

Converting Colors

CIELCh(39, 50.945, 71.204)

Have a look what the booklet for
CIELCh(39, 50.945, 71.204) contains.

CIELCh(39, 50.681, 70.960)	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, 50.681, 70.960)

Conversions

Conversions Part 1

Format	Color
Hex	845000
RGB	132, 80, 0
RGB Percent	52%, 31%, 0%
CMY	0.4820, 0.6860, 0.9997
CMYK	0.00, 0.39, 1.00, 0.48
HSL	36°, 100%, 26%
HSV	36°, 100%, 52%
XYZ	12.4019, 10.6589, 1.4058
YIQ	86.4280, 56.6720, -13.8560

Conversions

Conversions Part 2

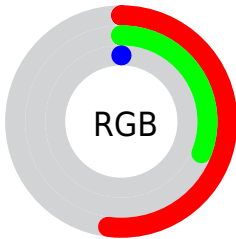
Format	Color
RYB	86, 132, 0
Decimal	8671232
CIELab	39.00, 16.53, 47.91
CIELCh	39, 50.681, 70.960
Yxy	10.6589, 0.5069, 0.4357
Android (android.graphics.Color)	4286861312 (0xFF845000)
YUV	86.4280, -42.6090, 39.9666
Hunter-Lab	32.6480, 10.6723, 20.3006

Details

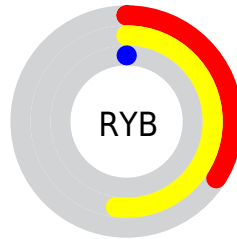
The CIELCh color **39, 50.681, 70.960** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **24, 52.577, 291.641**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 50.519, 70.609**, and **19, 32.575, 58.712** is the 20% darker color. If you saturate the color by 10%, you get **39, 50.703, 70.953**, and if you desaturate by 10%, it is **40, 47.128, 73.034**.

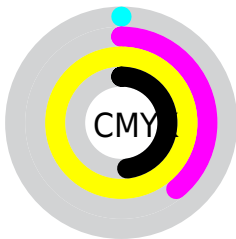
Distribution



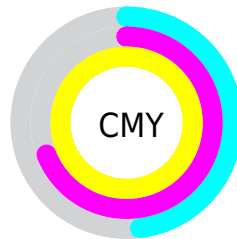
- Red (52%)
- Green (31%)
- Blue (0%)



- Red (34%)
- Yellow (52%)
- Blue (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (100%)
- Black (48%)



- Cyan (48%)
- Magenta (69%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 50.681, 70.960 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, 50.681, 70.960 by changing the saturation by 10% instead.

■ 39, 50.681, 70.960

■ 39, 50.681, 70.960

■ 100, 50.681,
70.960

■ 29, 50.681, 70.960

■ 59, 50.681, 70.960

■ 19, 50.681, 70.960

■ 69, 50.681, 70.960

■ 9, 50.681, 70.960

■ 79, 50.681, 70.960

■ 0, 50.681, 70.960

■ 89, 50.681, 70.960

■ 99, 50.681, 70.960

■ 39, 50.681, 70.960

■ 39, 50.681, 70.960

■ 39, 50.703, 70.953

■ 40, 47.128, 73.034

■ 42, 42.909, 74.968

■ 43, 37.822, 76.610

■ 45, 32.326, 78.100

■ 46, 26.704, 79.509

■ 48, 21.106, 80.869

■ 50, 15.610, 82.192

■ 52, 10.250, 83.477

■ 53, 5.035, 84.712

Harmonies

Complementary

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



39, 50.681, 70.960



24, 52.577, 291.641

Rectangle

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



39, 50.681, 70.960



39, 50.681, 120.960



39, 50.681, 250.960



39, 50.681, 300.960

Sweetspot

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



39, 50.680, 70.963



63, 19.321, 82.097



27, 51.899, 10.051



32, 13.351, 81.623



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



39, 50.680, 70.963



50, 61.268, 70.158



52, 59.854, 108.797



27, 2.862, 84.809



38, 50.136, 71.006



0, 0.679, 85.959

Inverse Universe

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



24, 52.577, 291.641



32, 65.028, 292.594



14, 81.483, 306.731



26, 2.843, 267.176



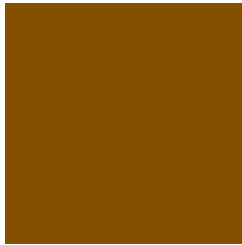
24, 51.942, 291.596



0, 0.679, 265.968

Previews

White Background



This preview shows how the CIE LCh color 39, 50.681, 70.960 looks on a white background.

Color Contrast Check

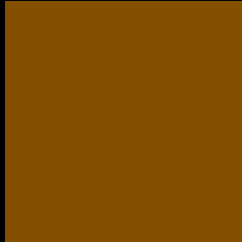
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.681, 70.960 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, 50.681, 70.960

Background



This preview shows how black text looks on a background with the CIELCh color 39, 50.681, 70.960.



This preview shows how white text looks on a background with the CIELCh color 39, 50.681, 70.960.

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, 50.681, 70.960

Protanopia

39, 43.952, 95.984

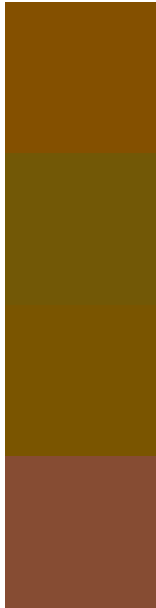
Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 27.673, 16.607

Trichromacy



Original Color
39, 50.681, 70.960

Protanomaly
39, 45.075, 85.909

Deuteranomaly
39, 48.067, 79.470

Tritanomaly
39, 33.524, 48.991

Monochromacy



Original Color
39, 50.681, 70.960

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 20.187, 79.970

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 50.681, 70.960 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(132, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 80, 0)  
}
```

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(132, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 80, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 50.681, 70.960 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(132, 80, 0) }
```

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

```
.border{ border-color:rgb(132, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(132, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 50.681, 70.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 80, 0) }
```

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

```
.background{ background-color: rgb(132, 80,  
0) }
```

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