

# Converting Colors

CIELCh(49, 16.747, 340.249)

Have a look what the booklet for  
CIELCh(49, 16.747, 340.249)  
contains.

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**Color**

**CIELCh(49, 16.981, 340.698)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B6B7E
RGB	139, 107, 126
RGB Percent	55%, 42%, 49%
CMY	0.4538, 0.5794, 0.5049
CMYK	0.00, 0.23, 0.09, 0.45
HSL	324°, 13%, 48%
HSV	324°, 23%, 55%
XYZ	19.7596, 17.5941, 22.1820
YIQ	118.7340, 12.9730, 12.6930

# Conversions

## Conversions Part 2

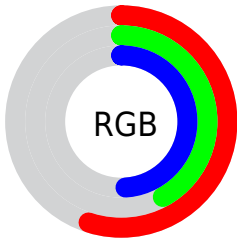
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 107, 126
Decimal	9137022
CIE <sub>Lab</sub>	49.00, 16.03, -5.61
CIE <sub>LCh</sub>	49, 16.981, 340.698
Yxy	17.5941, 0.3319, 0.2955
Android (android.graphics.Color)	4287327102 (0xFF8B6B7E)
YUV	118.7340, 3.5821, 17.7733
Hunter-Lab	41.9453, 10.6837, -1.9927

# Details

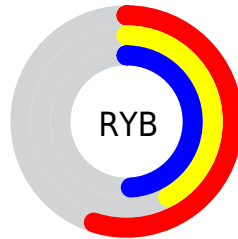
The CIELCh color  $49, 16.981, 340.698$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $55, 16.692, 157.090$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $69, 16.872, 340.549$ , and  $29, 17.335, 341.197$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 24.414, 341.603$ , and if you desaturate by 10%, it is  $53, 9.527, 339.868$ .

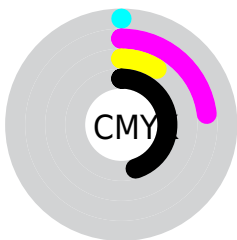
# Distribution



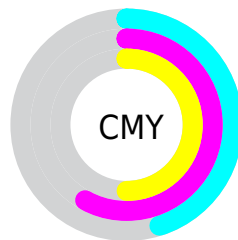
- Red (55%)
- Green (42%)
- Blue (49%)



- Red (55%)
- Yellow (42%)
- Blue (49%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (58%)
- Yellow (50%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.981, 340.698 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, 16.981, 340.698 by changing the saturation by 10% instead.




 49, 16.981,  
340.698


 49, 16.981,  
340.698


 100, 16.981,  
340.698


 39, 16.981,  
340.698

 69, 16.981,  
340.698

 29, 16.981,  
340.698

 79, 16.981,  
340.698

 19, 16.981,  
340.698


 89, 16.981,  
340.698

 9, 16.981, 340.698

 99, 16.981,  
340.698

 0, 16.981, 340.698

 49, 16.981,

 49, 16.981,

340.698

340.698

45, 24.414,  
341.603

53, 9.527, 339.868

42, 31.658,  
342.604

57, 2.171, 339.013

61, 5.020, 158.504

39, 38.468,  
343.736

65, 12.009,  
157.822

36, 44.530,  
345.047

69, 18.781,  
157.209

33, 49.489,  
346.603

73, 25.333,  
156.640

32, 53.017,  
348.499

77, 31.671,  
156.109

30, 54.930,  
350.846

81, 37.805,  
155.611

30, 55.796,  
352.653

85, 43.749,



# Harmonies

# Complementary

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



49, 16.981, 340.698



55, 16.692, 157.090

# Rectangle

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



49, 16.981, 340.698



49, 16.981, 30.698



49, 16.981, 160.698



49, 16.981, 210.698

# Sweetspot

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



49, 16.979, 340.699



70, 6.329, 339.396



48, 19.621, 306.709



37, 4.147, 339.436



88, 0.010, 296.813



39, 0.006, 296.813





# Same Dimension

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



49, 16.979, 340.699



60, 25.671, 341.197



49, 13.614, 13.236



27, 4.088, 339.558



28, 53.890, 352.497



0, 1.881, 338.925



# Inverse Universe

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



49, 16.979, 340.699



60, 25.671, 341.197



56, 12.084, 189.457



27, 4.088, 339.558



28, 53.890, 352.497

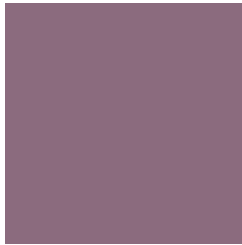


0, 1.881, 338.925



# Previews

## White Background



This preview shows how the CIELCh color 49, 16.981, 340.698 looks on a white background.

## Color Contrast Check

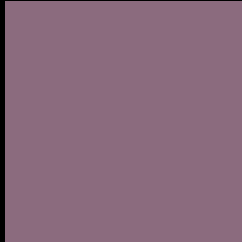
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.981, 340.698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

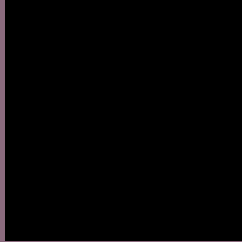
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 49, 16.981, 340.698**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 16.981, 340.698.



This preview shows how white text looks on a background with the CIELCh color 49, 16.981, 340.698.

# 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, 16.981, 340.698


### Protanopia

49, 9.413, 286.779

### Deuteranopia

49, 8.336, 322.615





**Tritanopia**  
49, 12.840, 359.729

# Trichromacy



**Original Color**  
49, 16.981, 340.698

**Protanomaly**  
49, 10.780, 312.615

**Deuteranomaly**  
49, 11.224, 333.753

**Tritanomaly**  
49, 14.116, 351.444

# Monochromacy



**Original Color**  
49, 16.981, 340.698

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 6.058, 337.544

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 16.981, 340.698 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(139, 107, 126)` looks like.

```
.text, #text, p{  
    color:rgb(139, 107, 126)  
}
```

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(139, 107, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 107, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 16.981, 340.698 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(139, 107, 126) }
```

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

```
.border{ border-color:rgb(139, 107, 126) }
```

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

Here you see how a box with a 4 pixel rgb(139, 107, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 107, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 107, 126);  
box-shadow:4px 4px 4px 4px rgb(139, 107,  
126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 16.981, 340.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 107, 126) }
```

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

```
.background{ background-color: rgb(139,  
107, 126) }
```

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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