

# Converting Colors

CIELCh(54, 4.405, 42.705)

Have a look what the booklet for  
CIELCh(54, 4.405, 42.705) contains.

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# Color

**CIELCh(54, 4.405, 42.705)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	897F7C
RGB	137, 127, 124
RGB Percent	54%, 50%, 49%
CMY	0.4625, 0.5017, 0.5135
CMYK	0.00, 0.07, 0.09, 0.46
HSL	14°, 5%, 51%
HSV	14°, 9%, 54%
XYZ	21.5656, 21.9746, 22.1933
YIQ	129.6480, 6.9230, 1.1870

# Conversions

## Conversions Part 2

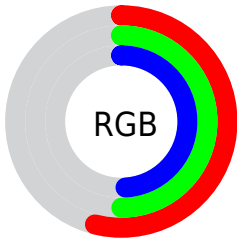
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 128, 124
Decimal	9011068
CIE Lab	54.00, 3.24, 2.99
CIE LCh	54, 4.405, 42.705
Yxy	21.9746, 0.3281, 0.3343
Android (android.graphics.Color)	4287201148 (0xFF897F7C)
YUV	129.6480, -2.7845, 6.4477
Hunter-Lab	46.8770, 0.0835, 4.7438

# Details

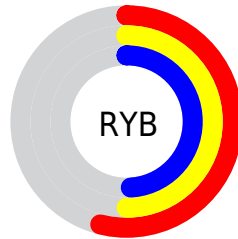
The CIELCh color  $54, 4.405, 42.705$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $55, 4.168, 223.617$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 4.353, 49.245$ , and  $34, 4.433, 44.830$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 9.410, 42.526$ , and if you desaturate by 10%, it is  $57, 0.232, 224.891$ .

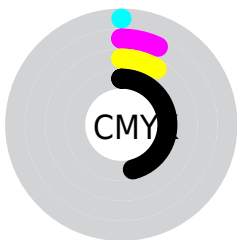
# Distribution



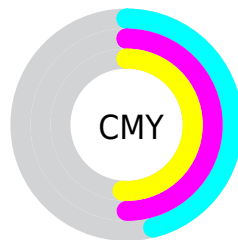
- Red (54%)
- Green (50%)
- Blue (49%)



- Red (54%)
- Yellow (50%)
- Blue (49%)



- Cyan (0%)
- Magenta (7%)
- Yellow (9%)
- Black (46%)



- Cyan (46%)
- Magenta (50%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 4.405, 42.705 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, 4.405, 42.705 by changing the saturation by 10% instead.



 54, 4.405, 42.705       54, 4.405, 42.705

 100, 4.405, 42.705       44, 4.405, 42.705

 74, 4.405, 42.705       34, 4.405, 42.705

 84, 4.405, 42.705       24, 4.405, 42.705

 94, 4.405, 42.705       14, 4.405, 42.705

 4, 4.405, 42.705

 0, 4.405, 42.705

 54, 4.405, 42.705       54, 4.405, 42.705

 51, 9.410, 42.526       57, 0.232, 224.891

 48, 14.818, 42.395       61, 4.535, 223.622

45, 20.653, 42.386

64, 8.542, 224.005

42, 26.922, 42.535

67, 12.288,  
224.443

39, 33.600, 42.863

71, 15.802,  
224.903

36, 40.599, 43.368

34, 47.715, 43.979

74, 19.115,  
225.375

32, 54.490, 44.466

77, 22.249,  
225.850

30, 60.447, 44.799

81, 25.228,  
226.324

84, 28.070,  
226.791

# Harmonies

# Complementary

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



54, 4.405, 42.705



55, 4.168, 223.617

# Rectangle

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



54, 4.405, 42.705



54, 4.405, 92.705



54, 4.405, 222.705



54, 4.405, 272.705

# Sweetspot

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



54, 4.405, 42.728



72, 1.685, 42.731



53, 7.839, 331.665



37, 1.276, 42.764



87, 0.010, 296.813



38, 0.005, 296.813



# Same Dimension

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



54, 4.405, 42.728



68, 6.380, 42.692



56, 5.513, 93.786



27, 2.627, 42.734



29, 59.082, 44.778



1, 1.181, 43.120





# Inverse Universe

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



55, 4.168, 223.617



70, 5.972, 223.690



53, 5.540, 276.107



28, 2.491, 223.605



40, 27.477, 240.918



1, 1.181, 223.140



# Previews

## White Background



This preview shows how the CIELCh color 54, 4.405, 42.705 looks on a white background.

## Color Contrast Check

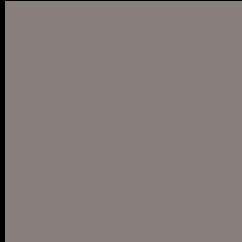
Large Text (above 18pt) WCAG AA ✓ Pass

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, 4.405, 42.705 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

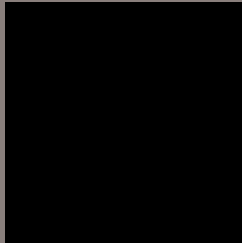
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 54, 4.405, 42.705

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 4.405, 42.705.



This preview shows how white text looks on a background with the CIELCh color 54, 4.405, 42.705.

# 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, 4.405, 42.705

### Protanopia

54, 2.582, 82.009

### Deuteranopia

54, 7.340, 20.153



**Tritanopia**  
54, 8.017, 334.340



# Trichromacy



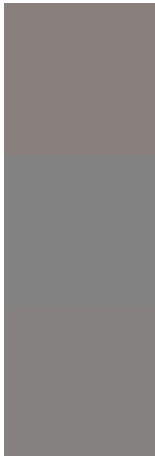
**Original Color**  
54, 4.405, 42.705

**Protanomaly**  
54, 2.959, 55.063

**Deuteranomaly**  
54, 6.130, 25.350

**Tritanomaly**  
54, 5.602, 349.092

# Monochromacy



**Original Color**  
54, 4.405, 42.705

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 1.691, 39.165

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 4.405, 42.705 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(137, 127, 124)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 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(137, 127, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 124) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 4.405, 42.705 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(137, 127, 124) }
```

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

```
.border{ border-color:rgb(137, 127, 124) }
```

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

Here you see how a box with a 4 pixel rgb(137, 127, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 127, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 127, 124);  
box-shadow:4px 4px 4px 4px rgb(137, 127,  
124) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 4.405, 42.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 124) }
```

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

```
.background{ background-color: rgb(137,  
127, 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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