

# Converting Colors

CIELCh(56, 27.105, 21.758)

Have a look what the booklet for  
CIELCh(56, 27.105, 21.758) contains.

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# Color

**CIELCh(56, 27.171, 21.391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B57576
RGB	181, 117, 118
RGB Percent	71%, 46%, 46%
CMY	0.2896, 0.5406, 0.5367
CMYK	0.00, 0.35, 0.35, 0.29
HSL	359°, 30%, 58%
HSV	359°, 35%, 71%
XYZ	28.7518, 23.9124, 20.2855
YIQ	136.2500, 37.8230, 13.8790

# Conversions

## Conversions Part 2

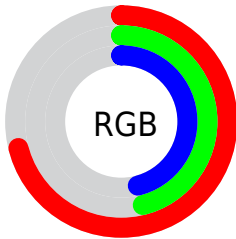
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	181, 117, 118
Decimal	11892086
CIE Lab	56.00, 25.30, 9.91
CIE LCh	56, 27.171, 21.391
Yxy	23.9124, 0.3941, 0.3278
Android (android.graphics.Color)	4290082166 (0xFFB57576)
YUV	136.2500, -8.9972, 39.2458
Hunter-Lab	48.9003, 19.3767, 9.6347

# Details

The CIELCh color **56, 27.171, 21.391** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **70, 21.451, 196.235**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 26.896, 21.761**, and **36, 26.972, 21.489** is the 20% darker color. If you saturate the color by 10%, you get **51, 35.983, 23.010**, and if you desaturate by 10%, it is **61, 18.802, 20.145**.

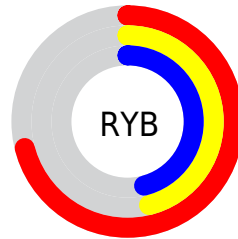
# Distribution



Red (71%)

Green (46%)

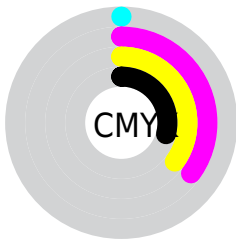
Blue (46%)



Red (71%)

Yellow (46%)

Blue (46%)

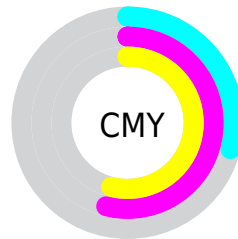


Cyan (0%)

Magenta (35%)

Yellow (35%)

Black (29%)



Cyan (29%)

Magenta (54%)

Yellow (54%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 27.171, 21.391 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 CIELCh color 56, 27.171, 21.391 by changing the saturation by 10% instead.



 56, 27.171, 21.391

 56, 27.171, 21.391

 100, 27.171,  
21.391

 46, 27.171, 21.391

 76, 27.171, 21.391

 36, 27.171, 21.391

 86, 27.171, 21.391

 26, 27.171, 21.391


 96, 27.171, 21.391

 16, 27.171, 21.391

 6, 27.171, 21.391

 0, 27.171, 21.391

 56, 27.171, 21.391

 56, 27.171, 21.391

 51, 35.983, 23.010

 61, 18.802, 20.145

 47, 45.085, 25.100

 66, 10.962, 19.162

■ 44, 54.231, 27.766

■ 71, 3.670, 18.315

■ 41, 63.100, 31.042

■ 76, 3.090, 198.021

■ 39, 71.229, 34.723

■ 81, 9.358, 197.430

■ 38, 77.678, 38.086

■ 87, 15.180,  
197.019

■ 38, 80.181, 39.348

■ 92, 20.606,  
196.689

■ 95, 23.657,  
197.959

# Harmonies

# Complementary

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



56, 27.171, 21.391



70, 21.451, 196.235

# Rectangle

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



56, 27.171, 21.391



56, 27.171, 71.391



56, 27.171, 201.391



56, 27.171, 251.391

# Sweetspot

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



56, 27.169, 21.395



86, 9.551, 18.809



58, 42.421, 325.839



45, 6.445, 18.920



96, 0.011, 296.813



49, 0.007, 296.813



# Same Dimension

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



56, 27.169, 21.395



67, 40.808, 22.543



64, 22.472, 69.337



36, 4.003, 18.658



32, 71.278, 38.978



2, 10.642, 18.460





# Inverse Universe

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



56, 27.169, 21.395



67, 40.808, 22.543



61, 20.154, 259.282



36, 4.003, 18.658



32, 71.278, 38.978

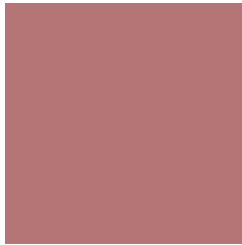


2, 10.642, 18.460



# Previews

## White Background



This preview shows how the CIELCh color 56, 27.171, 21.391 looks on a white background.

## Color Contrast Check

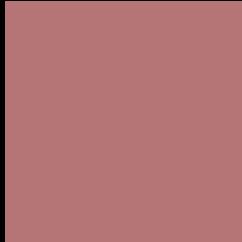
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIELCh color 56, 27.171, 21.391 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 × Fail

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

# CIELCh 56, 27.171, 21.391

## Background



This preview shows how black text looks on a background with the CIELCh color 56, 27.171, 21.391.



This preview shows how white text looks on a background with the CIELCh color 56, 27.171, 21.391.

# 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

56, 27.171, 21.391

### Protanopia

56, 4.459, 82.766

### Deuteranopia

56, 12.974, 57.850



**Tritanopia**  
56, 27.807, 12.341



# Trichromacy



**Original Color**  
56, 27.171, 21.391

**Protanomaly**  
56, 11.012, 32.355

**Deuteranomaly**  
56, 17.255, 36.232

**Tritanomaly**  
56, 27.801, 14.658

# Monochromacy



**Original Color**  
56, 27.171, 21.391

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
56, 9.359, 16.897

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 56, 27.171, 21.391 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(181, 117, 118)` looks like.

```
.text, #text, p{  
    color:rgb(181, 117, 118)  
}
```

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(181, 117, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 117, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 56, 27.171, 21.391 is called "border". The border property can be set on classes, ids or directly on the HTML element.

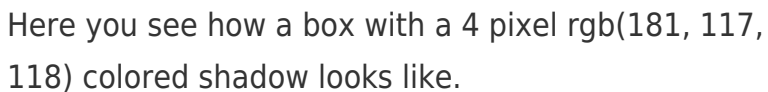
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 117, 118) }
```

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

```
.border{ border-color:rgb(181, 117, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 117, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 117, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 117, 118);  
box-shadow:4px 4px 4px 4px rgb(181, 117,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 56, 27.171, 21.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 117, 118) }
```

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

```
.background{ background-color: rgb(181,  
117, 118) }
```

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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