

Converting Colors

CIELCh(49, 37.862, 50.432)

Have a look what the booklet for
CIELCh(49, 37.862, 50.432) contains.

CIELCh(49, 38.042, 50.099)	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, 38.042, 50.099)

Conversions

Conversions Part 1

Format	Color
Hex	A76344
RGB	167, 99, 68
RGB Percent	65%, 39%, 27%
CMY	0.3446, 0.6113, 0.7329
CMYK	0.00, 0.41, 0.59, 0.34
HSL	19°, 42%, 46%
HSV	19°, 59%, 66%
XYZ	21.4838, 17.5941, 7.7499
YIQ	115.7980, 50.4790, 4.7750

Conversions

Conversions Part 2

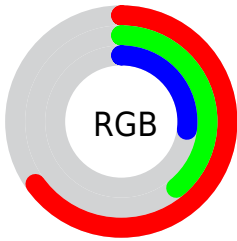
Format	Color
RYB	167, 113, 68
Decimal	10969924
CIELab	49.00, 24.40, 29.18
CIELCh	49, 38.042, 50.099
Yxy	17.5941, 0.4588, 0.3757
Android (android.graphics.Color)	4289160004 (0xFFA76344)
YUV	115.7980, -23.5644, 44.9042
Hunter-Lab	41.9453, 18.0210, 18.4071

Details

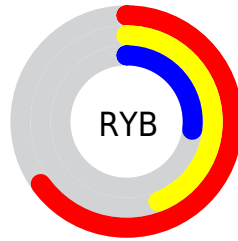
The CIELCh color **49, 38.042, 50.099** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **54, 25.939, 242.110**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 37.920, 49.652**, and **29, 38.232, 50.134** is the 20% darker color. If you saturate the color by 10%, you get **46, 45.922, 49.893**, and if you desaturate by 10%, it is **52, 30.504, 50.395**.

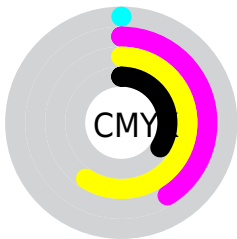
Distribution



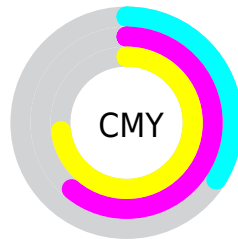
- Red (65%)
- Green (39%)
- Blue (27%)



- Red (65%)
- Yellow (44%)
- Blue (27%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (34%)





















- Cyan (34%)
- Magenta (61%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 38.042, 50.099 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, 38.042, 50.099 by changing the saturation by 10% instead.

 49, 38.042, 50.099	 49, 38.042, 50.099
 100, 38.042, 50.099	 39, 38.042, 50.099
 69, 38.042, 50.099	 29, 38.042, 50.099
 79, 38.042, 50.099	 19, 38.042, 50.099
 89, 38.042, 50.099	 9, 38.042, 50.099
 99, 38.042, 50.099	 0, 38.042, 50.099

 49, 38.042, 50.099	 49, 38.042, 50.099
 46, 45.922, 49.893	 52, 30.504, 50.395
 44, 53.884, 49.669	 55, 23.416, 50.792

41, 61.339, 49.177

58, 16.802, 51.287

39, 67.722, 48.340

62, 10.651, 51.858

39, 68.232, 48.333

65, 4.933, 52.462

69, 0.391, 234.362

72, 5.363, 234.055

76, 10.023,
234.760

79, 14.408,
235.494

Harmonies

Complementary

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



49, 38.042, 50.099



54, 25.939, 242.110

Rectangle

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



49, 38.042, 50.099



49, 38.042, 100.099



49, 38.042, 230.099



49, 38.042, 280.099

Sweetspot

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



49, 38.041, 50.103



79, 12.265, 51.914



45, 52.332, 339.006



41, 8.681, 51.746



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 38.041, 50.103



58, 58.678, 49.834



61, 43.904, 93.404



34, 3.036, 52.459



35, 62.126, 48.673



3, 5.417, 47.792

Inverse Universe

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



54, 25.939, 242.110



65, 36.241, 246.135



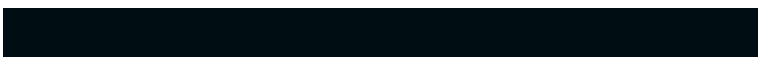
40, 48.247, 290.855



34, 2.896, 234.016



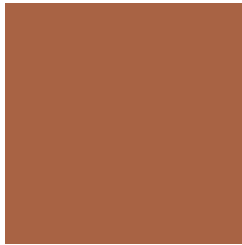
41, 33.033, 257.549



3, 5.436, 242.572

Previews

White Background



This preview shows how the CIELCh color 49, 38.042, 50.099 looks on a white background.

Color Contrast Check

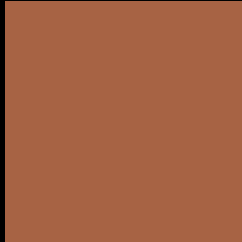
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.042, 50.099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

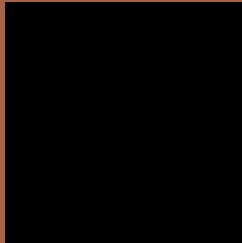
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 38.042, 50.099

Background



This preview shows how black text looks on a background with the CIELCh color 49, 38.042, 50.099.



This preview shows how white text looks on a background with the CIELCh color 49, 38.042, 50.099.

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, 38.042, 50.099

Protanopia

49, 24.712, 96.254

Deuteranopia

49, 30.516, 76.943



Tritanopia
49, 32.192, 16.790

Trichromacy



Original Color
49, 38.042, 50.099

Protanomaly
49, 27.076, 73.647

Deuteranomaly
49, 32.256, 65.662

Tritanomaly
49, 32.793, 29.565

Monochromacy



Original Color
49, 38.042, 50.099

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 12.739, 50.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 38.042, 50.099 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(167, 99, 68)` looks like.

```
.text, #text, p{  
    color:rgb(167, 99, 68)  
}
```

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(167, 99, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 99, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 38.042, 50.099 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(167, 99, 68) }
```

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

```
.border{ border-color:rgb(167, 99, 68) }
```

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

Here you see how a box with a 4 pixel rgb(167, 99, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 99, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 99, 68);  
box-shadow:4px 4px 4px 4px rgb(167, 99,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 38.042, 50.099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 99, 68) }
```

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

```
.background{ background-color: rgb(167, 99,  
68) }
```

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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