

# Converting Colors

CIELCh(52, 9.583, 37.402)

Have a look what the booklet for  
CIELCh(52, 9.583, 37.402) contains.

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**Color**

**CIELCh(52, 9.695, 37.597)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8D7772
RGB	141, 119, 114
RGB Percent	55%, 47%, 45%
CMY	0.4462, 0.5325, 0.5521
CMYK	0.00, 0.16, 0.19, 0.45
HSL	11°, 11%, 50%
HSV	11°, 19%, 55%
XYZ	20.6917, 20.1443, 18.7787
YIQ	125.0080, 14.7170, 3.1090

# Conversions

## Conversions Part 2

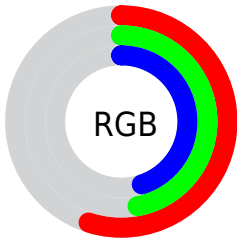
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 120, 114
Decimal	9271154
CIELab	52.00, 7.68, 5.91
CIElCh	52, 9.695, 37.597
Yxy	20.1443, 0.3471, 0.3379
Android (android.graphics.Color)	4287461234 (0xFF8D7772)
YUV	125.0080, -5.4269, 14.0250
Hunter-Lab	44.8824, 3.7480, 6.6109

# Details

The CIELCh color  $52, 9.695, 37.597$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $55, 8.575, 218.349$ , and the grayscale version is  $53, 0.007, 296.813$ .

A 20% lighter version of the original color is  $72, 9.735, 36.227$ , and  $32, 9.441, 40.040$  is the 20% darker color. If you saturate the color by 10%, you get  $49, 15.375, 37.722$ , and if you desaturate by 10%, it is  $55, 4.443, 37.584$ .

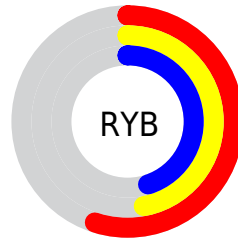
# Distribution



Red (55%)

Green (47%)

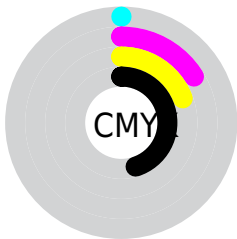
Blue (45%)



Red (55%)

Yellow (47%)

Blue (45%)

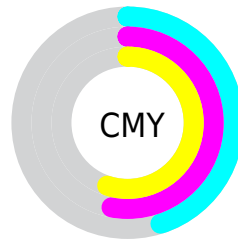


Cyan (0%)

Magenta (16%)

Yellow (19%)

Black (45%)



Cyan (45%)

Magenta (53%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 9.695, 37.597 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 52, 9.695, 37.597 by changing the saturation by 10% instead.



 52, 9.695, 37.597       52, 9.695, 37.597

 100, 9.695, 37.597       42, 9.695, 37.597

 72, 9.695, 37.597       32, 9.695, 37.597

 82, 9.695, 37.597       22, 9.695, 37.597

 92, 9.695, 37.597       12, 9.695, 37.597

 2, 9.695, 37.597

 0, 9.695, 37.597

 52, 9.695, 37.597       52, 9.695, 37.597

 49, 15.375, 37.722       55, 4.443, 37.584

 45, 21.507, 37.988       59, 0.411, 218.831

42, 28.092, 38.449

63, 4.906, 218.084

39, 35.094, 39.140

66, 9.081, 218.291

37, 42.413, 40.071

70, 12.972,  
218.562

34, 49.832, 41.180

73, 16.614,  
218.865

32, 56.872, 42.232

31, 62.911, 43.063

77, 20.037,  
219.187

30, 63.406, 43.161

81, 23.268,  
219.520

84, 26.330,  
219.858

# Harmonies

# Complementary

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



52, 9.695, 37.597



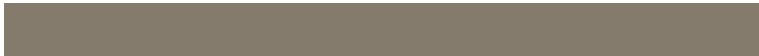
55, 8.575, 218.349

# Rectangle

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



52, 9.695, 37.597



52, 9.695, 87.597



52, 9.695, 217.597



52, 9.695, 267.597

# Sweetspot

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



52, 9.694, 37.608



72, 3.576, 37.564



51, 16.662, 331.092



37, 2.369, 37.570



88, 0.010, 296.813



39, 0.006, 296.813



# Same Dimension

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



52, 9.694, 37.608



65, 14.700, 37.642



56, 11.119, 90.102



28, 2.775, 37.584



29, 61.126, 43.058



1, 1.813, 37.780





# Inverse Universe

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



55, 8.575, 218.349



70, 12.605, 218.533



51, 11.116, 275.029



29, 2.624, 218.072



43, 27.220, 231.327



1, 1.813, 217.799



# Previews

## White Background



This preview shows how the CIELCh color 52, 9.695, 37.597 looks on a white background.

## Color Contrast Check

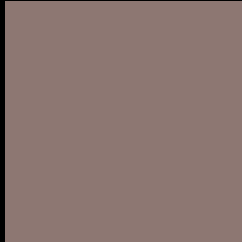
Large Text (above 18pt) WCAG AA ✓ Pass

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 52, 9.695, 37.597 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 52, 9.695, 37.597

## Background



This preview shows how black text looks on a background with the CIELCh color 52, 9.695, 37.597.



This preview shows how white text looks on a background with the CIELCh color 52, 9.695, 37.597.

# 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

52, 9.695, 37.597

### Protanopia

52, 4.354, 87.550

### Deuteranopia

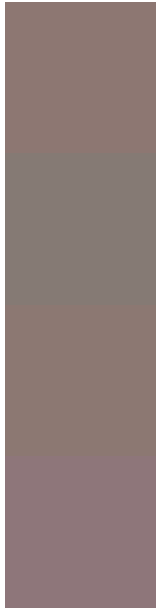
52, 9.094, 42.520



**Tritanopia**  
52, 11.756, 354.557



# Trichromacy



**Original Color**  
52, 9.695, 37.597

**Protanomaly**  
52, 5.718, 57.012

**Deuteranomaly**  
52, 9.094, 42.520

**Tritanomaly**  
52, 10.106, 7.376

# Monochromacy



**Original Color**  
52, 9.695, 37.597

**Achromatopsia**  
52, 0.007, 296.813

**Achromatomaly**  
52, 3.444, 39.219

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 52, 9.695, 37.597 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(141, 119, 114)` looks like.

```
.text, #text, p{  
    color:rgb(141, 119, 114)  
}
```

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(141, 119, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 119, 114) }
```

## Border

The CSS property to change the border of an element to CIELCh 52, 9.695, 37.597 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(141, 119, 114) }
```

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

```
.border{ border-color:rgb(141, 119, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 119, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 119, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 119, 114);  
box-shadow:4px 4px 4px 4px rgb(141, 119,  
114) }
```

# Background

The CSS property to change the background color of an element to CIELCh 52, 9.695, 37.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 119, 114) }
```

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

```
.background{ background-color: rgb(141,  
119, 114) }
```

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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