

# Converting Colors

CIELCh(39, 47.985, 335.269)

Have a look what the booklet for  
CIELCh(39, 47.985, 335.269)  
contains.

<b>CIELCh(39, 48.115, 335.462)</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(39, 48.115, 335.462)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	903C7D
RGB	144, 60, 125
RGB Percent	56%, 24%, 49%
CMY	0.4350, 0.7644, 0.5095
CMYK	0.00, 0.58, 0.13, 0.43
HSL	314°, 41%, 40%
HSV	314°, 58%, 57%
XYZ	16.8422, 10.6589, 20.5970
YIQ	92.5260, 29.1990, 38.0230

# Conversions

## Conversions Part 2

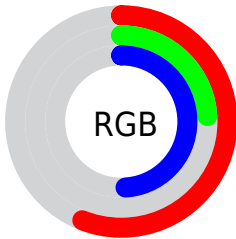
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 60, 125
Decimal	9452669
CIELab	39.00, 43.77, -19.98
CIELCh	39, 48.115, 335.462
Yxy	10.6589, 0.3502, 0.2216
Android (android.graphics.Color)	4287642749 (0xFF903C7D)
YUV	92.5260, 16.0097, 45.1427
Hunter-Lab	32.6480, 34.9490, -14.5513

# Details

The CIELCh color  $[39, 48.115, 335.462]$  is a dark color, and the websafe version is hex  $993366$ . A complement of this color would be  $[53, 48.422, 146.037]$ , and the grayscale version is  $[39, 0.006, 296.813]$ .

A 20% lighter version of the original color is  $[59, 48.063, 335.440]$ , and  $[19, 48.293, 335.465]$  is the 20% darker color. If you saturate the color by 10%, you get  $[36, 54.304, 336.282]$ , and if you desaturate by 10%, it is  $[42, 40.820, 334.696]$ .

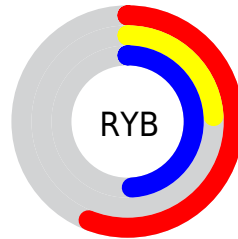
# Distribution



Red (56%)

Green (24%)

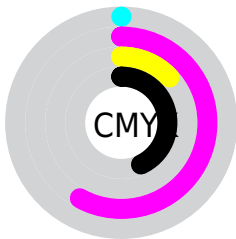
Blue (49%)



Red (56%)

Yellow (24%)

Blue (49%)

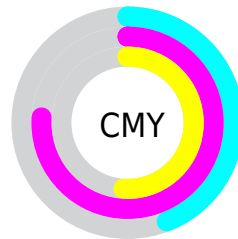


Cyan (0%)

Magenta (58%)

Yellow (13%)

Black (43%)



Cyan (44%)

Magenta (76%)

Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 48.115, 335.462 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 39, 48.115, 335.462 by changing the saturation by 10% instead.



 39, 48.115,  
335.462

 39, 48.115,  
335.462


 100, 48.115,  
335.462

 29, 48.115,  
335.462

 59, 48.115,  
335.462

 19, 48.115,  
335.462

 69, 48.115,  
335.462

 9, 48.115, 335.462

 79, 48.115,  
335.462

 0, 48.115, 335.462

 89, 48.115,  
335.462

 99, 48.115,  
335.462

39, 48.115,  
335.462

39, 48.115,  
335.462

36, 54.304,  
336.282

42, 40.820,  
334.696

35, 59.026,  
337.178

45, 32.793,  
333.967

33, 62.006,  
338.187

49, 24.346,  
333.270

32, 63.435,  
339.322

53, 15.721,  
332.598

32, 63.655,  
339.516

56, 7.091, 331.939

61, 1.430, 151.537

65, 9.772, 150.806

69, 17.896,  
150.240

■ 73, 25.784,  
149.709

# Harmonies

# Complementary

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



39, 48.115, 335.462



53, 48.422, 146.037

# Rectangle

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



39, 48.115, 335.462



39, 48.115, 25.462



39, 48.115, 155.462



39, 48.115, 205.462

# Sweetspot

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



39, 48.113, 335.462



67, 17.991, 332.535



32, 53.106, 304.007



34, 12.137, 332.651



88, 0.010, 296.813



40, 0.006, 296.813





# Same Dimension

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



39, 48.113, 335.462



47, 67.579, 336.553



38, 38.111, 5.434



28, 4.791, 331.997



30, 60.818, 339.434



1, 3.215, 331.460



# Inverse Universe

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



39, 48.113, 335.462



47, 67.579, 336.553



54, 31.840, 170.836



28, 4.791, 331.997



30, 60.818, 339.434



1, 3.215, 331.460



# Previews

## White Background



This preview shows how the CIELCh color 39, 48.115, 335.462 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 39, 48.115, 335.462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

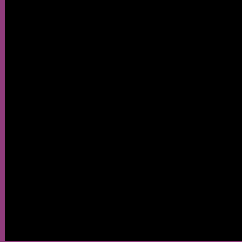
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

# CIELCh 39, 48.115, 335.462

## Background



This preview shows how black text looks on a background with the CIELCh color 39, 48.115, 335.462.

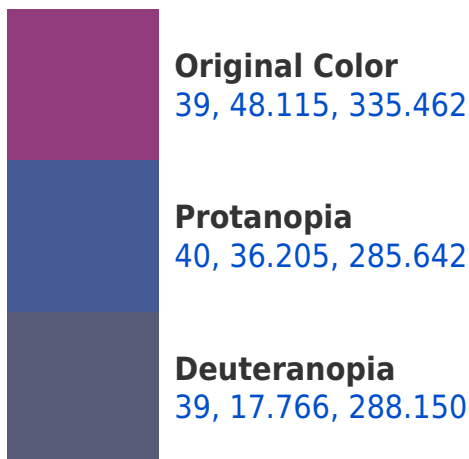


This preview shows how white text looks on a background with the CIELCh color 39, 48.115, 335.462.

# 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







**Tritanopia**  
39, 30.549, 18.996

# Trichromacy



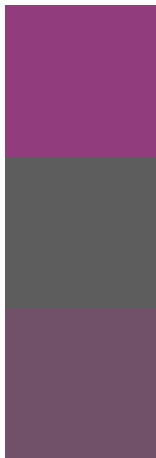
**Original Color**  
39, 48.115, 335.462

**Protanomaly**  
38, 37.995, 304.201

**Deuteranomaly**  
38, 27.910, 316.084

**Tritanomaly**  
39, 33.973, 358.651

# Monochromacy



**Original Color**  
39, 48.115, 335.462

**Achromatopsia**  
39, 0.006, 296.813

**Achromatomaly**  
38, 19.376, 333.163

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 39, 48.115, 335.462 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(144, 60, 125)` looks like.

```
.text, #text, p{  
    color:rgb(144, 60, 125)  
}
```

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(144, 60, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 60, 125) }
```

## Border

The CSS property to change the border of an element to CIELCh 39, 48.115, 335.462 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(144, 60, 125) }
```

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

```
.border{ border-color:rgb(144, 60, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 60, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 60, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 60, 125);  
box-shadow:4px 4px 4px 4px rgb(144, 60,  
125) }
```

# Background

The CSS property to change the background color of an element to CIELCh 39, 48.115, 335.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 60, 125) }
```

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

```
.background{ background-color: rgb(144, 60,  
125) }
```

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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