

# Converting Colors

XYZ(58.1479, 69.8974, 63.0530)

Have a look what the booklet for  
XYZ(58.1479, 69.8974, 63.0530)  
contains.

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# Color

**XYZ(58.3150, 70.0828,  
63.2771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE4C5
RGB	187, 228, 197
RGB Percent	73%, 89%, 77%
CMY	0.2667, 0.1059, 0.2274
CMYK	0.18, 0.00, 0.14, 0.11
HSL	135°, 43%, 81%
HSV	135°, 18%, 89%
XYZ	58.3150, 70.0828, 63.2771
YIQ	212.2070, -14.4850, -18.3330

# Conversions

## Conversions Part 2

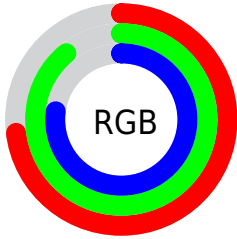
Format	Color
<a href="#">RYB</a>	<a href="#">187, 220, 228</a>
Decimal	<a href="#">12313797</a>
CIELab	<a href="#">87.04, -19.26, 10.75</a>
CIELCh	<a href="#">87, 22.059, 150.835</a>
Yxy	<a href="#">70.0828, 0.3042, 0.3656</a>
Android (android.graphics.Color)	<a href="#">4290503877 (0xFFBBE4C5)</a>
YUV	<a href="#">212.2070, -7.4971, -22.1065</a>
Hunter-Lab	<a href="#">83.7155, -22.1615, 13.7859</a>

# Details

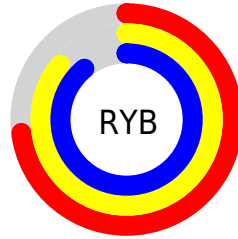
The XYZ color **58.3150, 70.0828, 63.2771** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.4226, 57.0984, 74.0640**, and the grayscale version is **62.7738, 66.0429, 71.9207**.

A 20% lighter version of the original color is **90.9576, 97.9089, 107.8703**, and **29.3833, 36.4748, 31.4783** is the 20% darker color. If you saturate the color by 10%, you get **51.3101, 66.6890, 53.2209**, and if you desaturate by 10%, it is **66.4353, 74.0295, 74.5678**.

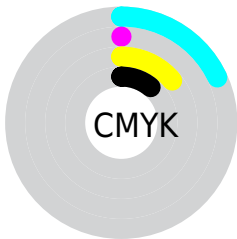
# Distribution



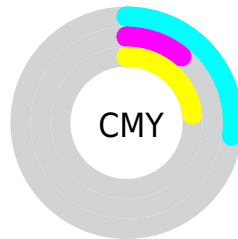
- Red (73%)
- Green (89%)
- Blue (77%)



- Red (73%)
- Yellow (86%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)




- Cyan (27%)
- Magenta (11%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3150, 70.0828, 63.2771 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 58.3150, 70.0828, 63.2771 by changing the saturation by 10% instead.





