

Converting Colors

CIELCh(49, 38.098, 81.896)

Have a look what the booklet for
CIELCh(49, 38.098, 81.896) contains.

CIELCh(49, 38.149, 82.358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 38.149, 82.358)

Conversions

Conversions Part 1

Format	Color
Hex	8F7033
RGB	143, 112, 51
RGB Percent	56%, 44%, 20%
CMY	0.4402, 0.5616, 0.8008
CMYK	0.00, 0.22, 0.64, 0.44
HSL	40°, 48%, 38%
HSV	40°, 64%, 56%
XYZ	17.6476, 17.5941, 5.5733
YIQ	114.3150, 38.0570, -12.3990

Conversions

Conversions Part 2

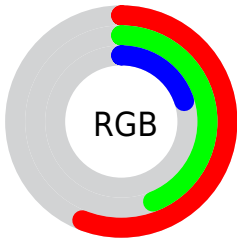
Format	Color
RYB	98, 143, 51
Decimal	9400371
CIELab	49.00, 5.07, 37.81
CIELCh	49, 38.149, 82.358
Yxy	17.5941, 0.4324, 0.4311
Android (android.graphics.Color)	4287590451 (0xFF8F7033)
YUV	114.3150, -31.2143, 25.1567
Hunter-Lab	41.9453, 1.6958, 21.4838

Details

The CIELCh color **49, 38.149, 82.358** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **35, 38.314, 283.624**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 38.151, 82.859**, and **29, 37.993, 83.088** is the 20% darker color. If you saturate the color by 10%, you get **48, 43.685, 80.826**, and if you desaturate by 10%, it is **50, 32.229, 83.800**.

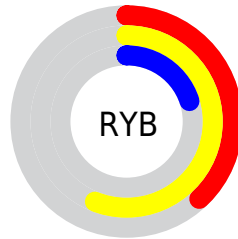
Distribution



Red (56%)

Green (44%)

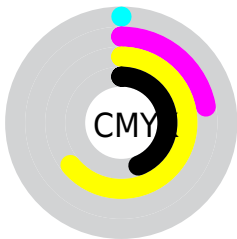
Blue (20%)



Red (38%)

Yellow (56%)

Blue (20%)

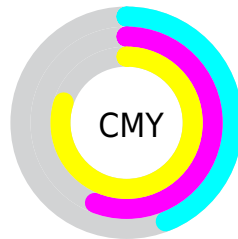


Cyan (0%)

Magenta (22%)

Yellow (64%)

Black (44%)



Cyan (44%)

Magenta (56%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.149, 82.358 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, 38.149, 82.358 by changing the saturation by 10% instead.

■ 49, 38.149, 82.358

■ 49, 38.149, 82.358

■ 100, 38.149,
82.358

■ 39, 38.149, 82.358

■ 69, 38.149, 82.358

■ 29, 38.149, 82.358

■ 79, 38.149, 82.358

■ 19, 38.149, 82.358

■ 89, 38.149, 82.358

■ 9, 38.149, 82.358

■ 99, 38.149, 82.358

■ 0, 38.149, 82.358

■ 49, 38.149, 82.358

■ 49, 38.149, 82.358

■ 48, 43.685, 80.826

■ 50, 32.229, 83.800

■ 46, 48.428, 79.112

■ 52, 26.172, 85.180

45, 51.842, 77.083

54, 20.117, 86.519

44, 53.595, 75.964

55, 14.135, 87.818

57, 8.258, 89.074

59, 2.501, 90.245

60, 3.137, 271.562

62, 8.658, 272.656

64, 14.070,
273.731

Harmonies

Complementary

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



49, 38.149, 82.358



35, 38.314, 283.624

Rectangle

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



49, 38.149, 82.358



49, 38.149, 132.358



49, 38.149, 262.358



49, 38.149, 312.358

Sweetspot

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



49, 38.149, 82.361



72, 13.584, 88.454



36, 41.884, 1.873



37, 9.449, 88.128



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 38.149, 82.361



61, 55.704, 80.131



57, 49.220, 111.736



29, 3.214, 89.708



42, 51.512, 76.120



1, 2.158, 90.844

Inverse Universe

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



35, 38.314, 283.624



41, 57.744, 288.230



28, 58.696, 303.197



28, 3.214, 272.044



23, 59.065, 295.433



1, 2.158, 270.851

Previews

White Background



This preview shows how the CIELCh color 49, 38.149, 82.358 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 CIE LCh color 49, 38.149, 82.358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

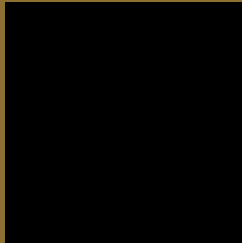
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.149, 82.358

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.149, 82.358.



This preview shows how white text looks on a background with the CIELCh color 49, 38.149, 82.358.

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, 38.149, 82.358

Protanopia

49, 37.191, 95.665

Deuteranopia

49, 38.382, 80.154



Tritanopia
49, 18.602, 7.402

Trichromacy



Original Color
49, 38.149, 82.358

Protanomaly
49, 37.065, 90.374

Deuteranomaly
49, 38.153, 80.790

Tritanomaly
49, 20.443, 49.836

Monochromacy



Original Color
49, 38.149, 82.358

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 13.792, 87.865

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.149, 82.358 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(143, 112, 51)` looks like.

```
.text, #text, p{  
    color:rgb(143, 112, 51)  
}
```

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(143, 112, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 112, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.149, 82.358 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(143, 112, 51) }
```

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

```
.border{ border-color:rgb(143, 112, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 112, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 112, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 112, 51);  
box-shadow:4px 4px 4px 4px rgb(143, 112,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.149, 82.358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 112, 51) }
```

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

```
.background{ background-color: rgb(143,  
112, 51) }
```

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