

# Converting Colors

CIELCh(64, 9.999, 40.674)

Have a look what the booklet for  
CIELCh(64, 9.999, 40.674) contains.

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# Color

**CIELCh(64, 9.818, 39.920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AD9690
RGB	173, 150, 144
RGB Percent	68%, 59%, 56%
CMY	0.3208, 0.4110, 0.4345
CMYK	0.00, 0.13, 0.17, 0.32
HSL	12°, 15%, 62%
HSV	12°, 17%, 68%
XYZ	33.2643, 32.8017, 31.0414
YIQ	156.1930, 15.6340, 3.0100

# Conversions

## Conversions Part 2

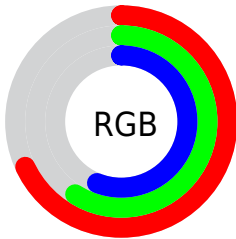
Format	Color
<a href="#">RYB</a>	<a href="#">173, 152, 144</a>
Decimal	<a href="#">11376272</a>
CIELab	<a href="#">64.00, 7.53, 6.30</a>
CIELCh	<a href="#">64, 9.818, 39.920</a>
Yxy	<a href="#">32.8017, 0.3426, 0.3378</a>
Android (android.graphics.Color)	<a href="#">4289566352</a> ( <a href="#">0xFFAD9690</a> )
YUV	<a href="#">156.1930, -6.0111, 14.7397</a>
Hunter-Lab	<a href="#">57.2727, 3.4465, 7.9562</a>

# Details

The CIELCh color **64, 9.818, 39.920** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 8.827, 220.962**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 9.915, 38.484**, and **44, 9.654, 38.354** is the 20% darker color. If you saturate the color by 10%, you get **60, 16.336, 39.906**, and if you desaturate by 10%, it is **68, 3.798, 40.013**.

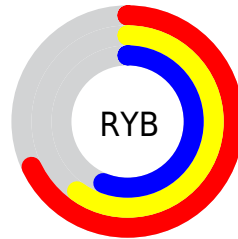
# Distribution



Red (68%)

Green (59%)

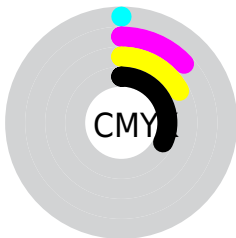
Blue (56%)



Red (68%)

Yellow (60%)

Blue (56%)

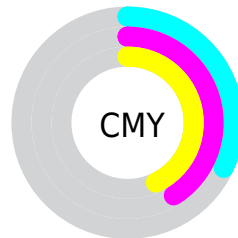


Cyan (0%)

Magenta (13%)

Yellow (17%)

Black (32%)



Cyan (32%)

Magenta (41%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 9.818, 39.920 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 64, 9.818, 39.920 by changing the saturation by 10% instead.



 64, 9.818, 39.920       64, 9.818, 39.920

 100, 9.818, 39.920       54, 9.818, 39.920

 84, 9.818, 39.920       44, 9.818, 39.920

 94, 9.818, 39.920       34, 9.818, 39.920


 24, 9.818, 39.920

 14, 9.818, 39.920

 4, 9.818, 39.920

 0, 9.818, 39.920

 64, 9.818, 39.920       64, 9.818, 39.920

 60, 16.336, 39.906       68, 3.798, 40.013

56, 23.386, 40.013

72, 1.764, 220.659

53, 30.979, 40.296

76, 6.917, 220.759

49, 39.087, 40.788

80, 11.706,  
221.079

46, 47.611, 41.499

85, 16.175,  
221.446

43, 56.317, 42.375

41, 64.677, 43.197

89, 20.363,  
221.838

39, 71.693, 43.536

93, 23.380,  
209.124

38, 73.916, 43.842

95, 25.882,  
197.821

# Harmonies

# Complementary

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



64, 9.818, 39.920



67, 8.827, 220.962

# Rectangle

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



64, 9.818, 39.920



64, 9.818, 89.920



64, 9.818, 219.920



64, 9.818, 269.920

# Sweetspot

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



64, 9.817, 39.932



87, 3.451, 40.005



63, 17.022, 331.551



46, 2.358, 40.011



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



64, 9.817, 39.932



79, 14.687, 39.910



68, 11.665, 91.646



35, 3.223, 39.999



33, 66.210, 43.986



3, 6.736, 35.923





# Inverse Universe

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



67, 8.827, 220.962



84, 12.876, 221.143



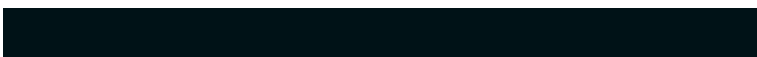
63, 11.700, 275.952



36, 3.046, 220.680



46, 29.697, 236.379



5, 6.415, 229.237



# Previews

## White Background



This preview shows how the CIELCh color 64, 9.818, 39.920 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 64, 9.818, 39.920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

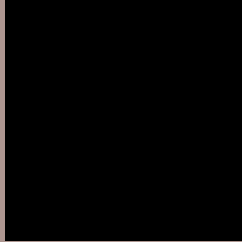
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 9.818, 39.920

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.818, 39.920.



This preview shows how white text looks on a background with the CIELCh color 64, 9.818, 39.920.

# 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

64, 9.818, 39.920

### Protanopia

64, 4.842, 85.754

### Deuteranopia

64, 10.206, 39.171



**Tritanopia**  
64, 12.121, 350.352



# Trichromacy



**Original Color**  
64, 9.818, 39.920

**Protanomaly**  
64, 6.131, 58.942

**Deuteranomaly**  
64, 10.206, 39.171

**Tritanomaly**  
64, 10.178, 4.584

# Monochromacy



**Original Color**  
64, 9.818, 39.920

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 3.295, 39.216

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 9.818, 39.920 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(173, 150, 144)` looks like.

```
.text, #text, p{  
    color:rgb(173, 150, 144)  
}
```

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(173, 150, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 150, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 9.818, 39.920 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(173, 150, 144) }
```

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

```
.border{ border-color:rgb(173, 150, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 150, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 150, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 150, 144);  
box-shadow:4px 4px 4px 4px rgb(173, 150,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 9.818, 39.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 150, 144) }
```

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

```
.background{ background-color: rgb(173,  
150, 144) }
```

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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