

# Converting Colors

CIELCh(54, 9.405, 2.950)

Have a look what the booklet for  
CIELCh(54, 9.405, 2.950) contains.

<b>CIELCh(54, 9.348, 2.598)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(54, 9.348, 2.598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	927C81
RGB	146, 124, 129
RGB Percent	57%, 49%, 51%
CMY	0.4289, 0.5152, 0.4956
CMYK	0.00, 0.15, 0.12, 0.43
HSL	346°, 9%, 53%
HSV	346°, 15%, 57%
XYZ	22.8861, 21.9746, 23.6754
YIQ	131.1480, 11.5070, 6.2190

# Conversions

## Conversions Part 2

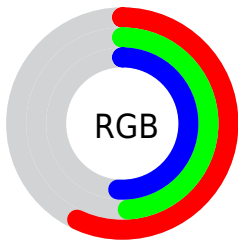
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	146, 124, 129
Decimal	9600129
CIE Lab	54.00, 9.34, 0.42
CIE LCh	54, 9.348, 2.598
Yxy	21.9746, 0.3339, 0.3206
Android (android.graphics.Color)	4287790209 (0xFF927C81)
YUV	131.1480, -1.0590, 13.0252
Hunter-Lab	46.8770, 5.1116, 2.8693

# Details

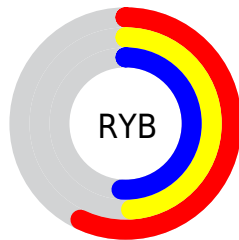
The CIELCh color  $54, 9.348, 2.598$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $59, 8.858, 179.895$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 9.116, 2.977$ , and  $34, 9.355, 1.501$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 15.883, 3.786$ , and if you desaturate by 10%, it is  $58, 3.082, 1.525$ .

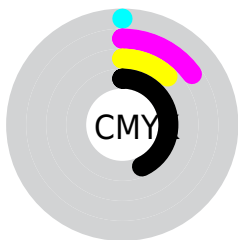
# Distribution



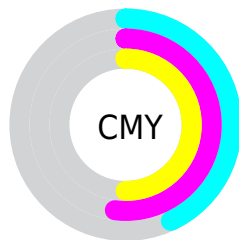
- Red (57%)
- Green (49%)
- Blue (51%)



- Red (57%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (12%)
- Black (43%)



- Cyan (43%)
- Magenta (52%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 9.348, 2.598 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 54, 9.348, 2.598 by changing the saturation by 10% instead.



 54, 9.348, 2.598

 54, 9.348, 2.598

 100, 9.348, 2.598

 44, 9.348, 2.598

 74, 9.348, 2.598

 34, 9.348, 2.598

 84, 9.348, 2.598

 24, 9.348, 2.598

 94, 9.348, 2.598

 14, 9.348, 2.598

 4, 9.348, 2.598

 0, 9.348, 2.598

 54, 9.348, 2.598

 54, 9.348, 2.598

 50, 15.883, 3.786

 58, 3.082, 1.525

 46, 22.627, 5.182

 63, 2.883, 180.931

42, 29.457, 6.874

67, 8.545, 180.084

39, 36.191, 8.964

71, 13.918,  
179.395

36, 42.583, 11.584

76, 19.019,  
178.785

33, 48.371, 14.880

32, 53.360, 18.977

80, 23.873,  
178.236

30, 57.556, 23.846

84, 28.502,  
177.737

30, 59.628, 26.170

89, 32.929,  
177.281

93, 37.175,  
176.862

# Harmonies

# Complementary

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



54, 9.348, 2.598



59, 8.858, 179.895

# Rectangle

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



54, 9.348, 2.598



54, 9.348, 52.598



54, 9.348, 182.598



54, 9.348, 232.598

# Sweetspot

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



54, 9.346, 2.605



74, 3.735, 1.526



54, 14.297, 318.430



38, 2.543, 1.598



88, 0.010, 296.813



40, 0.006, 296.813



# Same Dimension

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



54, 9.346, 2.605



67, 13.870, 2.972



55, 7.426, 46.682



29, 3.493, 1.974



28, 57.119, 25.855



1, 2.991, 1.194





# Inverse Universe

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



54, 9.346, 2.605



67, 13.870, 2.972



57, 6.807, 228.461



29, 3.493, 1.974



28, 57.119, 25.855

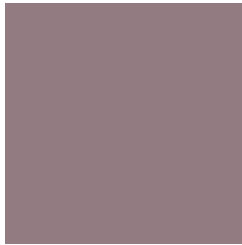


1, 2.991, 1.194



# Previews

## White Background



This preview shows how the CIELCh color 54, 9.348, 2.598 looks on a white background.

## Color Contrast Check

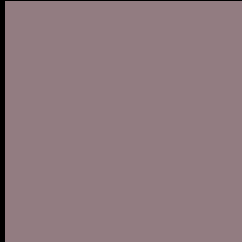
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the CIE LCh color 54, 9.348, 2.598 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 54, 9.348, 2.598**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 9.348, 2.598.



This preview shows how white text looks on a background with the CIELCh color 54, 9.348, 2.598.

# 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

54, 9.348, 2.598

### Protanopia

54, 1.410, 324.389

### Deuteranopia

54, 7.083, 6.095



**Tritanopia**  
54, 10.852, 348.693



# Trichromacy



## Original Color

54, 9.348, 2.598

## Protanomaly

54, 3.998, 354.196

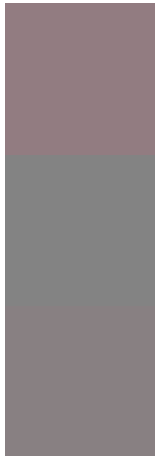
## Deuteranomaly

54, 7.482, 6.915

## Tritanomaly

54, 10.329, 354.187

# Monochromacy



## Original Color

54, 9.348, 2.598

## Achromatopsia

55, 0.007, 296.813

## Achromatomaly

54, 3.402, 359.937

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 9.348, 2.598 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, 124, 129)` looks like.

```
.text, #text, p{  
    color:rgb(146, 124, 129)  
}
```

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, 124, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 124, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 9.348, 2.598 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, 124, 129) }
```

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

```
.border{ border-color:rgb(146, 124, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 124, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 124, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 124, 129);  
box-shadow:4px 4px 4px 4px rgb(146, 124,  
129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 9.348, 2.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 124, 129) }
```

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

```
.background{ background-color: rgb(146,  
124, 129) }
```

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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