

# Converting Colors

CIELCh(49, 25.047, 334.979)

Have a look what the booklet for  
CIELCh(49, 25.047, 334.979)  
contains.

<b>CIELCh(49, 25.089, 334.512)</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, 25.089, 334.512)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	926787
RGB	146, 103, 135
RGB Percent	57%, 40%, 53%
CMY	0.4270, 0.5957, 0.4702
CMYK	0.00, 0.29, 0.08, 0.43
HSL	315°, 17%, 49%
HSV	315°, 29%, 57%
XYZ	21.1145, 17.5941, 25.2440
YIQ	119.5050, 15.3560, 19.0680

# Conversions

## Conversions Part 2

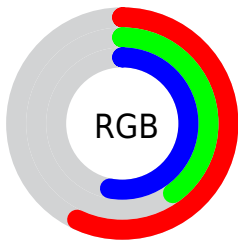
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	146, 103, 135
Decimal	9594759
CIE <sub>Lab</sub>	49.00, 22.65, -10.80
CIE <sub>LCh</sub>	49, 25.089, 334.512
Yxy	17.5941, 0.3302, 0.2751
Android (android.graphics.Color)	4287784839 (0xFF926787)
YUV	119.5050, 7.6390, 23.2361
Hunter-Lab	41.9453, 16.4494, -6.3209

# Details

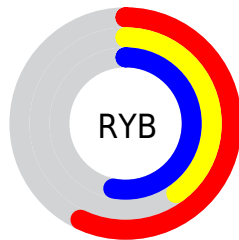
The CIELCh color  $49, 25.089, 334.512$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $57, 24.904, 150.334$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $69, 24.830, 335.166$ , and  $29, 25.149, 335.069$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 33.435, 335.252$ , and if you desaturate by 10%, it is  $53, 16.544, 333.808$ .

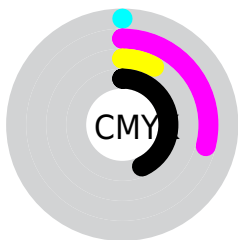
# Distribution



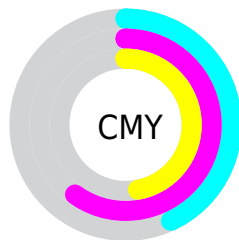
- Red (57%)
- Green (40%)
- Blue (53%)



- Red (57%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (29%)
- Yellow (8%)
- Black (43%)




- Cyan (43%)
- Magenta (60%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 25.089, 334.512 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, 25.089, 334.512 by changing the saturation by 10% instead.





 49, 25.089,  
334.512


 49, 25.089,  
334.512


 100, 25.089,  
334.512


 39, 25.089,  
334.512

 69, 25.089,  
334.512


 29, 25.089,  
334.512

 79, 25.089,  
334.512

 19, 25.089,  
334.512

 89, 25.089,  
334.512

 9, 25.089, 334.512

 99, 25.089,  
334.512

 0, 25.089, 334.512

 49, 25.089,

 49, 25.089,

334.512

45, 33.435,  
335.252

42, 41.339,  
336.035

39, 48.473,  
336.875

37, 54.463,  
337.793

35, 58.940,  
338.824

33, 61.644,  
340.013

32, 62.908,  
341.361

32, 62.977,  
341.438

334.512

53, 16.544,  
333.808

57, 7.986, 333.127

61, 0.469, 153.077

65, 8.749, 151.956

69, 16.812,  
151.373

73, 24.640,  
150.829

78, 32.228,  
150.317

82, 39.582,  
149.835

86, 46.712,



# Harmonies

# Complementary

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



49, 25.089, 334.512



57, 24.904, 150.334

# Rectangle

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



49, 25.089, 334.512



49, 25.089, 24.512



49, 25.089, 154.512



49, 25.089, 204.512

# Sweetspot

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



49, 25.087, 334.513



72, 9.386, 333.110



46, 25.963, 302.039



37, 6.507, 333.199



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, 25.087, 334.513



60, 36.665, 334.972



48, 18.962, 2.682



29, 4.830, 333.112



30, 60.374, 341.348



1, 4.195, 332.557



# Inverse Universe

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



49, 25.087, 334.513



60, 36.665, 334.972



57, 17.141, 176.763



29, 4.830, 333.112



30, 60.374, 341.348

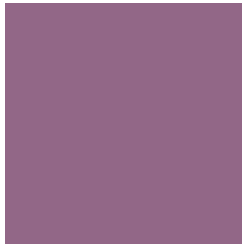


1, 4.195, 332.557



# Previews

## White Background



This preview shows how the CIELCh color 49, 25.089, 334.512 looks on a white background.

## Color Contrast Check

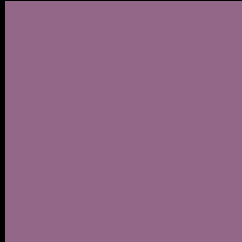
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.089, 334.512 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

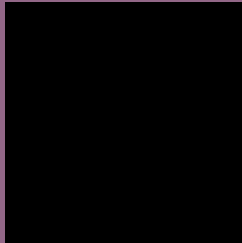
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 49, 25.089, 334.512**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 25.089, 334.512.



This preview shows how white text looks on a background with the CIELCh color 49, 25.089, 334.512.

# 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, 25.089, 334.512

**Protanopia**  
49, 16.521, 284.789

**Deuteranopia**  
49, 11.445, 303.210





**Tritanopia**  
49, 16.081, 4.678

# Trichromacy



**Original Color**  
49, 25.089, 334.512

**Protanomaly**  
49, 18.301, 306.610

**Deuteranomaly**  
49, 15.982, 319.315

**Tritanomaly**  
49, 18.390, 351.388

# Monochromacy



**Original Color**  
49, 25.089, 334.512

**Achromatopsia**  
50, 0.007, 296.813

**Achromatomaly**  
50, 8.835, 333.687

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 25.089, 334.512 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(146, 103, 135)` looks like.

```
.text, #text, p{  
    color:rgb(146, 103, 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(146, 103, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 103, 135) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 25.089, 334.512 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(146, 103, 135) }
```

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

```
.border{ border-color:rgb(146, 103, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 103, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 103, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 103, 135);  
box-shadow:4px 4px 4px 4px rgb(146, 103,  
135) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 25.089, 334.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 103, 135) }
```

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

```
.background{ background-color: rgb(146,  
103, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor