

# Converting Colors

CIELCh(54, 35.750, 319.250)

Have a look what the booklet for  
CIELCh(54, 35.750, 319.250)  
contains.

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**Color**

**CIELCh(54, 35.750, 319.250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9D72AA
RGB	157, 114, 170
RGB Percent	62%, 45%, 67%
CMY	0.3858, 0.5543, 0.3348
CMYK	0.08, 0.33, 0.00, 0.33
HSL	286°, 25%, 56%
HSV	286°, 33%, 67%
XYZ	27.0304, 21.9746, 40.6622
YIQ	133.2410, 7.6520, 26.5320

# Conversions

## Conversions Part 2

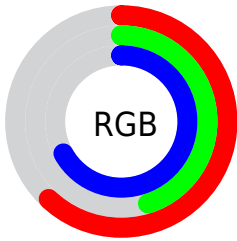
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	157, 114, 170
Decimal	10318506
CIE <sub>Lab</sub>	54.00, 27.08, -23.34
CIE <sub>LCh</sub>	54, 35.750, 319.250
Yxy	21.9746, 0.3015, 0.2451
Android (android.graphics.Color)	4288508586 (0xFF9D72AA)
YUV	133.2410, 18.1222, 20.8366
Hunter-Lab	46.8770, 20.8924, -18.6156

# Details

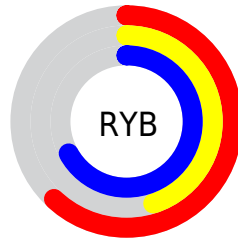
The CIELCh color  $54, 35.750, 319.250$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $65, 35.127, 136.162$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 35.777, 319.350$ , and  $34, 36.022, 319.262$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 46.520, 319.651$ , and if you desaturate by 10%, it is  $59, 24.819, 318.820$ .

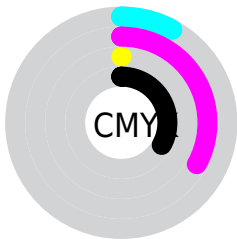
# Distribution



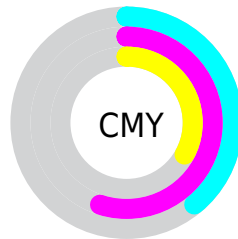
- Red (62%)
- Green (45%)
- Blue (67%)



- Red (62%)
- Yellow (45%)
- Blue (67%)



- Cyan (8%)
- Magenta (33%)
- Yellow (0%)
- Black (33%)




- Cyan (39%)
- Magenta (55%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 35.750, 319.250 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, 35.750, 319.250 by changing the saturation by 10% instead.





 54, 35.750,  
319.250


 54, 35.750,  
319.250


 100, 35.750,  
319.250


 44, 35.750,  
319.250


 74, 35.750,  
319.250

 34, 35.750,  
319.250

 84, 35.750,  
319.250

 24, 35.750,  
319.250

 94, 35.750,  
319.250

 14, 35.750,  
319.250

 4, 35.750, 319.250

 0, 35.750, 319.250

54, 35.750,  
319.250

54, 35.750,  
319.250

50, 46.520,  
319.651

59, 24.819,  
318.820

46, 56.853,  
319.994

63, 13.924,  
318.380

42, 66.360,  
320.244

68, 3.186, 317.910

73, 7.324, 137.580

39, 74.563,  
320.353

78, 17.564,  
137.179

36, 80.957,  
320.271


83, 27.517,  
136.815

34, 85.162,  
319.955

88, 37.179,  
136.481

33, 87.184,  
319.640

92, 46.555,  
136.176

 94, 49.145,  
135.191

# Harmonies

# Complementary

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



54, 35.750, 319.250



65, 35.127, 136.162

# Rectangle

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



54, 35.750, 319.250



54, 35.750, 9.250



54, 35.750, 139.250



54, 35.750, 189.250

# Sweetspot

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



54, 35.748, 319.250



82, 13.169, 318.255



54, 25.014, 283.134



42, 8.982, 318.314



94, 0.011, 296.813



46, 0.006, 296.813





# Same Dimension

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



54, 35.748, 319.250



65, 53.379, 319.563



55, 31.499, 335.245



33, 6.003, 318.214



29, 78.798, 319.727



1, 10.667, 315.761



# Inverse Universe

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



54, 24.058, 4.557



65, 36.347, 5.802



65, 31.238, 150.349



33, 3.898, 1.624



30, 60.168, 25.849

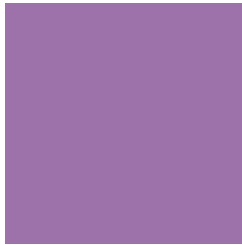


1, 6.869, 3.257



# Previews

## White Background



This preview shows how the CIELCh color 54, 35.750, 319.250 looks on a white background.

## Color Contrast Check

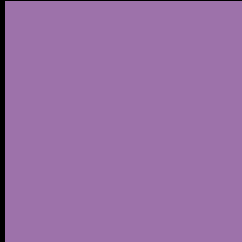
Large Text (above 18pt) WCAG AA ✓ Pass

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, 35.750, 319.250 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, 35.750, 319.250

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 35.750, 319.250.



This preview shows how white text looks on a background with the CIELCh color 54, 35.750, 319.250.

# 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, 35.750, 319.250

### Protanopia

54, 30.152, 284.541

### Deuteranopia

54, 23.088, 288.671





**Tritanopia**  
54, 13.382, 355.616

# Trichromacy



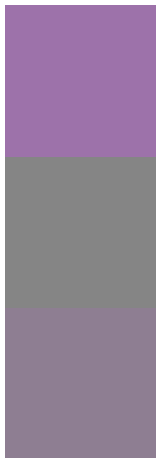
**Original Color**  
54, 35.750, 319.250

**Protanomaly**  
54, 30.730, 297.558

**Deuteranomaly**  
54, 27.068, 303.005

**Tritanomaly**  
54, 20.633, 332.998

# Monochromacy



**Original Color**  
54, 35.750, 319.250

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 13.102, 319.388

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 35.750, 319.250 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(157, 114, 170)` looks like.

```
.text, #text, p{  
    color:rgb(157, 114, 170)  
}
```

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(157, 114, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 114, 170) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 35.750, 319.250 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(157, 114, 170) }
```

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

```
.border{ border-color:rgb(157, 114, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 114, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 114, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 114, 170);  
box-shadow:4px 4px 4px 4px rgb(157, 114,  
170) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 35.750, 319.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 114, 170) }
```

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

```
.background{ background-color: rgb(157,  
114, 170) }
```

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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