

Converting Colors

CIELCh(39, 46.933, 42.018)

Have a look what the booklet for
CIELCh(39, 46.933, 42.018) contains.

CIELCh(39, 47.048, 42.055)	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(39, 47.048, 42.055)

Conversions

Conversions Part 1

Format	Color
Hex	98412A
RGB	152, 65, 42
RGB Percent	60%, 25%, 16%
CMY	0.4032, 0.7445, 0.8348
CMYK	0.00, 0.57, 0.72, 0.40
HSL	13°, 57%, 38%
HSV	13°, 72%, 60%
XYZ	15.3019, 10.6589, 3.4542
YIQ	88.3910, 59.2350, 11.2910

Conversions

Conversions Part 2

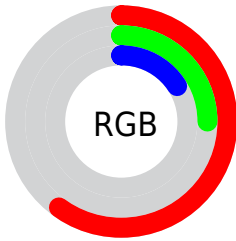
Format	Color
R_{YB}	152, 71, 42
Decimal	9978154
CIE _{Lab}	39.00, 34.93, 31.51
CIE _{LCh}	39, 47.048, 42.055
Yxy	10.6589, 0.5202, 0.3624
Android (android.graphics.Color)	4288168234 (0xFF98412A)
YUV	88.3910, -22.8708, 55.7851
Hunter-Lab	32.6480, 26.5277, 16.5807

Details

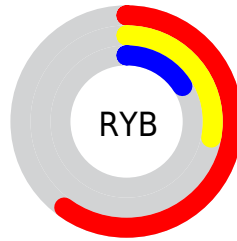
The CIELCh color **39, 47.048, 42.055** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **50, 26.563, 228.203**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 47.018, 42.619**, and **19, 45.301, 39.560** is the 20% darker color. If you saturate the color by 10%, you get **37, 54.811, 42.917**, and if you desaturate by 10%, it is **42, 39.266, 41.283**.

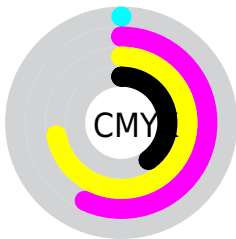
Distribution



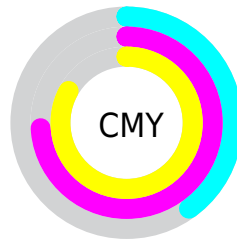
- Red (60%)
- Green (25%)
- Blue (16%)



- Red (60%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (72%)
- Black (40%)



- Cyan (40%)
- Magenta (74%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 47.048, 42.055 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 39, 47.048, 42.055 by changing the saturation by 10% instead.

■ 39, 47.048, 42.055

■ 39, 47.048, 42.055

■ 100, 47.048,
42.055

■ 29, 47.048, 42.055

■ 59, 47.048, 42.055

■ 19, 47.048, 42.055

■ 69, 47.048, 42.055

■ 9, 47.048, 42.055

■ 79, 47.048, 42.055

■ 0, 47.048, 42.055

■ 89, 47.048, 42.055

■ 99, 47.048, 42.055

■ 39, 47.048, 42.055

■ 39, 47.048, 42.055

■ 37, 54.811, 42.917

■ 42, 39.266, 41.283

35, 61.881, 43.521

45, 31.775, 40.706

33, 66.760, 44.066

48, 24.710, 40.339

51, 18.121, 40.162

55, 12.013, 40.136

58, 6.367, 40.216

62, 1.148, 40.109

66, 3.684, 220.893

69, 8.171, 221.159

Harmonies

Complementary

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



39, 47.048, 42.055



50, 26.563, 228.203

Rectangle

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



39, 47.048, 42.055



39, 47.048, 92.055



39, 47.048, 222.055



39, 47.048, 272.055

Sweetspot

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



39, 47.046, 42.058



70, 14.742, 40.136



38, 59.900, 335.441



36, 9.978, 40.131



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



39, 47.046, 42.058



47, 72.562, 43.372



52, 45.632, 84.174



30, 2.900, 40.247



31, 62.468, 44.002



1, 3.038, 40.134

Inverse Universe

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



50, 26.563, 228.203



62, 35.309, 232.897



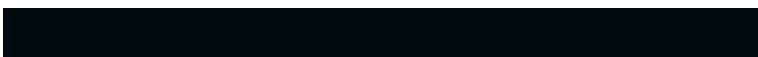
34, 48.324, 288.700



31, 2.744, 220.941



43, 28.228, 236.572



2, 3.014, 222.126

Previews

White Background



This preview shows how the CIELCh color 39, 47.048, 42.055 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 39, 47.048, 42.055 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 39, 47.048, 42.055

Background



This preview shows how black text looks on a background with the CIELCh color 39, 47.048, 42.055.



This preview shows how white text looks on a background with the CIELCh color 39, 47.048, 42.055.

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

39, 47.048, 42.055

Protanopia

39, 25.474, 96.340

Deuteranopia

39, 33.451, 81.272



Tritanopia
39, 42.070, 23.916

Trichromacy



Original Color
39, 47.048, 42.055

Protanomaly
39, 28.754, 66.857

Deuteranomaly
39, 36.117, 62.711

Tritanomaly
39, 43.606, 31.284

Monochromacy



Original Color
39, 47.048, 42.055

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 15.815, 39.282

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 47.048, 42.055 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(152, 65, 42)` looks like.

```
.text, #text, p{  
    color:rgb(152, 65, 42)  
}
```

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(152, 65, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 65, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 47.048, 42.055 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(152, 65, 42) }
```

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

```
.border{ border-color:rgb(152, 65, 42) }
```

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

Here you see how a box with a 4 pixel rgb(152, 65, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 65, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 65, 42);  
box-shadow:4px 4px 4px 4px rgb(152, 65,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 47.048, 42.055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 65, 42) }
```

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

```
.background{ background-color: rgb(152, 65,  
42) }
```

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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