

# Converting Colors

CIELCh(57, 31.905, 311.123)

Have a look what the booklet for  
CIELCh(57, 31.905, 311.123)  
contains.

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**Color**

**CIELCh(57, 31.849, 310.801)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	997EB3
RGB	153, 126, 179
RGB Percent	60%, 49%, 70%
CMY	0.4003, 0.5061, 0.2983
CMYK	0.15, 0.30, 0.00, 0.30
HSL	271°, 26%, 60%
HSV	271°, 30%, 70%
XYZ	28.7062, 24.9227, 45.9086
YIQ	140.1150, -0.9210, 22.2070

# Conversions

## Conversions Part 2

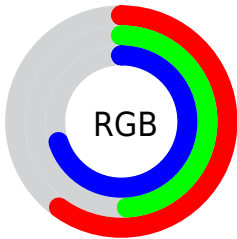
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 126, 179
Decimal	10059443
CIELab	57.00, 20.81, -24.11
CIELCh	57, 31.849, 310.801
Yxy	24.9227, 0.2884, 0.2504
Android (android.graphics.Color)	4288249523 (0xFF997EB3)
YUV	140.1150, 19.1703, 11.3001
Hunter-Lab	49.9226, 15.2754, -19.5770

# Details

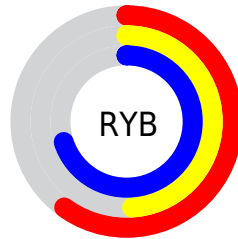
The CIELCh color **57, 31.849, 310.801** is a light color, and the websafe version is hex **996699**. A complement of this color would be **70, 30.600, 128.043**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 31.825, 310.806**, and **37, 31.576, 310.595** is the 20% darker color. If you saturate the color by 10%, you get **52, 43.020, 311.329**, and if you desaturate by 10%, it is **62, 20.837, 310.289**.

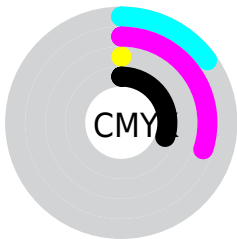
# Distribution



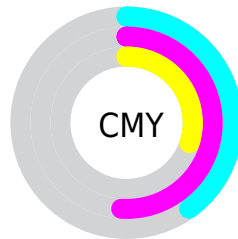
- Red (60%)
- Green (49%)
- Blue (70%)



- Red (60%)
- Yellow (49%)
- Blue (70%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)




- Cyan (40%)
- Magenta (51%)
- Yellow (30%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 31.849, 310.801 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, 31.849, 310.801 by changing the saturation by 10% instead.





 57, 31.849,  
310.801


 57, 31.849,  
310.801


 100, 31.849,  
310.801


 47, 31.849,  
310.801


 77, 31.849,  
310.801

 37, 31.849,  
310.801

 87, 31.849,  
310.801

 27, 31.849,  
310.801

 97, 31.849,  
310.801

 17, 31.849,  
310.801

 7, 31.849, 310.801

 0, 31.849, 310.801

57, 31.849,  
310.801

57, 31.849,  
310.801

52, 43.020,  
311.329

62, 20.837,  
310.289

47, 54.191,  
311.849

68, 10.077,  
309.807

42, 65.079,  
312.317

73, 0.387, 129.669

37, 75.243,  
312.668

79, 10.540,  
128.997

34, 84.053,  
312.813

84, 20.380,  
128.641

30, 90.768,  
312.641

89, 29.915,  
128.328


28, 95.266,  
312.156

95, 39.157,  
128.054

28, 95.435,

96, 40.194,  
124.678

312.139

 97, 39.268,  
120.180

# Harmonies

# Complementary

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



57, 31.849, 310.801



70, 30.600, 128.043

# Rectangle

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



57, 31.849, 310.801



57, 31.849, 0.801



57, 31.849, 130.801



57, 31.849, 180.801

# Sweetspot

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



57, 31.847, 310.801



86, 11.644, 309.785



62, 17.085, 259.988



45, 8.172, 309.853



96, 0.011, 296.813



49, 0.007, 296.813





# Same Dimension

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



57, 31.847, 310.801



68, 48.166, 311.170



60, 35.473, 326.026



35, 5.921, 309.793



23, 84.920, 312.279



1, 13.862, 305.542



# Inverse Universe

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



59, 25.214, 346.901



71, 37.902, 347.711



68, 35.476, 142.408



35, 4.726, 344.888



32, 57.860, 2.194

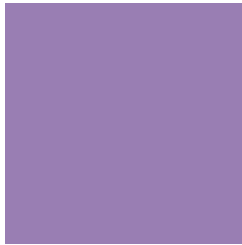


2, 10.549, 350.386



# Previews

## White Background



This preview shows how the CIELCh color 57, 31.849, 310.801 looks on a white background.

## Color Contrast Check

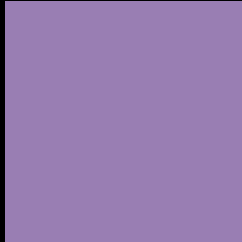
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.849, 310.801 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

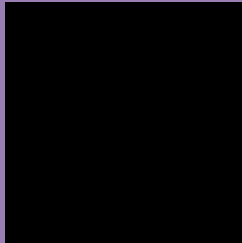
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 31.849, 310.801

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 31.849, 310.801.



This preview shows how white text looks on a background with the CIELCh color 57, 31.849, 310.801.

# 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, 31.849, 310.801

**Protanopia**  
57, 29.249, 285.220

**Deuteranopia**  
57, 23.992, 288.052





**Tritanopia**  
57, 7.933, 334.305

# Trichromacy



**Original Color**  
57, 31.849, 310.801

**Protanomaly**  
57, 29.155, 294.157

**Deuteranomaly**  
57, 26.411, 297.652

**Tritanomaly**  
57, 16.566, 317.386

# Monochromacy



**Original Color**  
57, 31.849, 310.801

**Achromatopsia**  
58, 0.007, 296.813

**Achromatomaly**  
58, 11.520, 310.506

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 31.849, 310.801 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(153, 126, 179)` looks like.

```
.text, #text, p{  
    color:rgb(153, 126, 179)  
}
```

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(153, 126, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 126, 179) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 31.849, 310.801 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(153, 126, 179) }
```

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

```
.border{ border-color:rgb(153, 126, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 126, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 126, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 126, 179);  
box-shadow:4px 4px 4px 4px rgb(153, 126,  
179) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 31.849, 310.801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 126, 179) }
```

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

```
.background{ background-color: rgb(153,  
126, 179) }
```

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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