

Converting Colors

CIELCh(39, 43.846, 82.873)

Have a look what the booklet for
CIELCh(39, 43.846, 82.873) contains.

CIELCh(39, 43.846, 82.873)	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, 43.846, 82.873)

Conversions

Conversions Part 1

Format	Color
Hex	75570C
RGB	117, 87, 12
RGB Percent	46%, 34%, 5%
CMY	0.5406, 0.6583, 0.9522
CMYK	0.00, 0.26, 0.90, 0.54
HSL	43°, 81%, 25%
HSV	43°, 90%, 46%
XYZ	10.8445, 10.6589, 1.8397
YIQ	87.4200, 41.9550, -16.9650

Conversions

Conversions Part 2

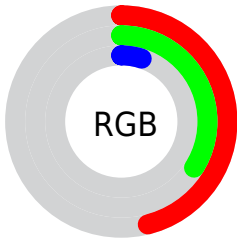
Format	Color
RYB	54, 117, 12
Decimal	7689996
CIELab	39.00, 5.44, 43.51
CIELCh	39, 43.846, 82.873
Yxy	10.6589, 0.4646, 0.4566
Android (android.graphics.Color)	4285880076 (0xFF75570C)
YUV	87.4200, -37.1821, 25.9417
Hunter-Lab	32.6480, 2.1575, 19.5127

Details

The CIELCh color **39, 43.846, 82.873** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20, 50.336, 294.517**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 43.812, 82.970**, and **19, 28.071, 77.345** is the 20% darker color. If you saturate the color by 10%, you get **38, 46.739, 81.197**, and if you desaturate by 10%, it is **40, 40.360, 84.501**.

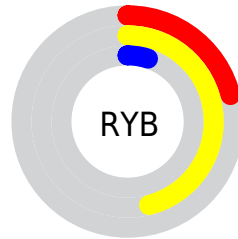
Distribution



Red (46%)

Green (34%)

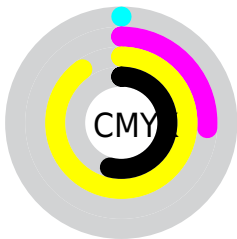
Blue (5%)



Red (21%)

Yellow (46%)

Blue (5%)

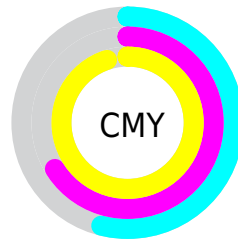


Cyan (0%)

Magenta (26%)

Yellow (90%)

Black (54%)



Cyan (54%)

Magenta (66%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 43.846, 82.873 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, 43.846, 82.873 by changing the saturation by 10% instead.

■ 39, 43.846, 82.873

■ 39, 43.846, 82.873

■ 100, 43.846,
82.873

■ 29, 43.846, 82.873

■ 59, 43.846, 82.873

■ 19, 43.846, 82.873

■ 69, 43.846, 82.873

■ 9, 43.846, 82.873

■ 79, 43.846, 82.873

■ 0, 43.846, 82.873

■ 89, 43.846, 82.873

■ 99, 43.846, 82.873

■ 39, 43.846, 82.873

■ 39, 43.846, 82.873

■ 38, 46.739, 81.197

■ 40, 40.360, 84.501

38, 46.872, 81.136

41, 35.965, 85.966

42, 31.047, 87.343

43, 25.870, 88.668

44, 20.595, 89.955

46, 15.311, 91.210

47, 10.068, 92.428

48, 4.890, 93.600

49, 0.211, 275.445

Harmonies

Complementary

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



39, 43.846, 82.873



20, 50.336, 294.517

Rectangle

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



39, 43.846, 82.873



39, 43.846, 132.873



39, 43.846, 262.873



39, 43.846, 312.873

Sweetspot

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



39, 43.845, 82.876



59, 17.360, 91.444



24, 45.582, 14.030



30, 11.647, 91.125



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



39, 43.845, 82.876



49, 56.771, 80.480



46, 53.111, 113.935



24, 2.870, 93.663



40, 48.349, 81.019



77, 81.705, 79.596

Inverse Universe

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



20, 50.336, 294.517



24, 70.689, 298.537



15, 68.089, 306.743



23, 2.883, 275.845



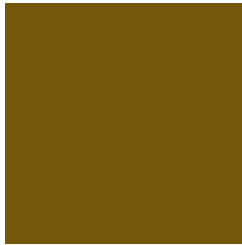
18, 58.844, 297.812



40, 105.411, 299.643

Previews

White Background



This preview shows how the CIELCh color 39, 43.846, 82.873 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, 43.846, 82.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

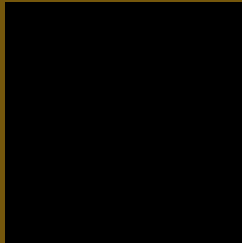
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 43.846, 82.873

Background



This preview shows how black text looks on a background with the CIELCh color 39, 43.846, 82.873.



This preview shows how white text looks on a background with the CIELCh color 39, 43.846, 82.873.

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, 43.846, 82.873

Protanopia

39, 42.497, 95.226

Deuteranopia

39, 43.642, 83.486



Tritanopia
39, 17.989, 10.625

Trichromacy



Original Color
39, 43.846, 82.873

Protanomaly
39, 42.788, 90.341

Deuteranomaly
39, 43.642, 83.486

Tritanomaly
39, 23.237, 57.531

Monochromacy



Original Color
39, 43.846, 82.873

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 17.890, 90.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 43.846, 82.873 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(117, 87, 12)` looks like.

```
.text, #text, p{  
    color:rgb(117, 87, 12)  
}
```

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(117, 87, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 87, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 43.846, 82.873 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(117, 87, 12) }
```

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

```
.border{ border-color:rgb(117, 87, 12) }
```

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

Here you see how a box with a 4 pixel rgb(117, 87, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 87, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 87, 12);  
box-shadow:4px 4px 4px 4px rgb(117, 87,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 43.846, 82.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 87, 12) }
```

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

```
.background{ background-color: rgb(117, 87,  
12) }
```

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