

# Converting Colors

XYZ(57.9589, 74.5298, 50.1529)

Have a look what the booklet for  
XYZ(57.9589, 74.5298, 50.1529)  
contains.

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# Color

**XYZ(58.0285, 74.4419,  
50.3400)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9EEAC
RGB	185, 238, 172
RGB Percent	73%, 93%, 67%
CMY	0.2745, 0.0666, 0.3255
CMYK	0.22, 0.00, 0.28, 0.07
HSL	108°, 66%, 80%
HSV	108°, 28%, 93%
XYZ	58.0285, 74.4419, 50.3400
YIQ	214.6290, -10.4020, -31.7620

# Conversions

## Conversions Part 2

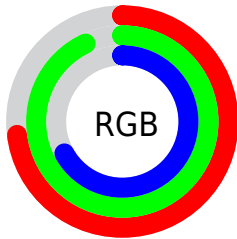
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 238, 225
Decimal	12185260
CIELab	89.13, -28.98, 26.61
CIELCh	89, 39.346, 137.443
Yxy	74.4419, 0.3174, 0.4072
Android (android.graphics.Color)	4290375340 (0xFFB9EEAC)
YUV	214.6290, -21.0161, -25.9846
Hunter-Lab	86.2797, -30.9371, 25.8030

# Details

The XYZ color **58.0285, 74.4419, 50.3400** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.2396, 51.6878, 87.6419**, and the grayscale version is **64.4847, 67.8429, 73.8809**.

A 20% lighter version of the original color is **86.3815, 95.9987, 87.3756**, and **29.4178, 39.6131, 23.5484** is the 20% darker color. If you saturate the color by 10%, you get **51.6397, 71.3914, 39.1590**, and if you desaturate by 10%, it is **65.4505, 77.9821, 63.7093**.

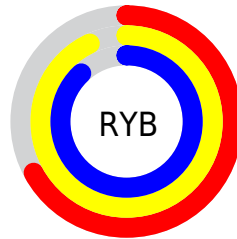
# Distribution



Red (73%)

Green (93%)

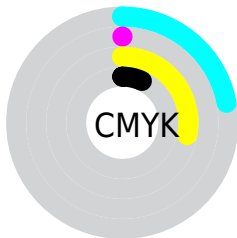
Blue (67%)



Red (67%)

Yellow (93%)

Blue (88%)

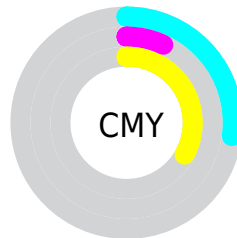


Cyan (22%)

Magenta (0%)

Yellow (28%)

Black (7%)



Cyan (27%)

Magenta (7%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0285, 74.4419, 50.3400 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 58.0285, 74.4419, 50.3400 by changing the saturation by 10% instead.



