

# Converting Colors

CIELCh(57, 21.752, 294.248)

Have a look what the booklet for  
CIELCh(57, 21.752, 294.248)  
contains.

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# Color

**CIELCh(57, 21.751, 294.527)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8785AB
RGB	135, 133, 171
RGB Percent	53%, 52%, 67%
CMY	0.4700, 0.4779, 0.3288
CMYK	0.21, 0.22, 0.00, 0.33
HSL	243°, 18%, 60%
HSV	243°, 22%, 67%
XYZ	25.7866, 24.9227, 42.0538
YIQ	137.9300, -11.0060, 12.2420

# Conversions

## Conversions Part 2

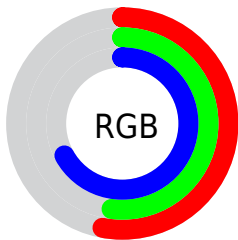
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 133, 171
Decimal	8881579
CIE Lab	57.00, 9.03, -19.79
CIE LCh	57, 21.751, 294.527
Yxy	24.9227, 0.2780, 0.2687
Android (android.graphics.Color)	4287071659 (0xFF8785AB)
YUV	137.9300, 16.3035, -2.5696
Hunter-Lab	49.9226, 4.8363, -14.9988

# Details

The CIELCh color  $57, 21.751, 294.527$  is a dark color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $69, 20.672, 110.314$ , and the grayscale version is  $57, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 21.567, 294.841$ , and  $37, 21.667, 294.521$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 32.201, 295.836$ , and if you desaturate by 10%, it is  $63, 11.719, 293.404$ .

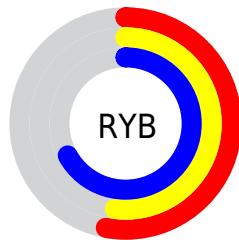
# Distribution



Red (53%)

Green (52%)

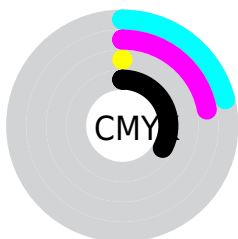
Blue (67%)



Red (53%)

Yellow (52%)

Blue (67%)

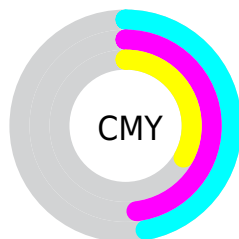


Cyan (21%)

Magenta (22%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (48%)


Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 21.751, 294.527 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 57, 21.751, 294.527 by changing the saturation by 10% instead.





 57, 21.751,  
294.527


 57, 21.751,  
294.527


 100, 21.751,  
294.527


 47, 21.751,  
294.527


 77, 21.751,  
294.527

 37, 21.751,  
294.527

 87, 21.751,  
294.527

 27, 21.751,  
294.527

 97, 21.751,  
294.527

 17, 21.751,  
294.527

 7, 21.751, 294.527

 0, 21.751, 294.527

57, 21.751,  
294.527

57, 21.751,  
294.527

51, 32.201,  
295.836

63, 11.719,  
293.404

45, 43.081,  
297.349

69, 2.083, 292.460

40, 54.351,  
299.062

75, 7.184, 111.617

34, 65.846,  
300.930

80, 16.110,  
110.921

29, 77.133,  
302.832

86, 24.719,  
110.322

25, 87.298,  
304.548

92, 33.033,  
109.807

22, 94.913,  
305.779

97, 41.070,  
109.363

20, 98.975,

98, 41.975,  
106.973

306.458

# Harmonies

# Complementary

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



57, 21.751, 294.527



69, 20.672, 110.314

# Rectangle

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



57, 21.751, 294.527



57, 21.751, 344.527



57, 21.751, 114.527



57, 21.751, 164.527

# Sweetspot

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



57, 21.750, 294.526



83, 8.221, 292.900



67, 12.809, 203.099



44, 5.390, 292.954



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



57, 21.750, 294.526



69, 33.015, 295.192



59, 22.995, 311.775



34, 5.463, 293.112



17, 89.979, 306.486



1, 11.357, 291.868



# Inverse Universe

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



60, 24.788, 327.105



74, 37.205, 327.398



68, 22.393, 129.821



34, 6.359, 326.374



35, 74.858, 330.406



2, 13.147, 326.573



# Previews

## White Background



This preview shows how the CIELCh color 57, 21.751, 294.527 looks on a white background.

## Color Contrast Check

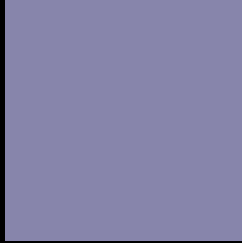
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 21.751, 294.527 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

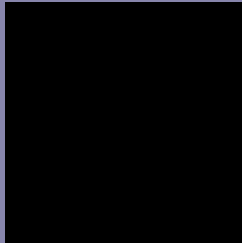
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 21.751, 294.527

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 21.751, 294.527.



This preview shows how white text looks on a background with the CIELCh color 57, 21.751, 294.527.

# 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

57, 21.751, 294.527

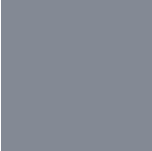
### Protanopia

57, 21.791, 285.452

### Deuteranopia

57, 21.134, 290.728





**Tritanopia**  
57, 6.624, 271.049

# Trichromacy



**Original Color**  
57, 21.751, 294.527

**Protanomaly**  
57, 21.722, 289.035

**Deuteranomaly**  
57, 21.131, 291.668

**Tritanomaly**  
57, 11.446, 285.990

# Monochromacy



**Original Color**  
57, 21.751, 294.527

**Achromatopsia**  
57, 0.007, 296.813

**Achromatomaly**  
57, 8.006, 293.813

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 21.751, 294.527 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(135, 133, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 171)  
}
```

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(135, 133, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 21.751, 294.527 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(135, 133, 171) }
```

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

```
.border{ border-color:rgb(135, 133, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 133, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 133, 171); box-shadow:4px 4px 4px 4px rgb(135, 133, 171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 21.751, 294.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 171) }
```

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

```
.background{ background-color: rgb(135,  
133, 171) }
```

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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