

# Converting Colors

CIELCh(49, 17.919, 346.379)

Have a look what the booklet for  
CIELCh(49, 17.919, 346.379)  
contains.

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**Color**

**CIELCh(49, 17.930, 345.861)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E6A7C
RGB	142, 106, 124
RGB Percent	56%, 42%, 49%
CMY	0.4421, 0.5833, 0.5127
CMYK	0.00, 0.25, 0.13, 0.44
HSL	330°, 14%, 49%
HSV	330°, 25%, 56%
XYZ	20.0331, 17.5941, 21.4919
YIQ	118.8160, 15.6780, 13.2300

# Conversions

## Conversions Part 2

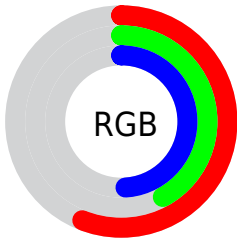
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 106, 124
Decimal	9333372
CIE Lab	49.00, 17.39, -4.38
CIE LCh	49, 17.930, 345.861
Yxy	17.5941, 0.3389, 0.2976
Android (android.graphics.Color)	4287523452 (0xFF8E6A7C)
YUV	118.8160, 2.5557, 20.3324
Hunter-Lab	41.9453, 11.8476, -1.0173

# Details

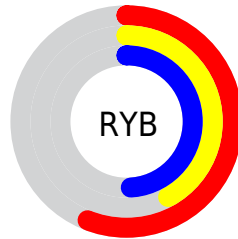
The CIELCh color  $[49, 17.930, 345.861]$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $[56, 17.388, 161.451]$ , and the grayscale version is  $[50, 0.007, 296.813]$ .

A 20% lighter version of the original color is  $[69, 17.470, 346.811]$ , and  $[29, 18.010, 345.974]$  is the 20% darker color. If you saturate the color by 10%, you get  $[45, 25.095, 346.936]$ , and if you desaturate by 10%, it is  $[53, 10.754, 344.903]$ .

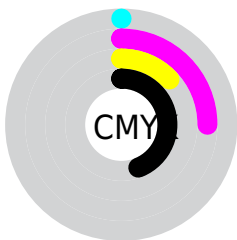
# Distribution



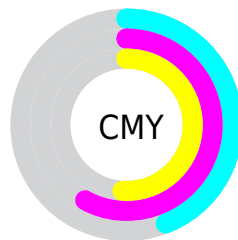
- Red (56%)
- Green (42%)
- Blue (49%)



- Red (56%)
- Yellow (42%)
- Blue (49%)



- Cyan (0%)
- Magenta (25%)
- Yellow (13%)
- Black (44%)




- Cyan (44%)
- Magenta (58%)
- Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 17.930, 345.861 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, 17.930, 345.861 by changing the saturation by 10% instead.




 49, 17.930,  
345.861


 49, 17.930,  
345.861


 100, 17.930,  
345.861


 39, 17.930,  
345.861

 69, 17.930,  
345.861


 29, 17.930,  
345.861

 79, 17.930,  
345.861

 19, 17.930,  
345.861


 89, 17.930,  
345.861

 9, 17.930, 345.861

 99, 17.930,  
345.861

 0, 17.930, 345.861

 49, 17.930,

 49, 17.930,

345.861

345.861

45, 25.095,  
346.936

53, 10.754,  
344.903

42, 32.076,  
348.164

57, 3.690, 343.993

38, 38.622,  
349.602

61, 3.198, 163.402

65, 9.873, 162.624

36, 44.412,  
351.327

69, 16.321,  
161.957

33, 49.098,  
353.447

74, 22.542,  
161.345

32, 52.390,  
356.099

78, 28.544,  
160.779

30, 54.234,  
359.407

82, 34.339,  
160.253

30, 54.980, 1.031

86, 39.942,



# Harmonies

# Complementary

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



49, 17.930, 345.861



56, 17.388, 161.451

# Rectangle

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



49, 17.930, 345.861



49, 17.930, 35.861



49, 17.930, 165.861



49, 17.930, 215.861

# Sweetspot

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



49, 17.928, 345.863



72, 6.941, 344.259



48, 22.411, 310.239



37, 4.980, 344.384



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



49, 17.928, 345.863



61, 26.528, 346.419



48, 15.424, 21.290



28, 3.950, 344.350



28, 52.994, 0.814



1, 2.639, 343.652



# Inverse Universe

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



49, 17.928, 345.863



61, 26.528, 346.419



57, 13.086, 198.174



28, 3.950, 344.350



28, 52.994, 0.814

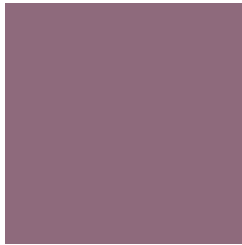


1, 2.639, 343.652



# Previews

## White Background



This preview shows how the CIELCh color 49, 17.930, 345.861 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, 17.930, 345.861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

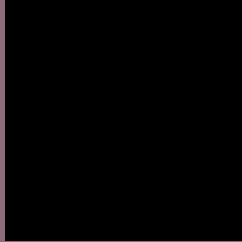
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 49, 17.930, 345.861**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 17.930, 345.861.



This preview shows how white text looks on a background with the CIELCh color 49, 17.930, 345.861.

# 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, 17.930, 345.861

### Protanopia

49, 8.225, 288.586

### Deuteranopia

49, 7.621, 329.919





**Tritanopia**  
49, 14.444, 2.444

# Trichromacy



**Original Color**  
49, 17.930, 345.861

**Protanomaly**  
49, 10.761, 319.706

**Deuteranomaly**  
49, 10.720, 339.741

**Tritanomaly**  
49, 15.598, 354.774

# Monochromacy



**Original Color**  
49, 17.930, 345.861

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
49, 6.686, 342.386

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 17.930, 345.861 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(142, 106, 124)` looks like.

```
.text, #text, p{  
    color:rgb(142, 106, 124)  
}
```

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(142, 106, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 106, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 17.930, 345.861 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(142, 106, 124) }
```

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

```
.border{ border-color:rgb(142, 106, 124) }
```

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

Here you see how a box with a 4 pixel rgb(142, 106, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 106, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 106, 124);  
box-shadow:4px 4px 4px 4px rgb(142, 106,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 17.930, 345.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 106, 124) }
```

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

```
.background{ background-color: rgb(142,  
106, 124) }
```

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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