

# Converting Colors

CIELCh(49, 9.647, 321.985)

Have a look what the booklet for  
CIELCh(49, 9.647, 321.985) contains.

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# Color

**CIELCh(49, 9.538, 320.966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7D717F
RGB	125, 113, 127
RGB Percent	49%, 44%, 50%
CMY	0.5111, 0.5582, 0.5033
CMYK	0.02, 0.11, 0.00, 0.50
HSL	291°, 6%, 47%
HSV	291°, 11%, 50%
XYZ	18.0847, 17.5941, 22.4054
YIQ	118.1840, 2.6580, 6.8980

# Conversions

## Conversions Part 2

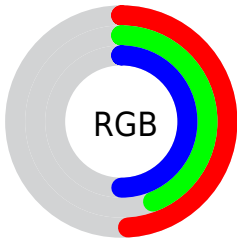
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 113, 127
Decimal	8221055
CIE Lab	49.00, 7.41, -6.01
CIE LCh	49, 9.538, 320.966
Yxy	17.5941, 0.3114, 0.3029
Android (android.graphics.Color)	4286411135 (0xFF7D717F)
YUV	118.1840, 4.3463, 5.9776
Hunter-Lab	41.9453, 3.5558, -2.3086

# Details

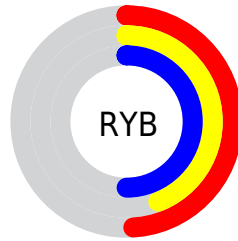
The CIELCh color  $49, 9.538, 320.966$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $52, 9.494, 139.983$ , and the grayscale version is  $50, 0.007, 296.813$ .

A 20% lighter version of the original color is  $69, 9.598, 321.130$ , and  $29, 9.647, 320.855$  is the 20% darker color. If you saturate the color by 10%, you get  $45, 18.280, 321.422$ , and if you desaturate by 10%, it is  $53, 0.900, 320.360$ .

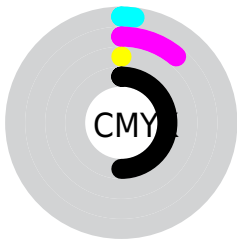
# Distribution



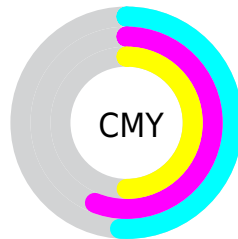
- Red (49%)
- Green (44%)
- Blue (50%)



- Red (49%)
- Yellow (44%)
- Blue (50%)



- Cyan (2%)
- Magenta (11%)
- Yellow (0%)
- Black (50%)



- Cyan (51%)
- Magenta (56%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 9.538, 320.966 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 49, 9.538, 320.966 by changing the saturation by 10% instead.



■ 49, 9.538, 320.966

■ 49, 9.538, 320.966

■ 100, 9.538,  
320.966

■ 39, 9.538, 320.966

■ 69, 9.538, 320.966

■ 29, 9.538, 320.966

■ 79, 9.538, 320.966

■ 19, 9.538, 320.966

■ 89, 9.538, 320.966

■ 9, 9.538, 320.966

■ 99, 9.538, 320.966

■ 0, 9.538, 320.966

■ 49, 9.538, 320.966

■ 49, 9.538, 320.966

■ 45, 18.280,  
321.422

■ 53, 0.900, 320.360

■ 42, 27.029,

■ 56, 7.566, 140.127

321.866

60, 15.825,  
139.704

39, 35.633,  
322.284

64, 23.858,  
139.311

36, 43.877,  
322.654

68, 31.660,  
138.945

33, 51.479,  
322.952

72, 39.232,  
138.605

30, 58.101,  
323.145

75, 46.579,  
138.291

28, 63.396,  
323.203

79, 53.712,  
138.002

27, 67.088,  
323.096

83, 60.640,  
137.738

26, 69.547,  
322.922

# Harmonies

# Complementary

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



49, 9.538, 320.966



52, 9.494, 139.983

# Rectangle

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



49, 9.538, 320.966



49, 9.538, 10.966



49, 9.538, 140.966



49, 9.538, 190.966

# Sweetspot

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



49, 9.536, 320.966



67, 3.210, 320.566



49, 7.032, 284.491



35, 2.453, 320.611



85, 0.010, 296.813



36, 0.005, 296.813



# Same Dimension

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



49, 9.536, 320.966



62, 14.007, 321.070



49, 7.788, 337.112



25, 4.885, 320.875



26, 69.880, 322.918



0, 0.000, 0.000





# Inverse Universe

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



49, 5.880, 8.591



62, 8.680, 8.820



52, 7.734, 155.629



25, 3.000, 8.397



26, 56.734, 31.669



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 49, 9.538, 320.966 looks on a white background.

## Color Contrast Check

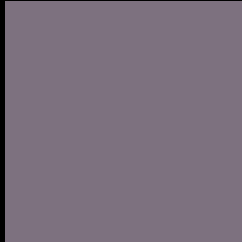
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 49, 9.538, 320.966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

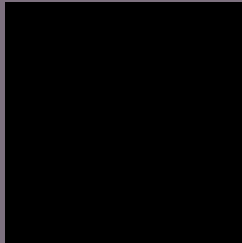
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**CIELCh 49, 9.538, 320.966**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 49, 9.538, 320.966.



This preview shows how white text looks on a background with the CIELCh color 49, 9.538, 320.966.

# 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


49, 9.538, 320.966

### Protanopia

49, 7.639, 288.296

### Deuteranopia

49, 9.171, 316.614



**Tritanopia**  
49, 6.919, 330.389



# Trichromacy



## Original Color

49, 9.538, 320.966

## Protanomaly

49, 7.823, 302.659

## Deuteranomaly

49, 9.348, 318.829

## Tritanomaly

49, 7.848, 324.883

# Monochromacy



## Original Color

49, 9.538, 320.966

## Achromatopsia

50, 0.007, 296.813

## Achromatomaly

49, 3.363, 318.942

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 49, 9.538, 320.966 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(125, 113, 127)` looks like.

```
.text, #text, p{  
    color:rgb(125, 113, 127)  
}
```

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(125, 113, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 113, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 49, 9.538, 320.966 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(125, 113, 127) }
```

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

```
.border{ border-color:rgb(125, 113, 127) }
```

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

Here you see how a box with a 4 pixel rgb(125, 113, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 113, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 113, 127);  
box-shadow:4px 4px 4px 4px rgb(125, 113,  
127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 49, 9.538, 320.966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 113, 127) }
```

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

```
.background{ background-color: rgb(125,  
113, 127) }
```

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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