■ 58.0285, 74.4419,  
50.3400

■ 58.0285, 74.4419,  
50.3400

407.2443,  
475.9971, 404.7672

■ 42.0749, 55.1558,  
35.3106

■ 101.0871,  
125.5220, 92.0799

■ 29.3513, 39.5265,  
23.6167

128.9228,  
158.0848, 119.6275

■ 19.4924, 27.1695,  
14.8400

161.4499,  
195.8420, 152.1848

■ 12.1327, 17.7006,  
8.5618

199.0338,  
239.1780, 190.1705

■ 6.9070, 10.7352,  
4.3636

242.0399,  
288.4770, 234.0030

■ 3.4498, 5.8891,  
1.8269


290.8334,


■ 1.3958, 2.7778,


344.1237, 284.1009


0.4456


345.7797,  
406.5022, 340.8828


 0.2533, 1.0168,  
0.0000


 0.0000, 0.0000,  
0.0000

 58.0285, 74.4419,  
50.3400


 58.0285, 74.4419,  
50.3400

 51.6397, 71.3914,  
39.1590


 65.4505, 77.9821,  
63.7093


 46.2318, 68.7997,  
30.0451

 73.9433, 82.0225,  
79.3696

 41.7567, 66.6468,  
22.8729

 83.5497, 86.5851,  
97.4231

 38.1598, 64.9077,  
17.5014

 89.8660, 89.6320,  
107.1720

■ 35.3803, 63.5545,  
13.7706

■ 33.3493, 62.5558,  
11.4921

■ 31.9814, 61.8731,  
10.4121

■ 31.7425, 61.7534,  
10.2466

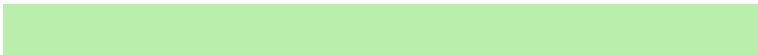
# Harmonies

## Analogous

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



65.3727, 74.4419, 40.4063



58.0285, 74.4419, 50.3400



54.2466, 74.4419, 70.1118

# Triad

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



58.0285, 74.4419, 50.3400



66.8229, 74.4419, 144.2633



89.8347, 74.4419, 66.2395

# Complementary

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



58.0285, 74.4419, 50.3400



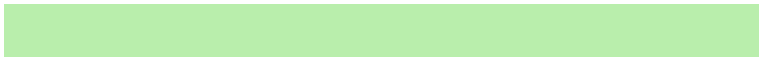
61.2396, 51.6878, 87.6419

# 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.



90.3123, 74.4419, 93.0806



58.0285, 74.4419, 50.3400



76.4245, 74.4419, 142.5596

# Square

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



58.0285, 74.4419, 50.3400



59.0074, 74.4419, 126.4837



85.2177, 74.4419, 122.2512

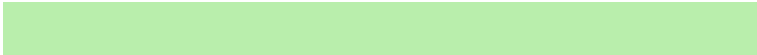


83.9662, 74.4419, 48.0592



# Rectangle

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



58.0285, 74.4419, 50.3400



54.0077, 74.4419, 88.0862



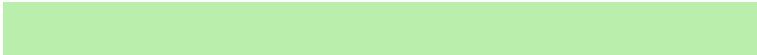
85.2177, 74.4419, 122.2512



90.6488, 74.4419, 74.4075

# Sweetspot

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



58.0304, 74.4451, 50.3416



86.1653, 95.7793, 92.2405



69.5806, 74.9015, 49.8210



18.1055, 20.3403, 19.1161



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

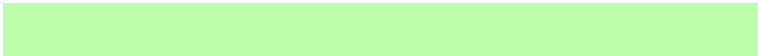


# Same Dimension

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



58.0304, 74.4451, 50.3416



63.6935, 85.0727, 51.5168



57.0824, 73.7200, 60.9757



15.8565, 17.8062, 16.7509



17.7906, 34.4930, 5.7201



1.5577, 2.9095, 0.4795



# Inverse Universe

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



61.2396, 51.6878, 87.6419



67.9881, 54.5404, 101.5517



62.6962, 52.7566, 73.3485



16.1315, 15.8650, 19.9336



20.7218, 9.6879, 45.9057

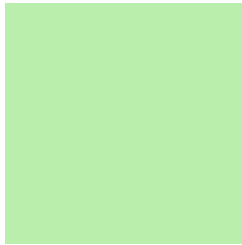


1.8007, 0.8456, 3.8225



# Previews

## White Background



This preview shows how the XYZ color 58.0285, 74.4419, 50.3400 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

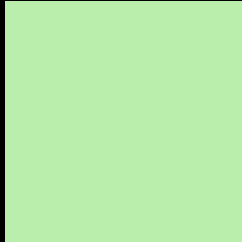
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.0285, 74.4419, 50.3400 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

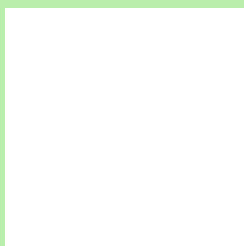
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.0285, 74.4419, 50.3400**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.0285, 74.4419, 50.3400.



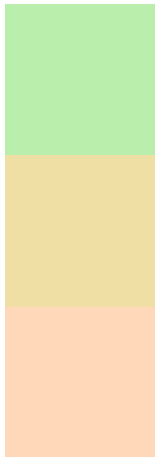
This preview shows how white text looks on a background with the XYZ color 58.0285, 74.4419,



# 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

58.0285, 74.4419, 50.3400

### Protanopia

68.7758, 73.8427, 46.2255

### Deuteranopia

74.5528, 73.8745, 56.2288



## **Tritanopia**

67.5579, 74.0725, 98.7324

# Trichromacy



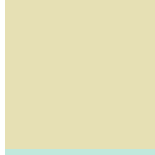
## Original Color

58.0285, 74.4419, 50.3400



## Protanomaly

64.0247, 73.3740, 47.8339



## Deuteranomaly

67.5270, 73.4296, 53.7943



## Tritanomaly

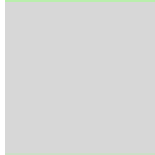
63.7672, 74.2180, 78.6748

# Monochromacy



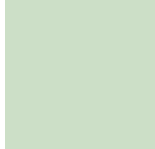
## Original Color

58.0285, 74.4419, 50.3400



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.5983, 69.7362, 64.2467

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0285, 74.4419, 50.3400 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(185, 238, 172)` looks like.

```
.text, #text, p{  
    color:rgb(185, 238, 172)  
}
```

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(185, 238, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 238, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0285, 74.4419, 50.3400 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(185, 238, 172) }
```



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

```
.border{ border-color:rgb(185, 238, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 238, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 238, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 238, 172);  
box-shadow:4px 4px 4px 4px rgb(185, 238,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0285, 74.4419, 50.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 238, 172) }
```

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

```
.background{ background-color: rgb(185,  
238, 172) }
```

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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