

# Converting Colors

CIELCh(54, 12.660, 320.971)

Have a look what the booklet for  
CIELCh(54, 12.660, 320.971)  
contains.

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**Color**

**CIELCh(54, 12.637, 320.632)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8C7C8F
RGB	140, 124, 143
RGB Percent	55%, 49%, 56%
CMY	0.4510, 0.5137, 0.4392
CMYK	0.02, 0.13, 0.00, 0.44
HSL	291°, 8%, 52%
HSV	291°, 13%, 56%
XYZ	22.9814, 21.9746, 29.0175
YIQ	130.9500, 3.4370, 9.3010

# Conversions

## Conversions Part 2

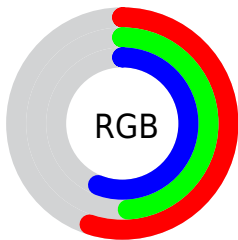
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 124, 143
Decimal	9206927
CIE Lab	54.00, 9.77, -8.02
CIE LCh	54, 12.637, 320.632
Yxy	21.9746, 0.3107, 0.2971
Android (android.graphics.Color)	4287397007 (0xFF8C7C8F)
YUV	130.9500, 5.9407, 7.9369
Hunter-Lab	46.8770, 5.4745, -3.8873

# Details

The CIELCh color  $54, 12.637, 320.632$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $58, 12.568, 139.430$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 12.541, 320.732$ , and  $34, 12.938, 320.606$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 22.272, 321.085$ , and if you desaturate by 10%, it is  $58, 3.102, 320.145$ .

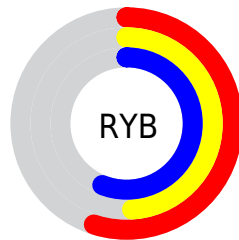
# Distribution



Red (55%)

Green (49%)

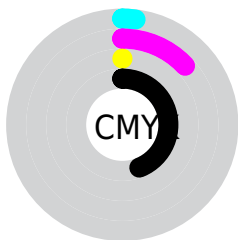
Blue (56%)



Red (55%)

Yellow (49%)

Blue (56%)

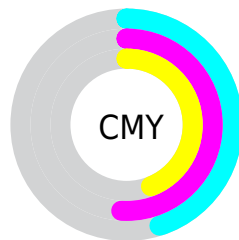


Cyan (2%)

Magenta (13%)

Yellow (0%)

Black (44%)



Cyan (45%)

Magenta (51%)


Yellow (44%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 12.637, 320.632 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, 12.637, 320.632 by changing the saturation by 10% instead.





 54, 12.637,  
320.632


 54, 12.637,  
320.632


 100, 12.637,  
320.632

 44, 12.637,  
320.632


 74, 12.637,  
320.632

 34, 12.637,  
320.632

 84, 12.637,  
320.632

 24, 12.637,  
320.632

 94, 12.637,  
320.632

 14, 12.637,  
320.632

 4, 12.637, 320.632

 0, 12.637, 320.632

54, 12.637,  
320.632

54, 12.637,  
320.632

50, 22.272,  
321.085

58, 3.102, 320.145

46, 31.889,  
321.524

62, 6.252, 139.794

43, 41.302,  
321.932

66, 15.380,  
139.364

39, 50.254,  
322.284

71, 24.260,  
138.969

36, 58.407,  
322.551

75, 32.884,  
138.602

34, 65.368,  
322.699

79, 41.252,  
138.262

32, 70.747,  
322.691


83, 49.371,  
137.949

30, 74.275,

87, 57.251,  
137.661

322.501

 91, 64.903,  
137.398

 29, 76.088,  
322.324

# Harmonies

# Complementary

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



54, 12.637, 320.632



58, 12.568, 139.430

# Rectangle

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



54, 12.637, 320.632



54, 12.637, 10.632



54, 12.637, 140.632



54, 12.637, 190.632

# Sweetspot

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



54, 12.635, 320.632



74, 4.686, 320.191



53, 9.201, 283.889



39, 3.358, 320.228



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, 12.635, 320.632



68, 18.910, 320.771



54, 10.487, 336.559



28, 5.347, 320.442



28, 73.021, 322.353



1, 3.586, 320.052



# Inverse Universe

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



54, 7.894, 7.665



67, 11.889, 7.991



58, 10.411, 154.737



28, 3.313, 7.242



27, 58.784, 30.974



0, 2.183, 6.509



# Previews

## White Background



This preview shows how the CIELCh color 54, 12.637, 320.632 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 CIELCh color 54, 12.637, 320.632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

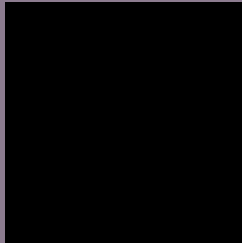
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 54, 12.637, 320.632

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 12.637, 320.632.



This preview shows how white text looks on a background with the CIELCh color 54, 12.637, 320.632.

# 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, 12.637, 320.632

### Protanopia

54, 10.385, 289.384

### Deuteranopia

54, 10.447, 310.587





**Tritanopia**  
54, 8.017, 334.340

# Trichromacy



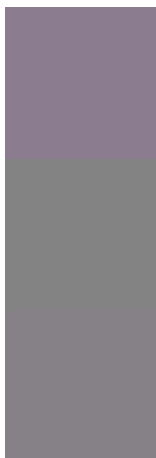
**Original Color**  
54, 12.637, 320.632

**Protanomaly**  
54, 10.591, 301.720

**Deuteranomaly**  
54, 11.422, 315.168

**Tritanomaly**  
54, 9.326, 326.953

# Monochromacy



**Original Color**  
54, 12.637, 320.632

**Achromatopsia**  
55, 0.007, 296.813

**Achromatomaly**  
54, 4.697, 320.687

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 12.637, 320.632 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, 124, 143)` looks like.

```
.text, #text, p{  
    color:rgb(140, 124, 143)  
}
```

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, 124, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 124, 143) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 12.637, 320.632 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, 124, 143) }
```

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

```
.border{ border-color:rgb(140, 124, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 124, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 124, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 124, 143);  
box-shadow:4px 4px 4px 4px rgb(140, 124,  
143) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 12.637, 320.632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 124, 143) }
```

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

```
.background{ background-color: rgb(140,  
124, 143) }
```

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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