

# Converting Colors

CIELCh(49, 18.483, 324.924)

Have a look what the booklet for  
CIELCh(49, 18.483, 324.924)  
contains.

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**Color**

**CIELCh(49, 18.848, 324.451)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	866C87
RGB	134, 108, 135
RGB Percent	53%, 42%, 53%
CMY	0.4739, 0.5758, 0.4699
CMYK	0.01, 0.20, 0.00, 0.47
HSL	298°, 11%, 48%
HSV	298°, 20%, 53%
XYZ	19.6216, 17.5941, 25.3439
YIQ	118.8520, 6.8290, 13.9090

# Conversions

## Conversions Part 2

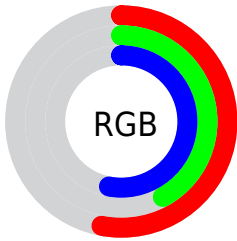
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 108, 135
Decimal	8809607
CIE <sub>Lab</sub>	49.00, 15.34, -10.96
CIE <sub>LCh</sub>	49, 18.848, 324.451
Yxy	17.5941, 0.3136, 0.2812
Android (android.graphics.Color)	4286999687 (0xFF866C87)
YUV	118.8520, 7.9610, 13.2848
Hunter-Lab	41.9453, 10.0963, -6.4621

# Details

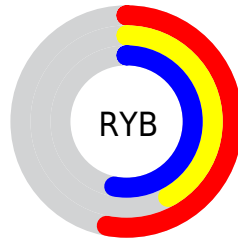
The CIELCh color  $[49, 18.848, 324.451]$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $[54, 18.808, 142.290]$ , and the grayscale version is  $[50, 0.007, 296.813]$ .

A 20% lighter version of the original color is  $[69, 18.370, 324.248]$ , and  $[29, 18.931, 324.759]$  is the 20% darker color. If you saturate the color by 10%, you get  $[46, 28.279, 324.949]$ , and if you desaturate by 10%, it is  $[53, 9.372, 323.936]$ .

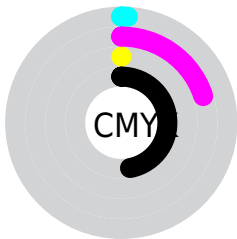
# Distribution



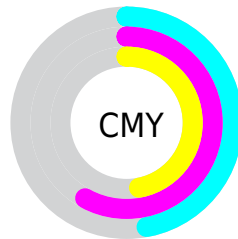
- Red (53%)
- Green (42%)
- Blue (53%)



- Red (53%)
- Yellow (42%)
- Blue (53%)



- Cyan (1%)
- Magenta (20%)
- Yellow (0%)
- Black (47%)




- Cyan (47%)
- Magenta (58%)
- Yellow (47%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 18.848, 324.451 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, 18.848, 324.451 by changing the saturation by 10% instead.




 49, 18.848,  
324.451


 49, 18.848,  
324.451


 100, 18.848,  
324.451


 39, 18.848,  
324.451

 69, 18.848,  
324.451


 29, 18.848,  
324.451

 79, 18.848,  
324.451

 19, 18.848,  
324.451

 89, 18.848,  
324.451

 9, 18.848, 324.451

 99, 18.848,  
324.451

 0, 18.848, 324.451

 49, 18.848,

 49, 18.848,

324.451

46, 28.279,  
324.949

42, 37.484,  
325.422

39, 46.208,  
325.853

37, 54.137,  
326.224

34, 60.921,  
326.515

33, 66.233,  
326.711

31, 69.849,  
326.800

31, 72.230,  
326.814

324.451

53, 9.372, 323.936

56, 0.014, 156.954

60, 9.226, 142.980

64, 18.214,  
142.494

68, 26.950,  
142.035

72, 35.423,  
141.603

76, 43.633,  
141.196

80, 51.585,  
140.816

84, 59.290,

■ 31, 72.235,  
326.814

140.462

# Harmonies

# Complementary

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



49, 18.848, 324.451



54, 18.808, 142.290

# Rectangle

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



49, 18.848, 324.451



49, 18.848, 14.451



49, 18.848, 144.451



49, 18.848, 194.451

# Sweetspot

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



49, 18.846, 324.451



69, 6.973, 323.729



47, 15.203, 290.343



36, 4.663, 323.759



87, 0.010, 296.813



38, 0.005, 296.813





# Same Dimension

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



49, 18.846, 324.451



61, 28.099, 324.680



49, 13.962, 342.638



27, 5.379, 323.893



30, 71.240, 326.817



0, 2.482, 323.450



# Inverse Universe

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



48, 11.413, 17.854



60, 17.277, 18.325



54, 13.701, 159.439



27, 3.149, 16.884



27, 61.984, 37.187

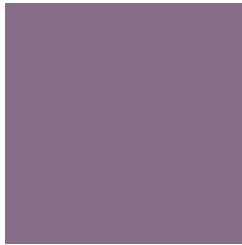


0, 1.417, 16.327



# Previews

## White Background



This preview shows how the CIELCh color 49, 18.848, 324.451 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, 18.848, 324.451 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

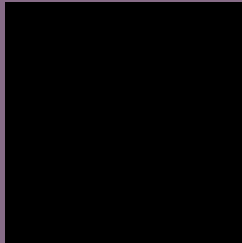
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 49, 18.848, 324.451

## Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.848, 324.451.



This preview shows how white text looks on a background with the CIELCh color 49, 18.848, 324.451.

# 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, 18.848, 324.451

### Protanopia

49, 14.166, 284.576

### Deuteranopia

49, 12.020, 302.684





**Tritanopia**  
49, 10.054, 349.067

# Trichromacy



**Original Color**  
49, 18.848, 324.451

**Protanomaly**  
49, 14.929, 300.757

**Deuteranomaly**  
49, 13.937, 312.852

**Tritanomaly**  
49, 13.162, 335.610

# Monochromacy



**Original Color**  
49, 18.848, 324.451

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 7.121, 324.836

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 18.848, 324.451 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(134, 108, 135)` looks like.

```
.text, #text, p{  
    color:rgb(134, 108, 135)  
}
```

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(134, 108, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 108, 135) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 18.848, 324.451 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(134, 108, 135) }
```

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

```
.border{ border-color:rgb(134, 108, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 108, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 108, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 108, 135);  
box-shadow:4px 4px 4px 4px rgb(134, 108,  
135) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 18.848, 324.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 108, 135) }
```

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

```
.background{ background-color: rgb(134,  
108, 135) }
```

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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