

# Converting Colors

CIELCh(53, 3.939, 96.057)

Have a look what the booklet for  
CIELCh(53, 3.939, 96.057) contains.

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# Color

**CIELCh(53, 3.657, 90.251)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	817E78
RGB	129, 126, 120
RGB Percent	51%, 49%, 47%
CMY	0.4930, 0.5048, 0.5283
CMYK	0.00, 0.02, 0.07, 0.49
HSL	40°, 4%, 49%
HSV	40°, 7%, 51%
XYZ	20.0005, 21.0462, 20.8667
YIQ	126.2130, 3.7140, -1.2300

# Conversions

## Conversions Part 2

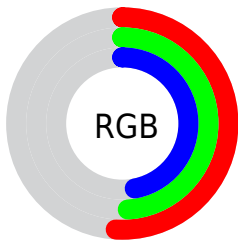
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	125, 129, 120
Decimal	8486520
CIE Lab	53.00, -0.02, 3.66
CIE LCh	53, 3.657, 90.251
Yxy	21.0462, 0.3230, 0.3399
Android (android.graphics.Color)	4286676600 (0xFF817E78)
YUV	126.2130, -3.0630, 2.4442
Hunter-Lab	45.8761, -2.4629, 5.1452

# Details

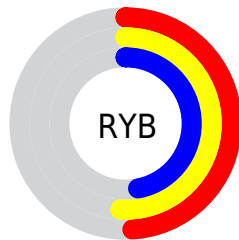
The CIELCh color  $53, 3.657, 90.251$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $52, 3.664, 272.048$ , and the grayscale version is  $53, 0.007, 296.813$ .

A 20% lighter version of the original color is  $73, 3.941, 92.990$ , and  $33, 3.406, 86.467$  is the 20% darker color. If you saturate the color by 10%, you get  $51, 9.012, 89.081$ , and if you desaturate by 10%, it is  $55, 1.588, 271.610$ .

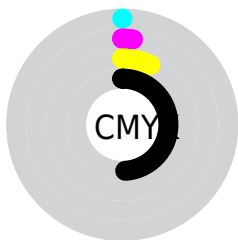
# Distribution



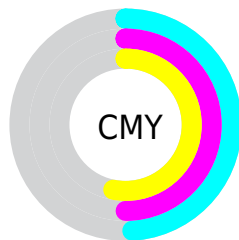
- Red (51%)
- Green (49%)
- Blue (47%)



- Red (49%)
- Yellow (51%)
- Blue (47%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 3.657, 90.251 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, 3.657, 90.251 by changing the saturation by 10% instead.




 53, 3.657, 90.251       53, 3.657, 90.251

 100, 3.657, 90.251       43, 3.657, 90.251

 73, 3.657, 90.251       33, 3.657, 90.251

 83, 3.657, 90.251       23, 3.657, 90.251

 93, 3.657, 90.251       13, 3.657, 90.251

 3, 3.657, 90.251

 0, 3.657, 90.251

 53, 3.657, 90.251       53, 3.657, 90.251

 51, 9.012, 89.081       55, 1.588, 271.610

 50, 14.470, 87.827       56, 6.727, 272.658

48, 20.018, 86.533

58, 11.767,  
273.732

47, 25.617, 85.201

59, 16.713,  
274.763

46, 31.193, 83.826

44, 36.603, 82.389

61, 21.572,  
275.747

43, 41.596, 80.847

63, 26.352,  
276.682

42, 45.770, 79.112

41, 48.886, 77.136

64, 31.059,  
277.569

66, 35.699,  
278.410

68, 40.276,  
279.205

# Harmonies

# Complementary

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



53, 3.657, 90.251



52, 3.664, 272.048

# Rectangle

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



53, 3.657, 90.251



53, 3.657, 140.251



53, 3.657, 270.251



53, 3.657, 320.251

# Sweetspot

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



53, 3.658, 90.273



69, 1.291, 90.742



51, 4.038, 354.229



36, 0.730, 90.746



85, 0.010, 296.813



36, 0.005, 296.813



# Same Dimension

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



53, 3.658, 90.273



67, 5.221, 90.133



54, 5.212, 116.227



26, 2.935, 90.029



40, 49.409, 76.633



0, 0.000, 0.000





# Inverse Universe

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



52, 3.664, 272.048



66, 5.225, 272.201



51, 5.297, 297.203



25, 2.935, 272.316



21, 56.627, 295.431



0, 0.000, 0.000



# Previews

## White Background



This preview shows how the CIELCh color 53, 3.657, 90.251 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, 3.657, 90.251 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

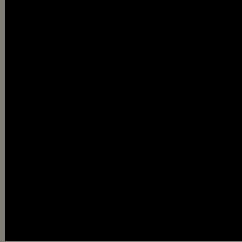
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

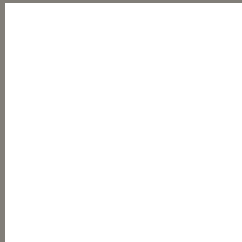
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 53, 3.657, 90.251

## Background



This preview shows how black text looks on a background with the CIELCh color 53, 3.657, 90.251.



This preview shows how white text looks on a background with the CIELCh color 53, 3.657, 90.251.

# 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, 3.657, 90.251

### Protanopia

53, 3.811, 84.432

### Deuteranopia

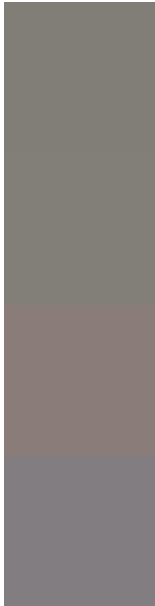
53, 7.839, 24.412



**Tritanopia**  
53, 6.441, 316.012



# Trichromacy



**Original Color**  
53, 3.657, 90.251

**Protanomaly**  
53, 3.811, 84.432

**Deuteranomaly**  
53, 5.595, 37.829

**Tritanomaly**  
53, 3.069, 330.683

# Monochromacy



**Original Color**  
53, 3.657, 90.251

**Achromatopsia**  
53, 0.007, 296.813

**Achromatomaly**  
53, 1.213, 90.706

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 53, 3.657, 90.251 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(129, 126, 120)` looks like.

```
.text, #text, p{  
    color:rgb(129, 126, 120)  
}
```

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(129, 126, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 126, 120) }
```

## Border

The CSS property to change the border of an element to CIELCh 53, 3.657, 90.251 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(129, 126, 120) }
```

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

```
.border{ border-color:rgb(129, 126, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 126, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 126, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 126, 120); box-shadow:4px 4px 4px 4px rgb(129, 126, 120) }
```

# Background

The CSS property to change the background color of an element to CIELCh 53, 3.657, 90.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 126, 120) }
```

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

```
.background{ background-color: rgb(129,  
126, 120) }
```

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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