

# Converting Colors

XYZ(51.5111, 63.8898, 57.1940)

Have a look what the booklet for  
XYZ(51.5111, 63.8898, 57.1940)  
contains.

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# Color

**XYZ(51.5111, 63.8898,  
57.1940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AADDBC
RGB	170, 221, 188
RGB Percent	67%, 87%, 74%
CMY	0.3333, 0.1333, 0.2627
CMYK	0.23, 0.00, 0.15, 0.13
HSL	141°, 43%, 77%
HSV	141°, 23%, 87%
XYZ	51.5111, 63.8898, 57.1940
YIQ	201.9890, -19.8030, -21.0750

# Conversions

## Conversions Part 2

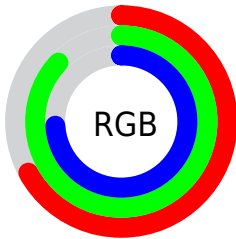
Format	Color
<b>RYB</b>	170, 208, 221
Decimal	11197884
CIELab	83.91, -22.99, 10.88
CIELCh	84, 25.433, 154.662
Yxy	63.8898, 0.2985, 0.3702
Android (android.graphics.Color)	4289387964 (0xFFAADD8C)
YUV	201.9890, -6.8966, -28.0544
Hunter-Lab	79.9311, -24.8462, 13.5273

# Details

The XYZ color **51.5111, 63.8898, 57.1940** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.9752, 48.4349, 62.9540**, and the grayscale version is **56.1841, 59.1100, 64.3708**.

A 20% lighter version of the original color is **83.4532, 94.2204, 99.3759**, and **25.3455, 32.8036, 27.9176** is the 20% darker color. If you saturate the color by 10%, you get **45.6634, 61.0464, 49.2682**, and if you desaturate by 10%, it is **58.3182, 67.2137, 65.9649**.

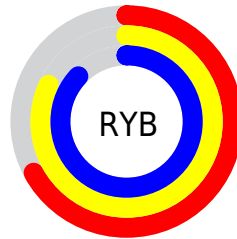
# Distribution



Red (67%)

Green (87%)

Blue (74%)



Red (67%)

Yellow (82%)

Blue (87%)

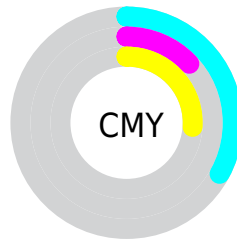


Cyan (23%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (33%)

Magenta (13%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5111, 63.8898, 57.1940 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 51.5111, 63.8898, 57.1940 by changing the saturation by 10% instead.



