

Converting Colors

CIELCh(39, 46.142, 45.174)

Have a look what the booklet for
CIELCh(39, 46.142, 45.174) contains.

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Color

CIELCh(39, 45.944, 44.817)

Conversions

Conversions Part 1

Format	Color
Hex	964328
RGB	150, 67, 40
RGB Percent	59%, 26%, 16%
CMY	0.4137, 0.7356, 0.8416
CMYK	0.00, 0.55, 0.73, 0.41
HSL	15°, 57%, 37%
HSV	15°, 73%, 59%
XYZ	14.9100, 10.6589, 3.3140
YIQ	88.7390, 58.1350, 9.1990

Conversions

Conversions Part 2

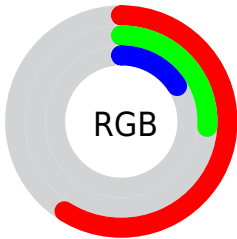
Format	Color
RYB	150, 76, 40
Decimal	9847592
CIELab	39.00, 32.59, 32.38
CIELCh	39, 45.944, 44.817
Yxy	10.6589, 0.5162, 0.3690
Android (android.graphics.Color)	4288037672 (0xFF964328)
YUV	88.7390, -24.0283, 53.7259
Hunter-Lab	32.6480, 24.3849, 16.8354

Details

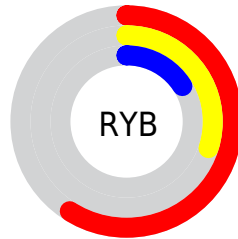
The CIELCh color **39, 45.944, 44.817** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **48, 26.487, 235.049**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 46.607, 44.688**, and **19, 44.319, 40.800** is the 20% darker color. If you saturate the color by 10%, you get **37, 53.455, 45.238**, and if you desaturate by 10%, it is **42, 38.404, 44.418**.

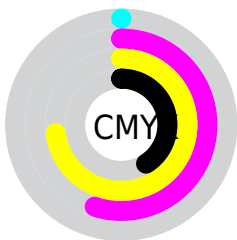
Distribution



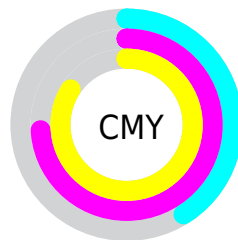
- Red (59%)
- Green (26%)
- Blue (16%)



- Red (59%)
- Yellow (30%)
- Blue (16%)



- Cyan (0%)
- Magenta (55%)
- Yellow (73%)
- Black (41%)



- Cyan (41%)
- Magenta (74%)
- Yellow (84%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 45.944, 44.817 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, 45.944, 44.817 by changing the saturation by 10% instead.

■ 39, 45.944, 44.817

■ 39, 45.944, 44.817

■ 100, 45.944,
44.817

■ 29, 45.944, 44.817

■ 59, 45.944, 44.817

■ 19, 45.944, 44.817

■ 69, 45.944, 44.817

■ 9, 45.944, 44.817

■ 79, 45.944, 44.817

■ 0, 45.944, 44.817

■ 89, 45.944, 44.817

■ 99, 45.944, 44.817

■ 39, 45.944, 44.817

■ 39, 45.944, 44.817

■ 37, 53.455, 45.238

■ 42, 38.404, 44.418

35, 60.262, 45.333

44, 31.147, 44.155

33, 64.716, 45.570

48, 24.305, 44.060

51, 17.922, 44.120

54, 12.000, 44.307

57, 6.518, 44.581

61, 1.440, 44.735

64, 3.271, 225.604

68, 7.656, 226.014

Harmonies

Complementary

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



39, 45.944, 44.817



48, 26.487, 235.049

Rectangle

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



39, 45.944, 44.817



39, 45.944, 94.817



39, 45.944, 224.817



39, 45.944, 274.817

Sweetspot

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



39, 45.942, 44.820



69, 14.161, 44.320



37, 58.115, 337.051



35, 9.579, 44.264



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



39, 45.942, 44.820



46, 70.511, 45.372



52, 46.179, 86.767



30, 2.769, 44.690



31, 60.532, 45.562



1, 2.346, 45.149

Inverse Universe

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



48, 26.487, 235.049



58, 35.427, 240.767



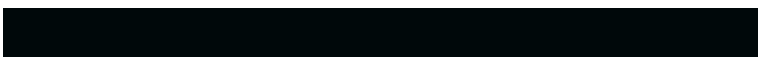
32, 50.528, 290.907



30, 2.628, 225.709



41, 28.689, 244.579



2, 2.347, 225.168

Previews

White Background



This preview shows how the CIELCh color 39, 45.944, 44.817 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 39, 45.944, 44.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

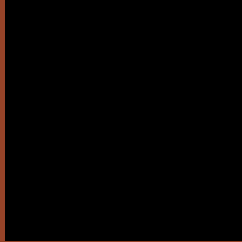
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 45.944, 44.817

Background



This preview shows how black text looks on a background with the CIELCh color 39, 45.944, 44.817.



This preview shows how white text looks on a background with the CIELCh color 39, 45.944, 44.817.

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, 46.390, 44.665

Protanopia

39, 27.143, 96.624

Deuteranopia

39, 34.425, 81.751



Tritanopia
39, 40.154, 23.282

Trichromacy



Original Color
39, 46.390, 44.665

Protanomaly
39, 29.955, 70.535

Deuteranomaly
39, 36.627, 65.167

Tritanomaly
39, 41.391, 31.803

Monochromacy



Original Color
39, 46.390, 44.665

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 15.447, 44.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 45.944, 44.817 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(150, 67, 40)` looks like.

```
.text, #text, p{  
    color:rgb(150, 67, 40)  
}
```

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(150, 67, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 67, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 45.944, 44.817 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(150, 67, 40) }
```

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

```
.border{ border-color:rgb(150, 67, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 67, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 67, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 67, 40);  
box-shadow:4px 4px 4px 4px rgb(150, 67,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 45.944, 44.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 67, 40) }
```

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

```
.background{ background-color: rgb(150, 67,  
40) }
```

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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