

# Converting Colors

CIELCh(48, 37.268, 25.458)

Have a look what the booklet for  
CIELCh(48, 37.268, 25.458) contains.

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# Color

**CIELCh(48, 37.268, 25.458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AD5A59
RGB	173, 90, 89
RGB Percent	68%, 35%, 35%
CMY	0.3233, 0.6486, 0.6524
CMYK	0.00, 0.48, 0.49, 0.32
HSL	1°, 34%, 51%
HSV	1°, 49%, 68%
XYZ	22.5454, 16.7945, 11.4223
YIQ	114.7030, 49.7890, 17.2850

# Conversions

## Conversions Part 2

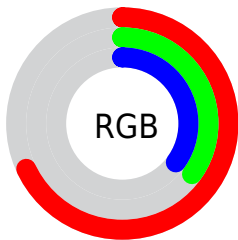
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 90, 89
Decimal	11360857
CIE Lab	48.00, 33.65, 16.02
CIE LCh	48, 37.268, 25.458
Yxy	16.7945, 0.4441, 0.3308
Android (android.graphics.Color)	4289550937 (0xFFAD5A59)
YUV	114.7030, -12.6716, 51.1265
Hunter-Lab	40.9810, 26.4836, 12.1613

# Details

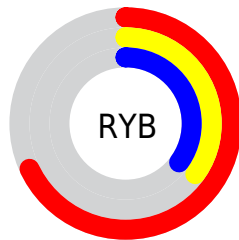
The CIELCh color **48, 37.268, 25.458** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **65, 26.217, 198.468**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 37.032, 25.570**, and **28, 37.167, 25.276** is the 20% darker color. If you saturate the color by 10%, you get **44, 46.141, 27.584**, and if you desaturate by 10%, it is **52, 28.661, 23.822**.

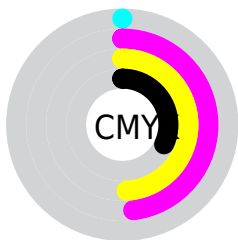
# Distribution



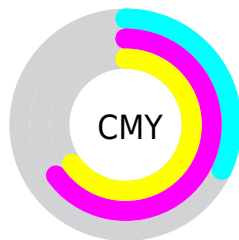
- Red (68%)
- Green (35%)
- Blue (35%)



- Red (68%)
- Yellow (35%)
- Blue (35%)



- Cyan (0%)
- Magenta (48%)
- Yellow (49%)
- Black (32%)



- Cyan (32%)
- Magenta (65%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 37.268, 25.458 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 48, 37.268, 25.458 by changing the saturation by 10% instead.



 48, 37.268, 25.458

 48, 37.268, 25.458

 100, 37.268,  
25.458

 38, 37.268, 25.458

 68, 37.268, 25.458

 28, 37.268, 25.458

 78, 37.268, 25.458

 18, 37.268, 25.458

 88, 37.268, 25.458

 8, 37.268, 25.458

 98, 37.268, 25.458

 0, 37.268, 25.458

 48, 37.268, 25.458

 48, 37.268, 25.458

 44, 46.141, 27.584

 52, 28.661, 23.822

 41, 55.039, 30.265

 57, 20.489, 22.565

39, 63.605, 33.463

61, 12.833, 21.595

37, 71.217, 36.814

66, 5.719, 20.813

36, 77.003, 39.668

71, 0.866, 200.905

36, 77.779, 40.060

76, 6.959, 199.961

81, 12.606,  
199.582

86, 17.856,  
199.295

91, 22.756,  
199.068

# Harmonies

# Complementary

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



48, 37.268, 25.458



65, 26.217, 198.468

# Rectangle

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



48, 37.268, 25.458



48, 37.268, 75.458



48, 37.268, 205.458



48, 37.268, 255.458

# Sweetspot

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



48, 37.266, 25.461



80, 12.621, 21.317



51, 55.319, 326.948



41, 8.669, 21.482



95, 0.011, 296.813



47, 0.006, 296.813



# Same Dimension

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



48, 37.266, 25.461



57, 56.561, 27.677



58, 30.845, 69.416



34, 3.773, 20.863



31, 69.820, 39.626



2, 7.726, 20.211





# Inverse Universe

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



65, 26.217, 198.468



82, 36.465, 198.247



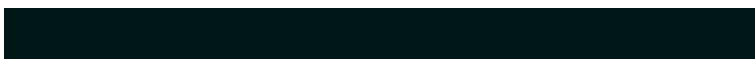
53, 26.839, 264.350



36, 3.560, 200.016



56, 33.256, 198.193

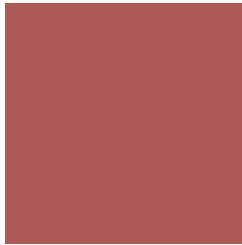


6, 7.665, 200.898



# Previews

## White Background



This preview shows how the CIELCh color 48, 37.268, 25.458 looks on a white background.

## Color Contrast Check

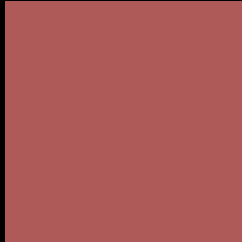
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 48, 37.268, 25.458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

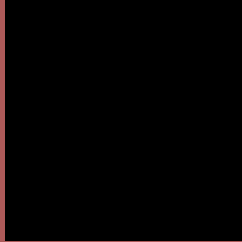
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 48, 37.268, 25.458

## Background



This preview shows how black text looks on a background with the CIELCh color 48, 37.268, 25.458.

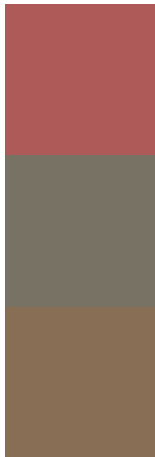


This preview shows how white text looks on a background with the CIELCh color 48, 37.268, 25.458.

# 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

48, 37.268, 25.458

### Protanopia

48, 8.595, 91.723

### Deuteranopia

48, 18.688, 70.964



**Tritanopia**  
48, 36.916, 19.485



# Trichromacy



**Original Color**  
48, 37.268, 25.458

**Protanomaly**  
48, 16.004, 40.159

**Deuteranomaly**  
48, 23.544, 46.249

**Tritanomaly**  
48, 37.115, 21.250

# Monochromacy



**Original Color**  
48, 37.268, 25.458

**Achromatopsia**  
48, 0.006, 296.813

**Achromatomaly**  
47, 12.818, 20.973

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 48, 37.268, 25.458 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(173, 90, 89)` looks like.

```
.text, #text, p{  
  color:rgb(173, 90, 89)  
}
```

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(173, 90, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 90, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 48, 37.268, 25.458 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(173, 90, 89) }
```

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

```
.border{ border-color:rgb(173, 90, 89) }
```

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

Here you see how a box with a 4 pixel rgb(173, 90, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 90, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 90, 89);  
box-shadow:4px 4px 4px 4px rgb(173, 90,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 48, 37.268, 25.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 90, 89) }
```

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

```
.background{ background-color: rgb(173, 90,  
89) }
```

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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