

Converting Colors

CIELCh(34, 88.055, 23.236)

Have a look what the booklet for
CIELCh(34, 88.055, 23.236) contains.

CIELCh(39, 75.783, 31.752)	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, 75.783, 31.752)

Conversions

Conversions Part 1

Format	Color
Hex	BC001F
RGB	188, 0, 31
RGB Percent	74%, 0%, 12%
CMY	0.2645, 1.0000, 0.8783
CMYK	0.00, 1.00, 0.83, 0.26
HSL	350°, 100%, 37%
HSV	350°, 100%, 74%
XYZ	20.8417, 10.6589, 2.2579
YIQ	59.7460, 102.0970, 49.4970

Conversions

Conversions Part 2

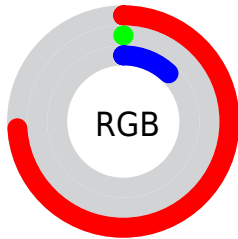
Format	Color
RYB	188, 0, 31
Decimal	12320799
CIELab	39.00, 64.44, 39.88
CIElCh	39, 75.783, 31.752
Yxy	10.6589, 0.6174, 0.3157
Android (android.graphics.Color)	4290510879 (0xFFBC001F)
YUV	59.7460, -14.1718, 112.4788
Hunter-Lab	32.6480, 56.8158, 18.7532

Details

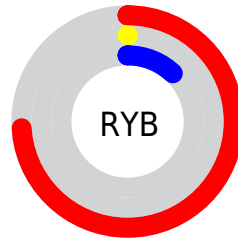
The CIELCh color **39, 75.783, 31.752** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 47.261, 174.470**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 75.554, 32.125**, and **25, 60.096, 38.177** is the 20% darker color. If you saturate the color by 10%, you get **39, 75.524, 31.983**, and if you desaturate by 10%, it is **40, 69.982, 27.060**.

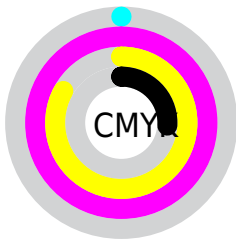
Distribution



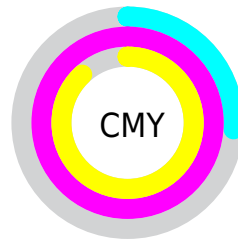
- Red (74%)
- Green (0%)
- Blue (12%)



- Red (74%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (26%)



- Cyan (26%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 75.783, 31.752 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, 75.783, 31.752 by changing the saturation by 10% instead.

 39, 75.783, 31.752

 39, 75.783, 31.752

 100, 75.783,
31.752

 29, 75.783, 31.752

 59, 75.783, 31.752

 19, 75.783, 31.752

 69, 75.783, 31.752

 9, 75.783, 31.752

 79, 75.783, 31.752

 0, 75.783, 31.752

 89, 75.783, 31.752

 99, 75.783, 31.752

 39, 75.783, 31.752

 39, 75.783, 31.752

 39, 75.524, 31.983

 40, 69.982, 27.060

■ 42, 63.712, 22.363

■ 44, 56.547, 18.419

■ 48, 48.636, 15.253

■ 52, 40.260, 12.750

■ 56, 31.729, 10.767

■ 61, 23.299, 9.174

■ 66, 15.145, 7.869

■ 71, 7.366, 6.761

Harmonies

Complementary

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



39, 75.783, 31.752



68, 47.261, 174.470

Rectangle

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



39, 75.783, 31.752



39, 75.783, 81.752



39, 75.783, 211.752



39, 75.783, 261.752

Sweetspot

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



39, 75.524, 31.983



77, 28.959, 9.245



39, 93.063, 321.885



38, 19.937, 9.883



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



39, 75.524, 31.983



51, 93.090, 32.897



44, 73.738, 49.090



37, 4.187, 6.693



33, 66.084, 31.247



3, 12.448, 9.963

Inverse Universe

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



39, 75.524, 31.983



51, 93.090, 32.897



50, 41.159, 262.131



37, 4.187, 6.693



33, 66.084, 31.247



3, 12.448, 9.963

Previews

White Background



This preview shows how the CIELCh color 39, 75.783, 31.752 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, 75.783, 31.752 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, 75.783, 31.752

Background



This preview shows how black text looks on a background with the CIELCh color 39, 75.783, 31.752.



This preview shows how white text looks on a background with the CIELCh color 39, 75.783, 31.752.

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, 75.691, 32.032

Protanopia

40, 27.162, 95.712

Deuteranopia

40, 45.454, 83.603



Tritanopia
40, 81.486, 41.025

Trichromacy



Original Color
39, 75.691, 32.032

Protanomaly
35, 40.156, 39.906

Deuteranomaly
36, 53.714, 48.960

Tritanomaly
39, 79.581, 38.386

Monochromacy



Original Color
39, 75.691, 32.032

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.623, 15.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 75.783, 31.752 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(188, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 31)  
}
```

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(188, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 75.783, 31.752 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(188, 0, 31) }
```

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

```
.border{ border-color:rgb(188, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(188, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 75.783, 31.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 31) }
```

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

```
.background{ background-color: rgb(188, 0,  
31) }
```

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