

# Converting Colors

CIELCh(53, 6.946, 60.578)

Have a look what the booklet for  
CIELCh(53, 6.946, 60.578) contains.

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# Color

**CIELCh(53, 7.107, 60.118)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	897C74
RGB	137, 124, 116
RGB Percent	54%, 49%, 45%
CMY	0.4622, 0.5132, 0.5445
CMYK	0.00, 0.09, 0.15, 0.46
HSL	23°, 8%, 50%
HSV	23°, 15%, 54%
XYZ	20.7268, 21.0462, 19.5360
YIQ	126.9750, 10.3160, 0.2680

# Conversions

## Conversions Part 2

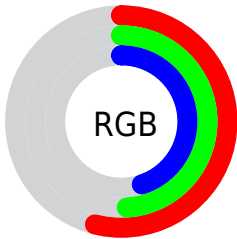
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	137, 129, 116
Decimal	9010292
CIE <sub>Lab</sub>	53.00, 3.54, 6.16
CIE <sub>LCh</sub>	53, 7.107, 60.118
Yxy	21.0462, 0.3381, 0.3433
Android (android.graphics.Color)	4287200372 (0xFF897C74)
YUV	126.9750, -5.4107, 8.7919
Hunter-Lab	45.8761, 0.3628, 6.8650

# Details

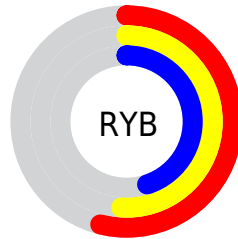
The CIELCh color  $53, 7.107, 60.118$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $53, 6.652, 243.298$ , and the grayscale version is  $53, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 6.917, 58.356$ , and  $33, 7.082, 58.195$  is the 20% darker color. If you saturate the color by 10%, you get  $50, 12.133, 59.259$ , and if you desaturate by 10%, it is  $56, 2.389, 60.956$ .

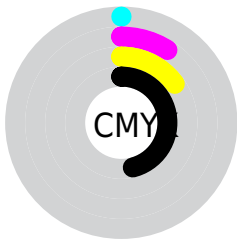
# Distribution



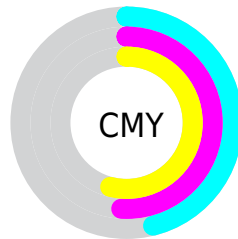
- Red (54%)
- Green (49%)
- Blue (45%)



- Red (54%)
- Yellow (51%)
- Blue (45%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (46%)



- Cyan (46%)
- Magenta (51%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 7.107, 60.118 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 53, 7.107, 60.118 by changing the saturation by 10% instead.



 53, 7.107, 60.118       53, 7.107, 60.118

 100, 7.107, 60.118       43, 7.107, 60.118

 73, 7.107, 60.118       33, 7.107, 60.118

 83, 7.107, 60.118       23, 7.107, 60.118

 93, 7.107, 60.118       13, 7.107, 60.118

 3, 7.107, 60.118

 0, 7.107, 60.118

 53, 7.107, 60.118       53, 7.107, 60.118

 50, 12.133, 59.259       56, 2.389, 60.956

 48, 17.490, 58.411       58, 2.051, 242.200

45, 23.195, 57.608

61, 6.243, 243.019

43, 29.236, 56.855

64, 10.214,  
243.921

40, 35.560, 56.139

67, 13.992,  
244.820

38, 42.019, 55.399

36, 48.280, 54.487

70, 17.598,  
245.702

34, 53.803, 53.172

72, 21.055,  
246.562

34, 56.547, 52.851

75, 24.380,  
247.394

78, 27.589,  
248.197

# Harmonies

# Complementary

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



53, 7.107, 60.118



53, 6.652, 243.298

# Rectangle

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



53, 7.107, 60.118



53, 7.107, 110.118



53, 7.107, 240.118



53, 7.107, 290.118

# Sweetspot

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



53, 7.107, 60.133



71, 2.784, 60.969



51, 11.429, 338.192



37, 1.896, 60.929



87, 0.010, 296.813



38, 0.005, 296.813



# Same Dimension

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



53, 7.107, 60.133



67, 10.461, 59.863



56, 10.427, 102.527



28, 2.576, 60.663



32, 55.074, 52.938



1, 1.167, 61.587





# Inverse Universe

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



53, 6.652, 243.298



67, 9.646, 243.686



50, 10.674, 285.895



28, 2.482, 242.607



33, 34.211, 268.109



1, 1.167, 241.604



# Previews

## White Background



This preview shows how the CIELCh color 53, 7.107, 60.118 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 53, 7.107, 60.118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

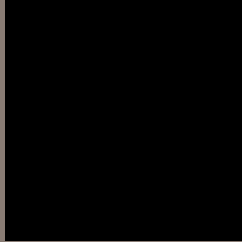
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 53, 7.107, 60.118

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 7.107, 60.118.



This preview shows how white text looks on a background with the CIELCh color 53, 7.107, 60.118.

# 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

53, 7.107, 60.118

### Protanopia

53, 5.569, 87.851

### Deuteranopia

53, 9.236, 38.347



**Tritanopia**  
53, 8.567, 343.037



# Trichromacy



**Original Color**  
53, 7.107, 60.118

**Protanomaly**  
53, 5.662, 73.958

**Deuteranomaly**  
53, 8.264, 44.711

**Tritanomaly**  
53, 6.312, 4.183

# Monochromacy



**Original Color**  
53, 7.107, 60.118

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
53, 2.647, 60.170

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 7.107, 60.118 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(137, 124, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 124, 116)  
}
```

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(137, 124, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 124, 116) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 7.107, 60.118 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(137, 124, 116) }
```

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

```
.border{ border-color:rgb(137, 124, 116) }
```

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

Here you see how a box with a 4 pixel rgb(137, 124, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 124, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 124, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 124,  
116) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 7.107, 60.118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 124, 116) }
```

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

```
.background{ background-color: rgb(137,  
124, 116) }
```

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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