■ 51.5111, 63.8898,  
57.1940

■ 51.5111, 63.8898,  
57.1940

382.9013,  
438.7916, 431.6899

■ 36.8382, 46.5614,  
40.7506

■ 91.5883, 110.4522,  
102.2513

■ 25.2554, 32.6891,  
27.8060

117.7234,  
140.4550, 131.7024

■ 16.3972, 21.8884,  
17.9417

148.4099,  
175.4515, 166.3264

■ 9.8982, 13.7749,  
10.7392

184.0131,  
215.8259, 206.5419

■ 5.3933, 7.9643,  
5.7798

224.8986,  
261.9628, 252.7675

■ 2.5169, 4.0721,  
2.6450

271.4315,

■ 0.9038, 1.7140,

314.2464, 305.4217

0.9156

323.9773,  
373.0612, 364.9230

0.0000, 0.4327,  
0.0000

0.0000, 0.0000,  
0.0000

51.5111, 63.8898,  
57.1940

51.5111, 63.8898,  
57.1940

45.6634, 61.0464,  
49.2682

58.3182, 67.2137,  
65.9649

40.7253, 58.6530,  
42.1581

66.1211, 71.0311,  
75.6007

36.6504, 56.6879,  
35.8386

74.9606, 75.3642,  
86.1259

33.3858, 55.1245,  
30.2819

83.6103, 79.5804,  
97.5037

■ 30.8725, 53.9331,  
25.4584

■ 85.1477, 80.1953,  
105.5992

■ 29.0431, 53.0793,  
21.3365

■ 27.8168, 52.5223,  
17.8819

■ 27.2328, 52.2654,  
15.8603

# Harmonies

## Analogous

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



54.8095, 63.8898, 47.1739



51.5111, 63.8898, 57.1940



50.6207, 63.8898, 72.0997

# Triad

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



51.5111, 63.8898, 57.1940



61.6040, 63.8898, 105.0175



70.0118, 63.8898, 53.4710

# Complementary

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



51.5111, 63.8898, 57.1940



54.9752, 48.4349, 62.9540

# 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.



72.0924, 63.8898, 67.0907



51.5111, 63.8898, 57.1940



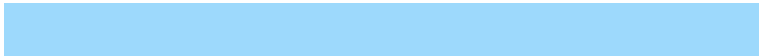
67.0522, 63.8898, 98.1122

# Square

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



51.5111, 63.8898, 57.1940



56.2363, 63.8898, 101.2956



70.9777, 63.8898, 83.6027



65.4472, 63.8898, 45.2671



# Rectangle

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



51.5111, 63.8898, 57.1940



51.4630, 63.8898, 83.2307



70.9777, 63.8898, 83.6027



71.0372, 63.8898, 57.4838

# Sweetspot

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



51.5128, 63.8925, 57.1954



86.9808, 96.0486, 99.1054



57.7839, 67.3358, 47.9825



18.4757, 20.4890, 21.0380



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

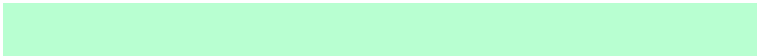


# Same Dimension

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



51.5128, 63.8925, 57.1954



66.9152, 86.2545, 73.3131



54.4908, 65.0837, 72.8772



13.0754, 14.6818, 14.8598



15.8680, 30.3798, 9.4704



1.0681, 1.9842, 0.8247



# Inverse Universe

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



54.9752, 48.4349, 62.9540



72.5525, 61.0770, 82.6817



52.1962, 47.3233, 48.3197



13.4091, 13.1927, 15.4155



20.2581, 10.1043, 16.2711

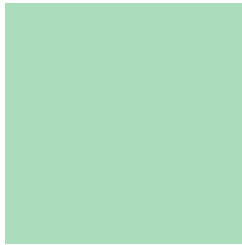


1.3528, 0.6707, 1.2665



# Previews

## White Background



This preview shows how the XYZ color 51.5111, 63.8898, 57.1940 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 51.5111, 63.8898, 57.1940 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

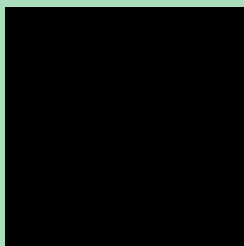
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

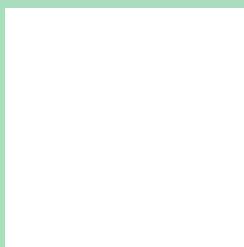
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 51.5111, 63.8898, 57.1940

## Background



This preview shows how black text looks on a background with the XYZ color 51.5111, 63.8898, 57.1940.



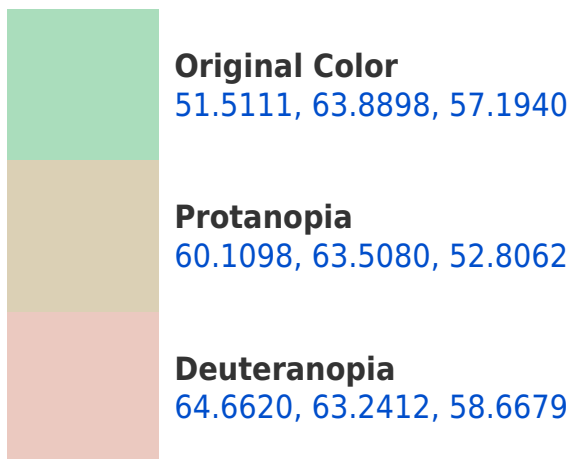
This preview shows how white text looks on a background with the XYZ color 51.5111, 63.8898,



# 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





## Tritanopia

57.2260, 63.8921, 85.6602

# Trichromacy



## Original Color

51.5111, 63.8898, 57.1940

## Protanomaly

56.5334, 63.4667, 54.6181

## Deuteranomaly

58.8238, 62.7222, 58.2965

## Tritanomaly

54.8867, 63.6975, 74.3678

# Monochromacy



## Original Color

51.5111, 63.8898, 57.1940

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

54.1137, 60.5793, 61.6642

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.5111, 63.8898, 57.1940 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(170, 221, 188)` looks like.

```
.text, #text, p{  
    color:rgb(170, 221, 188)  
}
```

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(170, 221, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 221, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 51.5111, 63.8898, 57.1940 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(170, 221, 188) }
```



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

```
.border{ border-color:rgb(170, 221, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 221, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 221, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 221, 188);  
box-shadow:4px 4px 4px 4px rgb(170, 221,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.5111, 63.8898, 57.1940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 221, 188) }
```

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

```
.background{ background-color: rgb(170,  
221, 188) }
```

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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