

# Converting Colors

CIELCh(57, 49.406, 321.745)

Have a look what the booklet for  
CIELCh(57, 49.406, 321.745)  
contains.

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**Color**

**CIELCh(57, 49.310, 321.605)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B271BF
RGB	178, 113, 191
RGB Percent	70%, 44%, 75%
CMY	0.3032, 0.5580, 0.2522
CMYK	0.07, 0.41, 0.00, 0.25
HSL	290°, 38%, 59%
HSV	290°, 41%, 75%
XYZ	33.5325, 24.9227, 52.1566
YIQ	141.3270, 13.7020, 38.0380

# Conversions

## Conversions Part 2

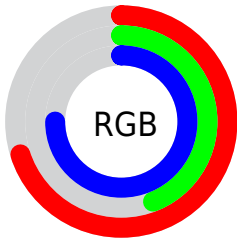
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 113, 191
Decimal	11694527
CIE <sub>Lab</sub>	57.00, 38.65, -30.63
CIE <sub>LCh</sub>	57, 49.310, 321.605
Yxy	24.9227, 0.3032, 0.2253
Android (android.graphics.Color)	4289884607 (0xFFB271BF)
YUV	141.3270, 24.4888, 32.1622
Hunter-Lab	49.9226, 32.5320, -26.9973

# Details

The CIELCh color  $57, 49.310, 321.605$  is a light color, and the websafe version is hex `9966CC`. A complement of this color would be  $71, 48.650, 137.411$ , and the grayscale version is  $59, 0.007, 296.813$ .

A 20% lighter version of the original color is  $77, 49.576, 321.551$ , and  $37, 49.023, 321.751$  is the 20% darker color. If you saturate the color by 10%, you get  $53, 60.735, 321.972$ , and if you desaturate by 10%, it is  $62, 37.353, 321.184$ .

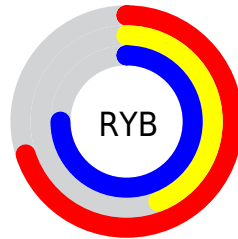
# Distribution



Red (70%)

Green (44%)

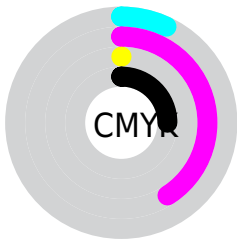
Blue (75%)



Red (70%)

Yellow (44%)

Blue (75%)

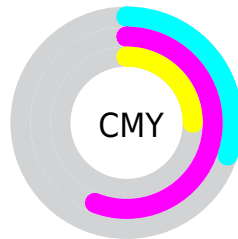


Cyan (7%)

Magenta (41%)

Yellow (0%)

Black (25%)



Cyan (30%)

Magenta (56%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 49.310, 321.605 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, 49.310, 321.605 by changing the saturation by 10% instead.



 57, 49.310,  
321.605

 57, 49.310,  
321.605

 100, 49.310,  
321.605

 47, 49.310,  
321.605

 77, 49.310,  
321.605

 37, 49.310,  
321.605

 87, 49.310,  
321.605

 27, 49.310,  
321.605

 97, 49.310,  
321.605

 17, 49.310,  
321.605

 7, 49.310, 321.605

 0, 49.310, 321.605

57, 49.310,  
321.605

57, 49.310,  
321.605

53, 60.735,  
321.972

62, 37.353,  
321.184

49, 71.203,  
322.253

67, 25.191,  
320.734

45, 80.197,  
322.412

72, 13.047,  
320.271

43, 87.190,  
322.407

77, 1.066, 319.641

41, 91.800,  
322.207

82, 10.664,  
139.423

40, 94.221,  
321.875

87, 22.092,  
138.999

93, 33.196,  
138.609

95, 37.888,  
137.694

■ 95, 37.311,  
136.267

# Harmonies

# Complementary

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



57, 49.310, 321.605



71, 48.650, 137.411

# Rectangle

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



57, 49.310, 321.605



57, 49.310, 11.605



57, 49.310, 141.605



57, 49.310, 191.605

# Sweetspot

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



57, 49.308, 321.605



90, 17.774, 320.332



54, 36.737, 287.592



47, 11.898, 320.394



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



57, 49.308, 321.605



68, 72.349, 321.935



58, 41.271, 338.095



37, 6.723, 320.198



33, 81.990, 321.959



3, 19.837, 318.169



# Inverse Universe

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



56, 32.934, 10.839



67, 49.386, 12.619



71, 40.737, 151.361



37, 4.189, 6.596



33, 66.029, 31.160



3, 12.450, 9.893



# Previews

## White Background



This preview shows how the CIELCh color 57, 49.310, 321.605 looks on a white background.

## Color Contrast Check

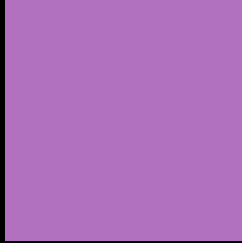
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.310, 321.605 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

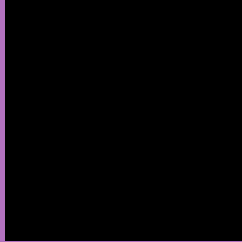
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 57, 49.310, 321.605

## Background



This preview shows how black text looks on a background with the CIELCh color 57, 49.310, 321.605.

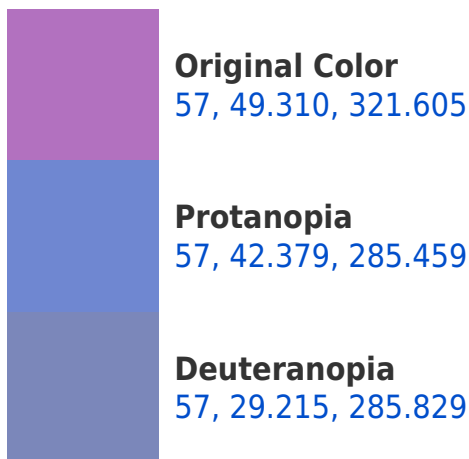


This preview shows how white text looks on a background with the CIELCh color 57, 49.310, 321.605.


# 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, 18.939, 6.041

# Trichromacy



**Original Color**  
57, 49.310, 321.605

**Protanomaly**  
57, 43.007, 298.289

**Deuteranomaly**  
57, 35.416, 302.770

**Tritanomaly**  
57, 27.644, 338.483

# Monochromacy



**Original Color**  
57, 49.310, 321.605

**Achromatopsia**  
59, 0.008, 296.813

**Achromatomaly**  
58, 18.217, 320.217

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 57, 49.310, 321.605 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(178, 113, 191)` looks like.

```
.text, #text, p{  
    color:rgb(178, 113, 191)  
}
```

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(178, 113, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 113, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 57, 49.310, 321.605 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(178, 113, 191) }
```

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

```
.border{ border-color:rgb(178, 113, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 113, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 113, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 113, 191);  
box-shadow:4px 4px 4px 4px rgb(178, 113,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 57, 49.310, 321.605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 113, 191) }
```

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

```
.background{ background-color: rgb(178,  
113, 191) }
```

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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