

# Converting Colors

CIELCh(54, 5.674, 19.950)

Have a look what the booklet for  
CIELCh(54, 5.674, 19.950) contains.

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# Color

**CIELCh(54, 5.674, 19.950)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C7E7E
RGB	140, 126, 126
RGB Percent	55%, 49%, 49%
CMY	0.4513, 0.5062, 0.5062
CMYK	0.00, 0.10, 0.10, 0.45
HSL	0°, 6%, 52%
HSV	0°, 10%, 55%
XYZ	22.0135, 21.9746, 22.7935
YIQ	130.1860, 8.3440, 2.9680

# Conversions

## Conversions Part 2

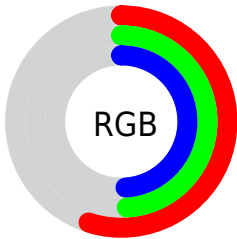
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 126, 126
Decimal	9207422
CIE <sub>Lab</sub>	54.00, 5.33, 1.94
CIE <sub>LCh</sub>	54, 5.674, 19.950
Yxy	21.9746, 0.3296, 0.3291
Android (android.graphics.Color)	4287397502 (0xFF8C7E7E)
YUV	130.1860, -2.0637, 8.6069
Hunter-Lab	46.8770, 1.7888, 3.9847

# Details

The CIELCh color  $54, 5.674, 19.950$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $57, 5.337, 198.973$ , and the grayscale version is  $54, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 5.680, 19.791$ , and  $34, 5.781, 20.243$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 11.784, 20.787$ , and if you desaturate by 10%, it is  $58, 0.008, 312.920$ .

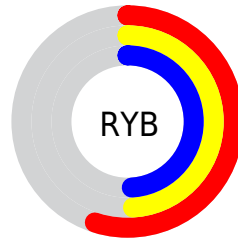
# Distribution



Red (55%)

Green (49%)

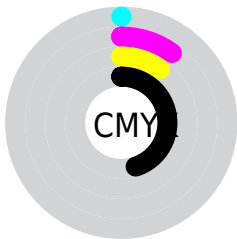
Blue (49%)



Red (55%)

Yellow (49%)

Blue (49%)

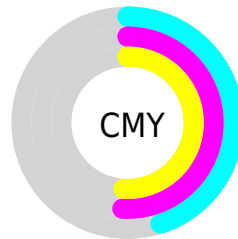


Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (45%)



Cyan (45%)

Magenta (51%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 5.674, 19.950 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, 5.674, 19.950 by changing the saturation by 10% instead.



 54, 5.674, 19.950       54, 5.674, 19.950

 100, 5.674, 19.950       44, 5.674, 19.950

 74, 5.674, 19.950       34, 5.674, 19.950

 84, 5.674, 19.950       24, 5.674, 19.950

 94, 5.674, 19.950       14, 5.674, 19.950

 4, 5.674, 19.950

 0, 5.674, 19.950

 54, 5.674, 19.950       54, 5.674, 19.950

 50, 11.784, 20.787       58, 0.008, 312.920

 46, 18.343, 21.810       62, 5.251, 199.023

42, 25.321, 23.127

67, 10.126,  
198.597

39, 32.635, 24.834

71, 14.663,  
198.273

35, 40.141, 27.031

33, 47.626, 29.793

75, 18.900,  
198.013

31, 54.794, 33.079

80, 22.873,  
197.801

29, 61.145, 36.528

28, 65.983, 39.037

84, 26.616,  
197.625

88, 30.156,  
197.479

93, 33.520,  
197.356

# Harmonies

# Complementary

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



54, 5.674, 19.950



57, 5.337, 198.973

# Rectangle

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



54, 5.674, 19.950



54, 5.674, 69.950



54, 5.674, 199.950



54, 5.674, 249.950

# Sweetspot

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



54, 5.673, 19.965



72, 2.045, 19.348



54, 9.778, 324.952



38, 1.567, 19.442



88, 0.010, 296.813



39, 0.006, 296.813



# Same Dimension

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



54, 5.673, 19.965



67, 8.470, 20.138



56, 4.886, 74.184



27, 3.148, 19.898



27, 63.127, 38.662



0, 1.414, 19.420





# Inverse Universe

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



57, 5.337, 198.973



72, 7.855, 198.845



55, 4.777, 256.740



29, 2.977, 199.024



50, 30.831, 196.413



1, 1.414, 199.437



# Previews

## White Background



This preview shows how the CIELCh color 54, 5.674, 19.950 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, 5.674, 19.950 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

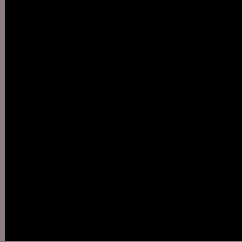
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

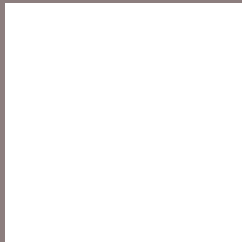
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 54, 5.674, 19.950

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 5.674, 19.950.

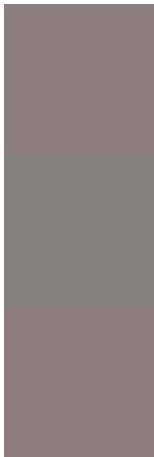


This preview shows how white text looks on a background with the CIELCh color 54, 5.674, 19.950.

# 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, 5.674, 19.950

### Protanopia

54, 1.649, 63.328

### Deuteranopia

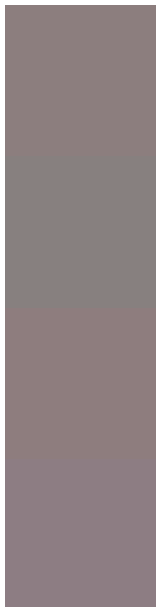
54, 7.342, 15.692



**Tritanopia**  
54, 8.219, 341.265



# Trichromacy



**Original Color**  
54, 5.674, 19.950

**Protanomaly**  
54, 2.865, 31.110

**Deuteranomaly**  
54, 6.930, 15.373

**Tritanomaly**  
54, 7.287, 351.955

# Monochromacy



**Original Color**  
54, 5.674, 19.950

**Achromatopsia**  
54, 0.007, 296.813

**Achromatomaly**  
54, 1.995, 19.416

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 5.674, 19.950 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(140, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(140, 126, 126)  
}
```

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(140, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 126, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 5.674, 19.950 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(140, 126, 126) }
```

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

```
.border{ border-color:rgb(140, 126, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 126, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 126, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 126, 126); box-shadow:4px 4px 4px 4px rgb(140, 126, 126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 5.674, 19.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 126, 126) }
```

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

```
.background{ background-color: rgb(140,  
126, 126) }
```

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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