

# Converting Colors

CIELCh(49, 26.830, 313.707)

Have a look what the booklet for  
CIELCh(49, 26.830, 313.707)  
contains.

<b>CIELCh(49, 26.451, 313.534)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(49, 26.451, 313.534)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	846B95
RGB	132, 107, 149
RGB Percent	52%, 42%, 58%
CMY	0.4823, 0.5803, 0.4156
CMYK	0.11, 0.28, 0.00, 0.42
HSL	276°, 17%, 50%
HSV	276°, 28%, 58%
XYZ	20.2017, 17.5941, 30.7694
YIQ	119.2630, 1.4180, 18.3620

# Conversions

## Conversions Part 2

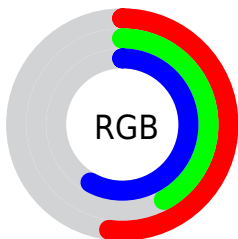
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 107, 149
Decimal	8678293
CIE <sub>Lab</sub>	49.00, 18.22, -19.18
CIE <sub>LCh</sub>	49, 26.451, 313.534
Yxy	17.5941, 0.2946, 0.2566
Android (android.graphics.Color)	4286868373 (0xFF846B95)
YUV	119.2630, 14.6603, 11.1703
Hunter-Lab	41.9453, 12.5649, -14.1311

# Details

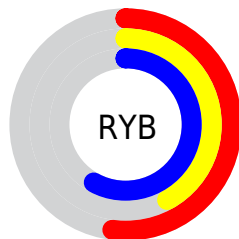
The CIELCh color  $49, 26.451, 313.534$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $59, 25.678, 131.083$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $69, 25.992, 313.118$ , and  $29, 26.649, 313.809$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 36.101, 313.990$ , and if you desaturate by 10%, it is  $53, 16.891, 313.081$ .

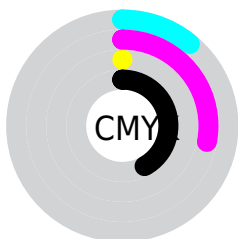
# Distribution



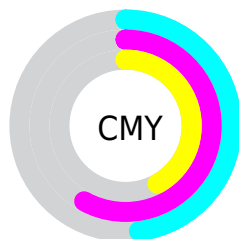
- Red (52%)
- Green (42%)
- Blue (58%)



- Red (52%)
- Yellow (42%)
- Blue (58%)



- Cyan (11%)
- Magenta (28%)
- Yellow (0%)
- Black (42%)




- Cyan (48%)
- Magenta (58%)
- Yellow (42%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 26.451, 313.534 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, 26.451, 313.534 by changing the saturation by 10% instead.




 49, 26.451,  
313.534

 49, 26.451,  
313.534


 100, 26.451,  
313.534

 39, 26.451,  
313.534

 69, 26.451,  
313.534


 29, 26.451,  
313.534

 79, 26.451,  
313.534

 19, 26.451,  
313.534

 89, 26.451,  
313.534

 9, 26.451, 313.534

 99, 26.451,  
313.534

 0, 26.451, 313.534

 49, 26.451,

 49, 26.451,

313.534

45, 36.101,  
313.990

40, 45.697,  
314.425

36, 54.998,  
314.804

33, 63.649,  
315.072

30, 71.168,  
315.159

27, 77.009,  
314.982

25, 81.063,  
314.534

25, 81.789,  
314.463

313.534

53, 16.891,  
313.081

58, 7.514, 312.641

63, 1.635, 132.328


67, 10.533,  
131.896

72, 19.172,  
131.556

76, 27.556,  
131.253

81, 35.691,  
130.983

85, 43.588,  
130.745

 90, 51.258,  
130.535

# Harmonies

# Complementary

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



49, 26.451, 313.534



59, 25.678, 131.083

# Rectangle

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



49, 26.451, 313.534



49, 26.451, 3.534



49, 26.451, 133.534



49, 26.451, 183.534

# Sweetspot

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



49, 26.449, 313.534



74, 9.099, 312.640



52, 15.324, 268.156



38, 6.458, 312.701



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, 26.449, 313.534



59, 39.739, 313.831



51, 27.503, 328.345



29, 5.160, 312.685



22, 77.172, 314.540



1, 4.466, 312.322



# Inverse Universe

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



50, 19.671, 351.894



61, 29.530, 352.705



58, 27.477, 144.844



29, 3.827, 349.875



29, 53.491, 9.845

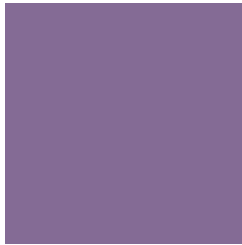


1, 3.301, 349.119



# Previews

## White Background



This preview shows how the CIELCh color 49, 26.451, 313.534 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 CIE LCh color 49, 26.451, 313.534 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

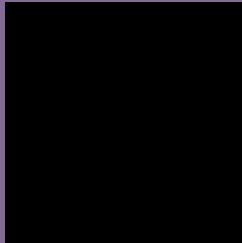
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 49, 26.451, 313.534

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 26.451, 313.534.



This preview shows how white text looks on a background with the CIELCh color 49, 26.451, 313.534.

# 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, 26.451, 313.534


### Protanopia

49, 23.592, 285.719

### Deuteranopia

49, 19.987, 290.723





**Tritanopia**  
49, 8.372, 341.352

# Trichromacy



**Original Color**  
49, 26.451, 313.534

**Protanomaly**  
49, 24.181, 295.769

**Deuteranomaly**  
49, 22.049, 300.496

**Tritanomaly**  
49, 14.471, 322.590

# Monochromacy



**Original Color**  
49, 26.451, 313.534

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 9.520, 312.939

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 26.451, 313.534 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(132, 107, 149)` looks like.

```
.text, #text, p{  
    color:rgb(132, 107, 149)  
}
```

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(132, 107, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 107, 149) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 26.451, 313.534 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(132, 107, 149) }
```

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

```
.border{ border-color:rgb(132, 107, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 107, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 107, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 107, 149);  
box-shadow:4px 4px 4px 4px rgb(132, 107,  
149) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 26.451, 313.534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 107, 149) }
```

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

```
.background{ background-color: rgb(132,  
107, 149) }
```

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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