

Converting Colors

CIELCh(49, 59.788, 37.868)

Have a look what the booklet for
CIELCh(49, 59.788, 37.868) contains.

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Color

CIELCh(49, 59.660, 37.811)

Conversions

Conversions Part 1

Format	Color
Hex	C64D39
RGB	198, 77, 57
RGB Percent	78%, 30%, 22%
CMY	0.2238, 0.6982, 0.7766
CMYK	0.00, 0.61, 0.71, 0.22
HSL	9°, 55%, 50%
HSV	9°, 71%, 78%
XYZ	26.6619, 17.5941, 5.8561
YIQ	110.8990, 78.5360, 19.4320

Conversions

Conversions Part 2

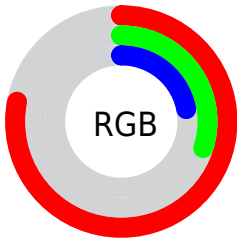
Format	Color
RYB	198, 80, 57
Decimal	12995897
CIELab	49.00, 47.13, 36.58
CIElCh	49, 59.660, 37.811
Yxy	17.5941, 0.5320, 0.3511
Android (android.graphics.Color)	4291185977 (0xFFC64D39)
YUV	110.8990, -26.5722, 76.3876
Hunter-Lab	41.9453, 40.0565, 21.0841

Details

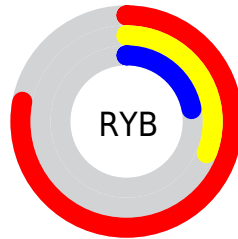
The CIELCh color **49, 59.660, 37.811** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **67, 32.968, 216.917**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 57.558, 37.919**, and **29, 59.566, 37.671** is the 20% darker color. If you saturate the color by 10%, you get **46, 69.383, 39.504**, and if you desaturate by 10%, it is **52, 49.791, 36.319**.

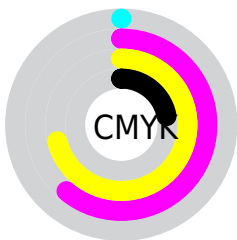
Distribution



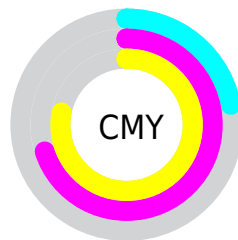
- Red (78%)
- Green (30%)
- Blue (22%)



- Red (78%)
- Yellow (31%)
- Blue (22%)



- Cyan (0%)
- Magenta (61%)
- Yellow (71%)
- Black (22%)



- Cyan (22%)
- Magenta (70%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 59.660, 37.811 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 49, 59.660, 37.811 by changing the saturation by 10% instead.

■ 49, 59.660, 37.811 ■ 49, 59.660, 37.811

■ 100, 59.660, 37.811 ■ 39, 59.660, 37.811

■ 69, 59.660, 37.811 ■ 29, 59.660, 37.811

■ 79, 59.660, 37.811 ■ 19, 59.660, 37.811

■ 89, 59.660, 37.811 ■ 9, 59.660, 37.811

■ 99, 59.660, 37.811 ■ 0, 59.660, 37.811

■ 49, 59.660, 37.811 ■ 49, 59.660, 37.811

■ 46, 69.383, 39.504 ■ 52, 49.791, 36.319

■ 44, 78.029, 40.975 ■ 56, 40.212, 35.137

43, 83.912, 41.886

61, 31.127, 34.265

65, 22.632, 33.656

70, 14.757, 33.254

74, 7.486, 32.997

79, 0.784, 32.275

84, 5.402, 213.079

89, 11.124,
213.098

Harmonies

Complementary

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



49, 59.660, 37.811



67, 32.968, 216.917

Rectangle

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



49, 59.660, 37.811



49, 59.660, 87.811



49, 59.660, 217.811



49, 59.660, 267.811

Sweetspot

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



49, 59.658, 37.814



88, 17.940, 33.257



50, 76.325, 332.603



45, 12.285, 33.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 59.658, 37.814



58, 89.520, 40.319



64, 54.019, 78.459



39, 3.768, 32.956



35, 72.347, 42.078



4, 14.596, 27.446

Inverse Universe

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



67, 32.968, 216.917



82, 42.706, 219.677



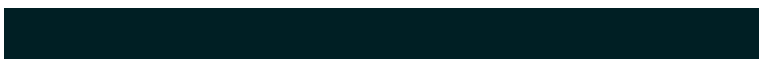
47, 53.274, 284.162



41, 3.549, 213.071



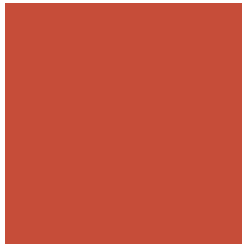
53, 31.282, 222.630



10, 11.455, 216.248

Previews

White Background



This preview shows how the CIELCh color 49, 59.660, 37.811 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 49, 59.660, 37.811 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 49, 59.660, 37.811

Background



This preview shows how black text looks on a background with the CIELCh color 49, 59.660, 37.811.



This preview shows how white text looks on a background with the CIELCh color 49, 59.660, 37.811.

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

49, 59.660, 37.811

Protanopia

49, 27.554, 95.908

Deuteranopia

49, 38.857, 80.380



Tritanopia
49, 55.512, 25.448

Trichromacy



Original Color
49, 59.660, 37.811

Protanomaly
48, 33.404, 60.523

Deuteranomaly
48, 42.757, 58.948

Tritanomaly
49, 56.886, 30.208

Monochromacy



Original Color
49, 59.660, 37.811

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 20.399, 34.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 59.660, 37.811 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(198, 77, 57)` looks like.

```
.text, #text, p{  
    color:rgb(198, 77, 57)  
}
```

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(198, 77, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 77, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 59.660, 37.811 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(198, 77, 57) }
```

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

```
.border{ border-color:rgb(198, 77, 57) }
```

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

Here you see how a box with a 4 pixel rgb(198, 77, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 77, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 77, 57);  
box-shadow:4px 4px 4px 4px rgb(198, 77,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 59.660, 37.811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 77, 57) }
```

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

```
.background{ background-color: rgb(198, 77,  
57) }
```

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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