

# Converting Colors

CIELCh(54, 6.228, 98.244)

Have a look what the booklet for  
CIELCh(54, 6.228, 98.244) contains.

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# Color

**CIELCh(54, 6.426, 98.342)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	848176
RGB	132, 129, 118
RGB Percent	52%, 51%, 46%
CMY	0.4817, 0.4935, 0.5366
CMYK	0.00, 0.02, 0.11, 0.48
HSL	47°, 6%, 49%
HSV	47°, 11%, 52%
XYZ	20.6931, 21.9746, 20.3409
YIQ	128.6430, 5.3190, -2.7850

# Conversions

## Conversions Part 2

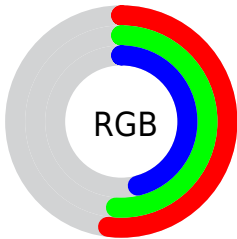
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	122, 132, 118
Decimal	8683894
CIE Lab	54.00, -0.93, 6.36
CIE LCh	54, 6.426, 98.342
Yxy	21.9746, 0.3284, 0.3488
Android (android.graphics.Color)	4286873974 (0xFF848176)
YUV	128.6430, -5.2470, 2.9441
Hunter-Lab	46.8770, -3.2387, 7.0868

# Details

The CIELCh color  $[54, 6.426, 98.342]$  is a dark color, and the websafe version is hex `999999`. A complement of this color would be  $[51, 6.498, 280.801]$ , and the grayscale version is  $[54, 0.007, 296.813]$ .

A 20% lighter version of the original color is  $[74, 6.561, 99.474]$ , and  $[34, 6.380, 96.808]$  is the 20% darker color. If you saturate the color by 10%, you get  $[53, 12.549, 97.223]$ , and if you desaturate by 10%, it is  $[55, 0.353, 99.133]$ .

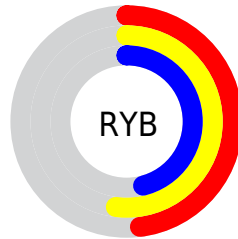
# Distribution



Red (52%)

Green (51%)

Blue (46%)



Red (48%)

Yellow (52%)

Blue (46%)

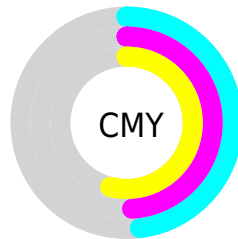


Cyan (0%)

Magenta (2%)

Yellow (11%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 6.426, 98.342 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, 6.426, 98.342 by changing the saturation by 10% instead.



 54, 6.426, 98.342       54, 6.426, 98.342

 100, 6.426, 98.342       44, 6.426, 98.342

 74, 6.426, 98.342       34, 6.426, 98.342

 84, 6.426, 98.342       24, 6.426, 98.342

 94, 6.426, 98.342       14, 6.426, 98.342

 4, 6.426, 98.342

 0, 6.426, 98.342

 54, 6.426, 98.342       54, 6.426, 98.342

 53, 12.549, 97.223       55, 0.353, 99.133

 52, 18.697, 96.056       56, 5.662, 280.565

51, 24.825, 94.862

58, 11.611,  
281.576

50, 30.857, 93.648

59, 17.494,  
282.550

49, 36.662, 92.417

48, 42.019, 91.163

60, 23.311,  
283.479

47, 46.592, 89.868

61, 29.063,  
284.362

46, 49.943, 88.489

45, 52.270, 87.151

63, 34.754,  
285.200

64, 40.385,  
285.992

65, 45.957,  
286.741

# Harmonies

# Complementary

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



54, 6.426, 98.342



51, 6.498, 280.801

# Rectangle

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



54, 6.426, 98.342



54, 6.426, 148.342



54, 6.426, 278.342



54, 6.426, 328.342

# Sweetspot

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



54, 6.427, 98.354



69, 2.231, 99.143



51, 5.969, 2.896



37, 1.706, 99.074



86, 0.010, 296.813



37, 0.005, 296.813



# Same Dimension

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



54, 6.427, 98.354



68, 9.740, 98.054



55, 8.189, 120.580



27, 3.427, 98.515



45, 51.671, 87.180



1, 0.820, 99.539





# Inverse Universe

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



51, 6.498, 280.801



64, 9.868, 281.145



50, 8.358, 301.798



26, 3.462, 280.621



18, 68.055, 301.131



0, 0.820, 279.544



# Previews

## White Background



This preview shows how the CIELCh color 54, 6.426, 98.342 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, 6.426, 98.342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

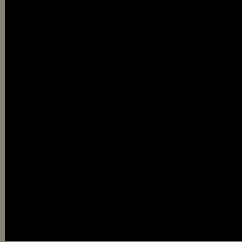
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

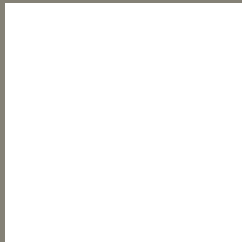
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 54, 6.426, 98.342**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 6.426, 98.342.



This preview shows how white text looks on a background with the CIELCh color 54, 6.426, 98.342.

# 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

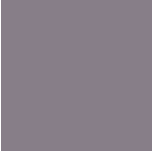
54, 6.426, 98.342

### Protanopia

54, 6.630, 91.312

### Deuteranopia

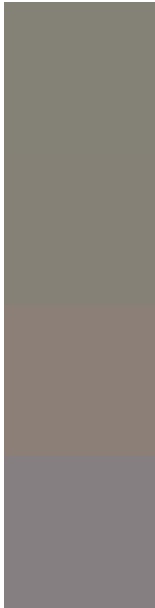
54, 9.016, 42.531



**Tritanopia**  
54, 6.798, 322.032



# Trichromacy



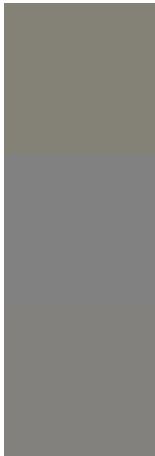
**Original Color**  
54, 6.426, 98.342

**Protanomaly**  
54, 6.515, 94.776

**Deuteranomaly**  
54, 7.072, 60.144

**Tritanomaly**  
54, 3.294, 348.030

# Monochromacy



**Original Color**  
54, 6.426, 98.342

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 2.325, 99.940

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 6.426, 98.342 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(132, 129, 118)` looks like.

```
.text, #text, p{  
    color:rgb(132, 129, 118)  
}
```

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(132, 129, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 129, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 6.426, 98.342 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(132, 129, 118) }
```

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

```
.border{ border-color:rgb(132, 129, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 129, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 129, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 129, 118); box-shadow:4px 4px 4px 4px rgb(132, 129, 118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 6.426, 98.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 129, 118) }
```

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

```
.background{ background-color: rgb(132,  
129, 118) }
```

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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