

Converting Colors

CIELCh(48, 39.604, 67.164)

Have a look what the booklet for
CIELCh(48, 39.604, 67.164) contains.

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Color

CIELCh(48, 39.532, 67.210)

Conversions

Conversions Part 1

Format	Color
Hex	9A6734
RGB	154, 103, 52
RGB Percent	60%, 40%, 20%
CMY	0.3964, 0.5964, 0.7964
CMYK	0.00, 0.33, 0.66, 0.40
HSL	30°, 50%, 40%
HSV	30°, 66%, 60%
XYZ	18.7711, 16.7945, 5.4927
YIQ	112.4350, 46.7670, -5.0490

Conversions

Conversions Part 2

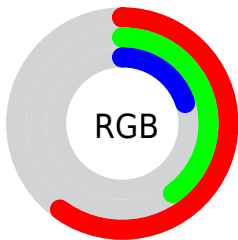
Format	Color
RYB	154, 154, 52
Decimal	10118964
CIELab	48.00, 15.31, 36.45
CIElCh	48, 39.532, 67.210
Yxy	16.7945, 0.4572, 0.4090
Android (android.graphics.Color)	4288309044 (0xFF9A6734)
YUV	112.4350, -29.7945, 36.4525
Hunter-Lab	40.9810, 10.0441, 20.7401

Details

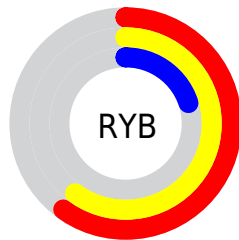
The CIELCh color **48, 39.532, 67.210** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 32.824, 269.625**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 39.566, 67.483**, and **28, 39.655, 67.317** is the 20% darker color. If you saturate the color by 10%, you get **46, 45.957, 65.791**, and if you desaturate by 10%, it is **50, 32.989, 68.517**.

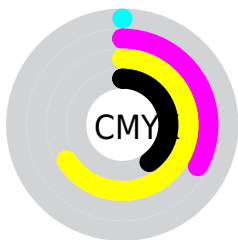
Distribution



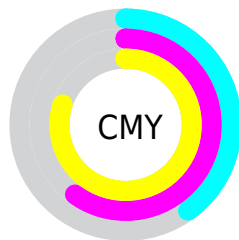
- Red (60%)
- Green (40%)
- Blue (20%)



- Red (60%)
- Yellow (60%)
- Blue (20%)



- Cyan (0%)
- Magenta (33%)
- Yellow (66%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 39.532, 67.210 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, 39.532, 67.210 by changing the saturation by 10% instead.

■ 48, 39.532, 67.210 ■ 48, 39.532, 67.210

■ 100, 39.532, 67.210 ■ 38, 39.532, 67.210

■ 68, 39.532, 67.210 ■ 28, 39.532, 67.210

■ 78, 39.532, 67.210 ■ 18, 39.532, 67.210

■ 88, 39.532, 67.210 ■ 8, 39.532, 67.210

■ 98, 39.532, 67.210 ■ 0, 39.532, 67.210

■ 48, 39.532, 67.210 ■ 48, 39.532, 67.210

■ 46, 45.957, 65.791 ■ 50, 32.989, 68.517

■ 44, 51.817, 64.088 ■ 52, 26.560, 69.775

42, 56.512, 61.891

55, 20.351, 71.014

41, 58.306, 61.175

57, 14.400, 72.241

60, 8.712, 73.449

62, 3.277, 74.595

65, 1.926, 256.023

67, 6.918, 257.057

70, 11.721,
258.151

Harmonies

Complementary

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



48, 39.532, 67.210



42, 32.824, 269.625

Rectangle

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



48, 39.532, 67.210



48, 39.532, 117.210



48, 39.532, 247.210



48, 39.532, 297.210

Sweetspot

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



48, 39.531, 67.214



74, 13.333, 72.954



38, 47.818, 351.591



38, 9.127, 72.644



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 39.531, 67.214



58, 59.441, 64.942



62, 53.010, 104.279



31, 2.965, 74.271



38, 54.394, 61.507



2, 3.134, 74.508

Inverse Universe

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



42, 32.824, 269.625



49, 48.330, 275.466



28, 64.747, 300.672



31, 2.904, 256.656



30, 45.286, 282.979



2, 3.173, 256.336

Previews

White Background



This preview shows how the CIELCh color 48, 39.532, 67.210 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, 39.532, 67.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

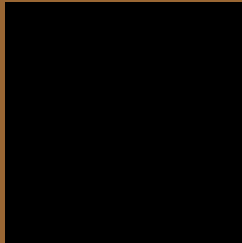
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 39.532, 67.210

Background



This preview shows how black text looks on a background with the CIELCh color 48, 39.532, 67.210.



This preview shows how white text looks on a background with the CIELCh color 48, 39.532, 67.210.

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, 39.532, 67.210

Protanopia

48, 33.723, 95.094

Deuteranopia

48, 37.765, 80.439



Tritanopia
48, 26.066, 14.095

Trichromacy



Original Color
48, 39.532, 67.210

Protanomaly
48, 34.455, 83.688

Deuteranomaly
48, 37.940, 75.768

Tritanomaly
48, 27.677, 39.343

Monochromacy



Original Color
48, 39.532, 67.210

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 13.821, 73.346

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 39.532, 67.210 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(154, 103, 52)` looks like.

```
.text, #text, p{  
    color:rgb(154, 103, 52)  
}
```

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(154, 103, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 103, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 39.532, 67.210 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(154, 103, 52) }
```

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

```
.border{ border-color:rgb(154, 103, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 103, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 103, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 103, 52);  
box-shadow:4px 4px 4px 4px rgb(154, 103,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 39.532, 67.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 103, 52) }
```

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

```
.background{ background-color: rgb(154,  
103, 52) }
```

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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