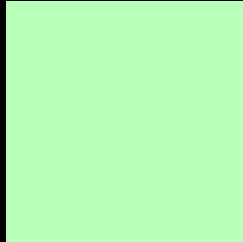
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2841, 85.2131, 58.9586 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

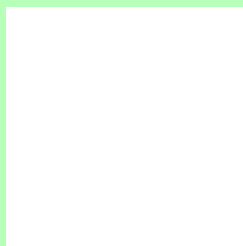
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.2841, 85.2131, 58.9586**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2841, 85.2131, 58.9586.



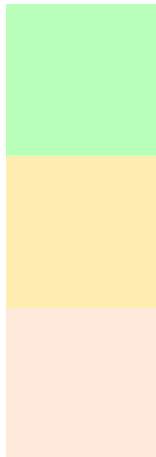
This preview shows how white text looks on a background with the XYZ color 64.2841, 85.2131,

58.9586.

# 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

64.2841, 85.2131, 58.9586

### Protanopia

78.8043, 84.2361, 53.7007

### Deuteranopia

83.0338, 84.5998, 78.2827



## **Tritanopia**

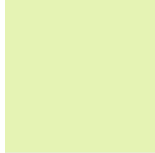
77.2427, 84.8704, 106.9182

# Trichromacy



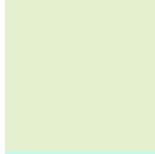
## Original Color

64.2841, 85.2131, 58.9586



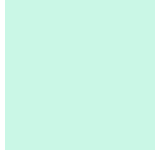
## Protanomaly

72.6019, 84.0545, 55.5776



## Deuteranomaly

74.9090, 84.0248, 70.6628



## Tritanomaly

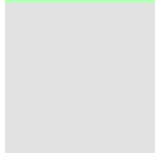
71.9008, 84.7913, 87.4397

# Monochromacy



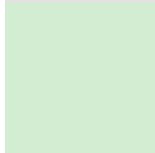
## Original Color

64.2841, 85.2131, 58.9586



## Achromatopsia

72.2879, 76.0525, 82.8211



## Achromatomaly

68.9060, 79.1204, 73.2680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2841, 85.2131, 58.9586 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(184, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 185)  
}
```

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(184, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2841, 85.2131, 58.9586 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(184, 255, 185) }
```



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

```
.border{ border-color:rgb(184, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2841, 85.2131, 58.9586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 185) }
```

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

```
.background{ background-color: rgb(184,  
255, 185) }
```

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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