

# Converting Colors

CIELCh(54, 12.243, 332.289)

Have a look what the booklet for  
CIELCh(54, 12.243, 332.289)  
contains.

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# Color

**CIELCh(54, 12.396, 332.796)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	907B8B
RGB	144, 123, 139
RGB Percent	56%, 48%, 55%
CMY	0.4351, 0.5175, 0.4547
CMYK	0.00, 0.15, 0.03, 0.44
HSL	314°, 9%, 52%
HSV	314°, 15%, 56%
XYZ	23.2603, 21.9746, 27.4577
YIQ	131.1030, 7.3800, 9.4280

# Conversions

## Conversions Part 2

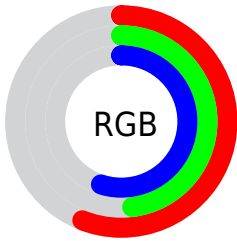
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	144, 123, 139
Decimal	9468811
CIE <sub>Lab</sub>	54.00, 11.02, -5.67
CIE <sub>LCh</sub>	54, 12.396, 332.796
Yxy	21.9746, 0.3200, 0.3023
Android (android.graphics.Color)	4287658891 (0xFF907B8B)
<b>YUV</b>	131.1030, 3.8932, 11.3107
Hunter-Lab	46.8770, 6.5367, -1.9145

# Details

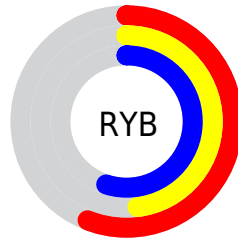
The CIELCh color  $54, 12.396, 332.796$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $58, 12.340, 150.938$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 11.924, 333.917$ , and  $34, 12.389, 332.093$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 20.966, 333.471$ , and if you desaturate by 10%, it is  $58, 3.867, 332.116$ .

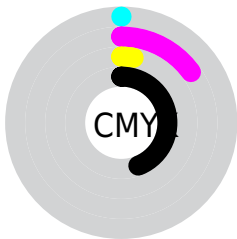
# Distribution



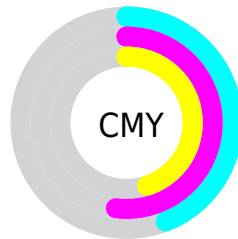
- Red (56%)
- Green (48%)
- Blue (55%)



- Red (56%)
- Yellow (48%)
- Blue (55%)



- Cyan (0%)
- Magenta (15%)
- Yellow (3%)
- Black (44%)




- Cyan (44%)
- Magenta (52%)
- Yellow (45%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 12.396, 332.796 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, 12.396, 332.796 by changing the saturation by 10% instead.





 54, 12.396,  
332.796


 54, 12.396,  
332.796

 100, 12.396,  
332.796


 44, 12.396,  
332.796


 74, 12.396,  
332.796

 34, 12.396,  
332.796

 84, 12.396,  
332.796

 24, 12.396,  
332.796

 94, 12.396,  
332.796

 14, 12.396,  
332.796

 4, 12.396, 332.796

 0, 12.396, 332.796

54, 12.396,  
332.796

54, 12.396,  
332.796

50, 20.966,  
333.471

58, 3.867, 332.116

47, 29.435,  
334.172

62, 4.520, 151.630

43, 37.589,  
334.905

66, 12.710,  
151.017

40, 45.139,  
335.679

70, 20.674,  
150.462

37, 51.735,  
336.507

74, 28.401,  
149.940

35, 57.001,  
337.412

79, 35.891,  
149.447


33, 60.614,  
338.429


83, 43.150,  
148.983

32, 62.438,

87, 50.191,  
148.546

339.601

 91, 57.025,  
148.133

 32, 63.110,  
340.266

# Harmonies

# Complementary

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



54, 12.396, 332.796



58, 12.340, 150.938

# Rectangle

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



54, 12.396, 332.796



54, 12.396, 22.796



54, 12.396, 152.796



54, 12.396, 202.796

# Sweetspot

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



54, 12.394, 332.797



74, 4.164, 332.078



53, 12.357, 300.254



39, 2.984, 332.131



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, 12.394, 332.797



67, 17.841, 332.982



54, 9.074, 359.668



28, 4.750, 332.437



30, 60.312, 340.178



1, 3.187, 331.895



# Inverse Universe

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



54, 12.394, 332.797



67, 17.841, 332.982



58, 8.671, 177.036



28, 4.750, 332.437



30, 60.312, 340.178

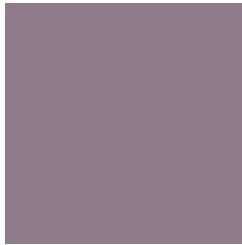


1, 3.187, 331.895



# Previews

## White Background



This preview shows how the CIELCh color 54, 12.396, 332.796 looks on a white background.

## Color Contrast Check

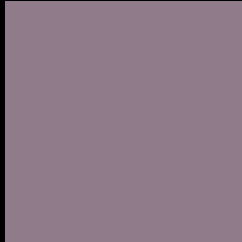
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.396, 332.796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

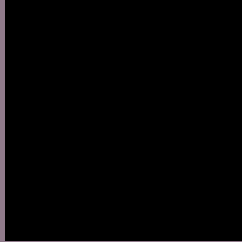
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 54, 12.396, 332.796**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 54, 12.396, 332.796.



This preview shows how white text looks on a background with the CIELCh color 54, 12.396, 332.796.

# 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, 12.396, 332.796

### Protanopia

54, 8.080, 291.169

### Deuteranopia

54, 9.378, 320.925





**Tritanopia**  
54, 9.516, 343.296

# Trichromacy



**Original Color**  
54, 12.396, 332.796

**Protanomaly**  
54, 9.234, 310.663

**Deuteranomaly**  
54, 10.717, 326.770

**Tritanomaly**  
54, 10.232, 338.119

# Monochromacy



**Original Color**  
54, 12.396, 332.796

**Achromatopsia**  
55, 0.007, 296.813

**Achromatomaly**  
54, 4.704, 332.654

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 12.396, 332.796 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(144, 123, 139)` looks like.

```
.text, #text, p{  
    color:rgb(144, 123, 139)  
}
```

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(144, 123, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 123, 139) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 12.396, 332.796 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(144, 123, 139) }
```

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

```
.border{ border-color:rgb(144, 123, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 123, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 123, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 123, 139);  
box-shadow:4px 4px 4px 4px rgb(144, 123,  
139) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 12.396, 332.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 123, 139) }
```

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

```
.background{ background-color: rgb(144,  
123, 139) }
```

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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