

# Converting Colors

CIELCh(49, 30.744, 322.663)

Have a look what the booklet for  
CIELCh(49, 30.744, 322.663)  
contains.

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**Color**

**CIELCh(49, 30.306, 322.809)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F6794
RGB	143, 103, 148
RGB Percent	56%, 40%, 58%
CMY	0.4403, 0.5971, 0.4207
CMYK	0.03, 0.30, 0.00, 0.42
HSL	293°, 18%, 49%
HSV	293°, 30%, 58%
XYZ	21.4288, 17.5941, 30.1706
YIQ	120.0900, 9.3950, 22.4750

# Conversions

## Conversions Part 2

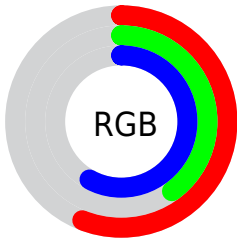
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 103, 148
Decimal	9398164
CIE <sub>Lab</sub>	49.00, 24.14, -18.32
CIE <sub>LCh</sub>	49, 30.306, 322.809
Yxy	17.5941, 0.3097, 0.2543
Android (android.graphics.Color)	4287588244 (0xFF8F6794)
YUV	120.0900, 13.7596, 20.0921
Hunter-Lab	41.9453, 17.7871, -13.2848

# Details

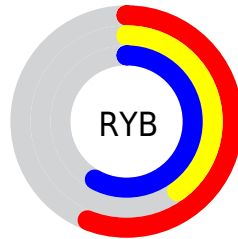
The CIELCh color  $49, 30.306, 322.809$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 30.102, 139.645$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $69, 29.905, 322.645$ , and  $29, 30.312, 323.046$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 40.095, 323.245$ , and if you desaturate by 10%, it is  $53, 20.319, 322.346$ .

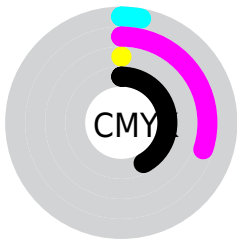
# Distribution



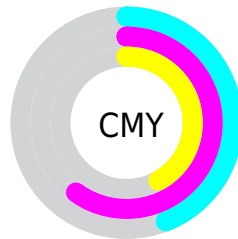
- Red (56%)
- Green (40%)
- Blue (58%)



- Red (56%)
- Yellow (40%)
- Blue (58%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (42%)




- Cyan (44%)
- Magenta (60%)
- Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 30.306, 322.809 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 49, 30.306, 322.809 by changing the saturation by 10% instead.





 49, 30.306,  
322.809


 49, 30.306,  
322.809


 100, 30.306,  
322.809


 39, 30.306,  
322.809

 69, 30.306,  
322.809


 29, 30.306,  
322.809

 79, 30.306,  
322.809

 19, 30.306,  
322.809

 89, 30.306,  
322.809

 9, 30.306, 322.809

 99, 30.306,  
322.809

 0, 30.306, 322.809

 49, 30.306,

 49, 30.306,

322.809

45, 40.095,  
323.245

42, 49.433,  
323.633

39, 57.981,  
323.948

36, 65.348,  
324.162

34, 71.143,  
324.246

33, 75.081,  
324.179

32, 77.516,  
324.008

322.809

53, 20.319,  
322.346

57, 10.325,  
321.868

61, 0.447, 321.007

65, 9.237, 140.988

69, 18.680,  
140.544

74, 27.860,  
140.129

78, 36.769,  
139.742

82, 45.408,  
139.381

■ 87, 53.785,  
139.048

# Harmonies

# Complementary

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



49, 30.306, 322.809



57, 30.102, 139.645

# Rectangle

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



49, 30.306, 322.809



49, 30.306, 12.809



49, 30.306, 142.809



49, 30.306, 192.809

# Sweetspot

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



49, 30.304, 322.809



73, 10.967, 321.806



47, 23.592, 288.918



38, 7.688, 321.872



89, 0.011, 296.813



41, 0.006, 296.813





# Same Dimension

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



49, 30.304, 322.809



59, 45.350, 323.131



49, 24.014, 340.244



29, 5.582, 321.807



29, 73.642, 324.034



1, 4.850, 321.396



# Inverse Universe

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



48, 19.360, 13.327



58, 29.595, 14.407



57, 23.564, 155.326



29, 3.374, 10.928



28, 61.470, 34.059

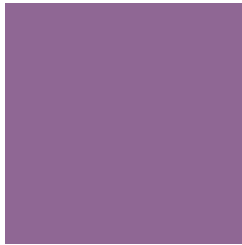


1, 2.871, 10.241



# Previews

## White Background



This preview shows how the CIELCh color 49, 30.306, 322.809 looks on a white background.

## Color Contrast Check

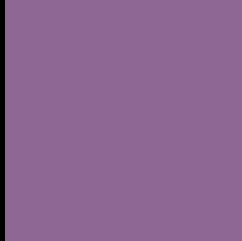
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 49, 30.306, 322.809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

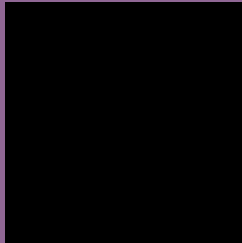
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 49, 30.306, 322.809

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 30.306, 322.809.



This preview shows how white text looks on a background with the CIELCh color 49, 30.306, 322.809.

# 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

49, 30.306, 322.809


### Protanopia

49, 24.780, 285.513

### Deuteranopia

49, 18.814, 291.521





**Tritanopia**  
49, 12.840, 359.729

# Trichromacy



**Original Color**  
49, 30.306, 322.809

**Protanomaly**  
49, 25.526, 299.739

**Deuteranomaly**  
49, 22.468, 306.107

**Tritanomaly**  
49, 18.006, 338.711

# Monochromacy



**Original Color**  
49, 30.306, 322.809

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 10.922, 321.549

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 30.306, 322.809 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(143, 103, 148)` looks like.

```
.text, #text, p{  
    color:rgb(143, 103, 148)  
}
```

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(143, 103, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 103, 148) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 30.306, 322.809 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(143, 103, 148) }
```

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

```
.border{ border-color:rgb(143, 103, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 103, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 103, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 103, 148);  
box-shadow:4px 4px 4px 4px rgb(143, 103,  
148) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 30.306, 322.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 103, 148) }
```

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

```
.background{ background-color: rgb(143,  
103, 148) }
```

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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