 58.3150, 70.0828,  
63.2771

 58.3150, 70.0828,  
63.2771


408.2936,  
460.8407, 454.7100

 42.3062, 51.5940,  
45.6230


 101.5018,  
119.3268, 111.1586

 29.5333, 36.6816,  
31.6019


129.4104,  
150.8509, 142.2231

 19.6309, 24.9611,  
20.7953


162.0164,  
187.4888, 178.5948

 12.2337, 16.0480,  
12.7847

199.6851,  
229.6251, 220.6922

 6.9764, 9.5582,  
7.1515

242.7818,  
277.6440, 268.9339

 3.4935, 5.1070,  
3.4771


291.6719,

 1.4198, 2.3102,


331.9299, 323.7384


1.3431


346.7207,  
392.8674, 385.5243


 0.2703, 0.7791,  
0.0967


 0.0000, 0.0000,  
0.0000


 58.3150, 70.0828,  
63.2771


 58.3150, 70.0828,  
63.2771


 51.3101, 66.6890,  
53.2209


 66.4353, 74.0295,  
74.5678


 45.3656, 63.8146,  
44.3527

 75.7113, 78.5431,  
87.1282

 40.4304, 61.4362,  
36.6298

 86.0401, 83.5716,  
100.9908

 36.4466, 59.5250,  
30.0053

 87.0347, 83.9694,  
106.2282

■ 33.3507, 58.0492,  
24.4289

■ 31.0708, 56.9729,  
19.8464

■ 29.5231, 56.2542,  
16.1986

■ 28.5939, 55.8357,  
13.4193

■ 28.4489, 55.7711,  
12.9566

# Harmonies

## Analogous

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



61.6526, 70.0828, 54.4105



58.3150, 70.0828, 63.2771



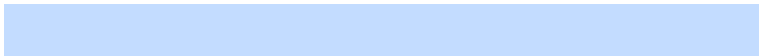
57.1720, 70.0828, 76.7233

# Triad

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



58.3150, 70.0828, 63.2771



66.7564, 70.0828, 108.4057



75.5026, 70.0828, 62.6458

# Complementary

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



58.3150, 70.0828, 63.2771



62.4226, 57.0984, 74.0640

# 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.



77.0370, 70.0828, 75.8947



58.3150, 70.0828, 63.2771



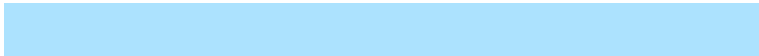
71.8297, 70.0828, 103.4105

# Square

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



58.3150, 70.0828, 63.2771



61.8908, 70.0828, 103.9187



75.6600, 70.0828, 91.0159



71.5665, 70.0828, 54.0805



# Rectangle

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



58.3150, 70.0828, 63.2771



57.7592, 70.0828, 86.8718



75.6600, 70.0828, 91.0159



76.3252, 70.0828, 66.6378

# Sweetspot

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



58.3169, 70.0858, 63.2787



89.0002, 97.0561, 100.7171



65.7590, 74.0503, 57.8420



18.8743, 20.6887, 21.3187



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

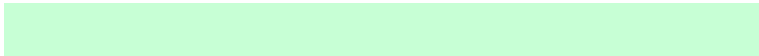


# Same Dimension

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



58.3169, 70.0858, 63.2787



71.2439, 88.4313, 75.9869



60.7723, 71.0679, 76.2083



14.3327, 16.1465, 16.0169



16.4660, 32.2185, 7.6881



1.2529, 2.3953, 0.7583



# Inverse Universe

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



62.4226, 57.0984, 74.0640



77.5652, 68.4307, 92.5888



59.9528, 56.1104, 61.0579



14.8370, 14.5520, 17.3419



22.8459, 11.2726, 23.8811

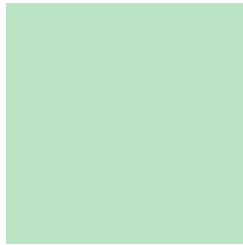


1.7242, 0.8474, 1.9543



# Previews

## White Background



This preview shows how the XYZ color 58.3150, 70.0828, 63.2771 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

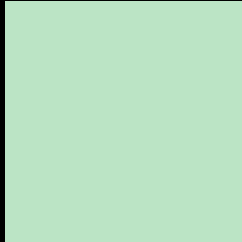
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.3150, 70.0828, 63.2771 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

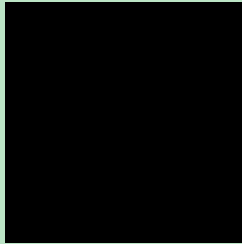
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

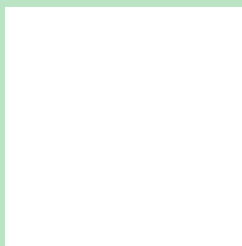
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 58.3150, 70.0828, 63.2771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.3150, 70.0828, 63.2771.



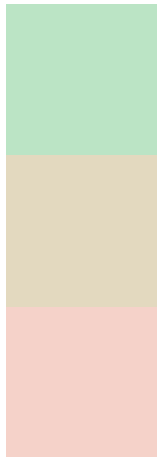
This preview shows how white text looks on a background with the XYZ color 58.3150, 70.0828,



# 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

58.3150, 70.0828, 63.2771

### Protanopia

65.8954, 69.7182, 59.2741

### Deuteranopia

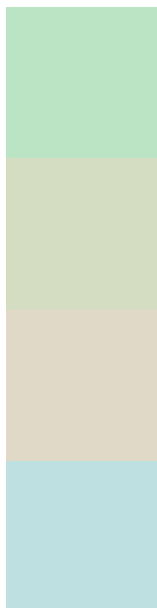
71.2454, 69.7227, 64.9611



## Tritanopia

64.0976, 70.0032, 92.5717

# Trichromacy



## Original Color

58.3150, 70.0828, 63.2771

## Protanomaly

62.6335, 69.5602, 60.5774

## Deuteranomaly

65.9787, 69.6431, 64.6086

## Tritanomaly

61.5961, 69.7695, 80.7414

# Monochromacy



## Original Color

58.3150, 70.0828, 63.2771

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.9625, 67.3443, 68.8172

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.3150, 70.0828, 63.2771 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(187, 228, 197)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 197)  
}
```

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(187, 228, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 58.3150, 70.0828, 63.2771 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(187, 228, 197) }
```



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

```
.border{ border-color:rgb(187, 228, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 228, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 228, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 228, 197);  
box-shadow:4px 4px 4px 4px rgb(187, 228,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.3150, 70.0828, 63.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 197) }
```

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

```
.background{ background-color: rgb(187,  
228, 197) }
```

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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