

# Converting Colors

CIELCh(54, 39.161, 39.192)

Have a look what the booklet for  
CIELCh(54, 39.161, 39.192) contains.

<b>CIELCh(54, 39.082, 39.174)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(54, 39.082, 39.174)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BC6B58
RGB	188, 107, 88
RGB Percent	74%, 42%, 35%
CMY	0.2620, 0.5797, 0.6543
CMYK	0.00, 0.43, 0.53, 0.26
HSL	11°, 43%, 54%
HSV	11°, 53%, 74%
XYZ	27.8309, 21.9746, 12.0425
YIQ	129.0530, 54.3750, 11.2630

# Conversions

## Conversions Part 2

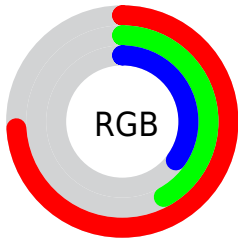
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 111, 88
Decimal	12348248
CIE <sub>Lab</sub>	54.00, 30.30, 24.69
CIE <sub>LCh</sub>	54, 39.082, 39.174
Yxy	21.9746, 0.4500, 0.3553
Android (android.graphics.Color)	4290538328 (0xFFBC6B58)
YUV	129.0530, -20.2391, 51.6965
Hunter-Lab	46.8770, 23.9408, 17.5826

# Details

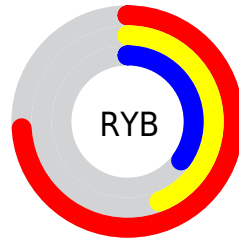
The CIELCh color **54, 39.082, 39.174** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 26.030, 221.803**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 39.106, 38.936**, and **34, 39.123, 39.513** is the 20% darker color. If you saturate the color by 10%, you get **50, 48.148, 39.975**, and if you desaturate by 10%, it is **58, 30.500, 38.625**.

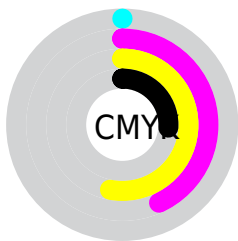
# Distribution



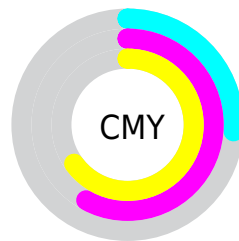
- Red (74%)
- Green (42%)
- Blue (35%)



- Red (74%)
- Yellow (44%)
- Blue (35%)



- Cyan (0%)
- Magenta (43%)
- Yellow (53%)
- Black (26%)



- Cyan (26%)
- Magenta (58%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 39.082, 39.174 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, 39.082, 39.174 by changing the saturation by 10% instead.



