

# Converting Colors

CIELCh(54, 28.425, 327.953)

Have a look what the booklet for  
CIELCh(54, 28.425, 327.953)  
contains.

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**Color**

**CIELCh(54, 28.328, 328.560)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F739B
RGB	159, 115, 155
RGB Percent	62%, 45%, 61%
CMY	0.3767, 0.5493, 0.3924
CMYK	0.00, 0.28, 0.03, 0.38
HSL	305°, 19%, 54%
HSV	305°, 28%, 62%
XYZ	26.3181, 21.9746, 33.8344
YIQ	132.7160, 13.3840, 21.7680

# Conversions

## Conversions Part 2

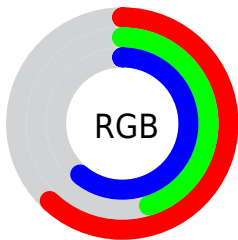
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 115, 155
Decimal	10449819
CIE <sub>Lab</sub>	54.00, 24.17, -14.78
CIE <sub>LCh</sub>	54, 28.328, 328.560
Yxy	21.9746, 0.3205, 0.2676
Android (android.graphics.Color)	4288639899 (0xFF9F739B)
YUV	132.7160, 10.9860, 23.0511
Hunter-Lab	46.8770, 18.1801, -9.9797

# Details

The CIELCh color  $54, 28.328, 328.560$  is a dark color, and the websafe version is hex  $996699$ . A complement of this color would be  $61, 28.295, 145.094$ , and the grayscale version is  $55, 0.007, 296.813$ .

A 20% lighter version of the original color is  $74, 28.342, 328.741$ , and  $34, 28.554, 328.526$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 38.341, 329.130$ , and if you desaturate by 10%, it is  $58, 18.083, 327.984$ .

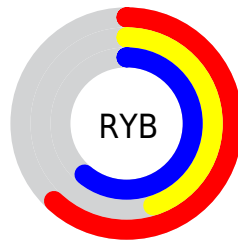
# Distribution



Red (62%)

Green (45%)

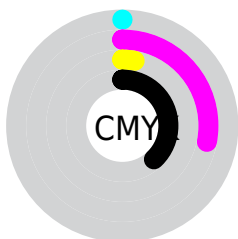
Blue (61%)



Red (62%)

Yellow (45%)

Blue (61%)

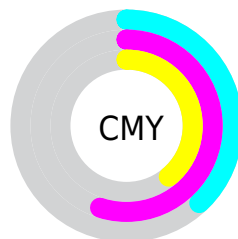


Cyan (0%)

Magenta (28%)

Yellow (3%)

Black (38%)



Cyan (38%)

Magenta (55%)

Yellow (39%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 54, 28.328, 328.560 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, 28.328, 328.560 by changing the saturation by 10% instead.



 54, 28.328,  
328.560

 54, 28.328,  
328.560

 100, 28.328,  
328.560

 44, 28.328,  
328.560


 74, 28.328,  
328.560

 34, 28.328,  
328.560

 84, 28.328,  
328.560

 24, 28.328,  
328.560

 94, 28.328,  
328.560

 14, 28.328,  
328.560

 4, 28.328, 328.560

 0, 28.328, 328.560

54, 28.328,  
328.560

54, 28.328,  
328.560

50, 38.341,  
329.130

58, 18.083,  
327.984

47, 47.846,  
329.686

62, 7.818, 327.399

44, 56.485,  
330.218

66, 2.331, 146.973

41, 63.851,  
330.722

71, 12.275,  
146.351

39, 69.555,  
331.194

75, 21.962,  
145.824

38, 73.321,  
331.640

80, 31.368,  
145.324


37, 75.259,  
332.069

84, 40.485,  
144.852

37, 75.635,

89, 49.316,  
144.406

332.167

 92, 56.178,  
144.143

# Harmonies

# Complementary

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



54, 28.328, 328.560



61, 28.295, 145.094

# Rectangle

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



54, 28.328, 328.560



54, 28.328, 18.560



54, 28.328, 148.560



54, 28.328, 198.560

# Sweetspot

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



54, 28.326, 328.560



79, 10.083, 327.427



50, 25.825, 296.233



41, 7.229, 327.513



92, 0.011, 296.813



44, 0.006, 296.813





# Same Dimension

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



54, 28.326, 328.560



66, 41.699, 328.900



53, 20.487, 351.101



31, 5.736, 327.492



33, 69.982, 332.128



1, 7.363, 327.577



# Inverse Universe

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



54, 28.326, 328.560



66, 41.699, 328.900



62, 19.493, 165.814



31, 5.736, 327.492



33, 69.982, 332.128

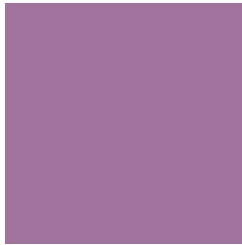


1, 7.363, 327.577



# Previews

## White Background



This preview shows how the CIELCh color 54, 28.328, 328.560 looks on a white background.

## Color Contrast Check

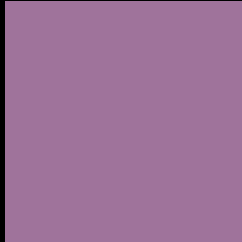
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.328, 328.560 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, 28.328, 328.560

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 28.328, 328.560.



This preview shows how white text looks on a background with the CIELCh color 54, 28.328, 328.560.

# 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, 28.328, 328.560

### Protanopia

54, 20.859, 285.042

### Deuteranopia

54, 15.737, 298.761





**Tritanopia**  
54, 15.115, 1.292

# Trichromacy



**Original Color**  
54, 28.328, 328.560

**Protanomaly**  
54, 22.402, 302.942

**Deuteranomaly**  
54, 19.879, 313.151

**Tritanomaly**  
54, 18.905, 344.329

# Monochromacy



**Original Color**  
54, 28.328, 328.560

**Achromatopsia**  
56, 0.007, 296.813

**Achromatomaly**  
55, 10.689, 326.762

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 28.328, 328.560 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(159, 115, 155)` looks like.

```
.text, #text, p{  
    color:rgb(159, 115, 155)  
}
```

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(159, 115, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 115, 155) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 28.328, 328.560 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(159, 115, 155) }
```

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

```
.border{ border-color:rgb(159, 115, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 115, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 115, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 115, 155); box-shadow:4px 4px 4px 4px rgb(159, 115, 155) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 28.328, 328.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 115, 155) }
```

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

```
.background{ background-color: rgb(159,  
115, 155) }
```

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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