■ 54, 39.082, 39.174

■ 54, 39.082, 39.174

■ 100, 39.082,  
39.174

■ 44, 39.082, 39.174

■ 74, 39.082, 39.174

■ 34, 39.082, 39.174

■ 84, 39.082, 39.174

■ 24, 39.082, 39.174

■ 94, 39.082, 39.174

■ 14, 39.082, 39.174

■ 4, 39.082, 39.174

■ 0, 39.082, 39.174

■ 54, 39.082, 39.174

■ 54, 39.082, 39.174

■ 50, 48.148, 39.975

■ 58, 30.500, 38.625

■ 47, 57.503, 40.994

■ 62, 22.489, 38.292

45, 66.698, 42.083

66, 15.066, 38.136

42, 74.743, 42.798

70, 8.212, 38.107

41, 79.333, 43.174

75, 1.889, 38.006

79, 3.951, 218.608

84, 9.361, 218.787

88, 14.389,  
219.065

93, 18.793,  
215.441

# Harmonies

# Complementary

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



54, 39.082, 39.174



65, 26.030, 221.803

# Rectangle

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



54, 39.082, 39.174



54, 39.082, 89.174



54, 39.082, 219.174



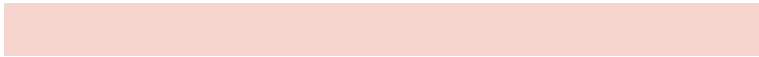
54, 39.082, 269.174

# Sweetspot

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



54, 39.080, 39.178



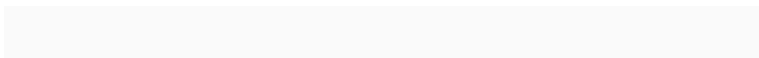
88, 12.528, 38.107



53, 56.752, 333.397



45, 8.527, 38.110



98, 0.011, 296.813



51, 0.007, 296.813



# Same Dimension

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



54, 39.080, 39.178



64, 60.796, 40.153



66, 39.968, 85.471



38, 3.491, 38.111



34, 69.354, 43.418



4, 10.863, 31.870





# Inverse Universe

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



65, 26.030, 221.803



80, 36.138, 223.697



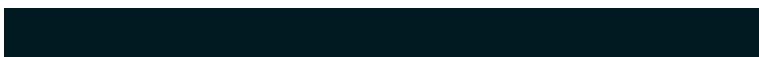
51, 40.344, 282.230



39, 3.294, 218.646



49, 30.584, 232.908



7, 9.528, 226.875



# Previews

## White Background



This preview shows how the CIELCh color 54, 39.082, 39.174 looks on a white background.

## Color Contrast Check

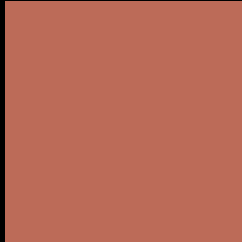
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.082, 39.174 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, 39.082, 39.174

## Background



This preview shows how black text looks on a background with the CIELCh color 54, 39.082, 39.174.



This preview shows how white text looks on a background with the CIELCh color 54, 39.082, 39.174.

# 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, 39.082, 39.174

### Protanopia

54, 18.258, 94.178

### Deuteranopia

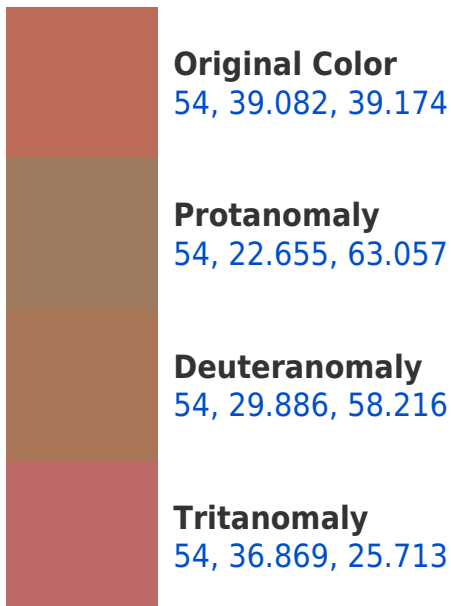
54, 26.916, 74.723



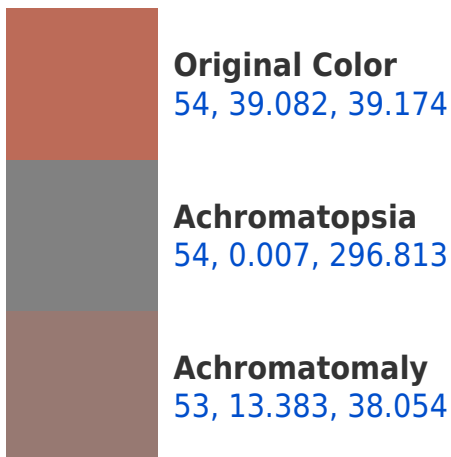
**Tritanopia**  
54, 36.829, 18.140



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 54, 39.082, 39.174 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(188, 107, 88)` looks like.

```
.text, #text, p{  
    color:rgb(188, 107, 88)  
}
```

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(188, 107, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 107, 88) }
```

## Border

The CSS property to change the border of an element to CIELCh 54, 39.082, 39.174 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(188, 107, 88) }
```

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

```
.border{ border-color:rgb(188, 107, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 107, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 107, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 107, 88);  
box-shadow:4px 4px 4px 4px rgb(188, 107,  
88) }
```

# Background

The CSS property to change the background color of an element to CIELCh 54, 39.082, 39.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 107, 88) }
```

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

```
.background{ background-color: rgb(188,  
107, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor