

Converting Colors

CIELCh(39, 76.319, 32.582)

Have a look what the booklet for
CIELCh(39, 76.319, 32.582) contains.

CIELCh(39, 76.229, 32.739)	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, 76.229, 32.739)

Conversions

Conversions Part 1

Format	Color
Hex	BB001D
RGB	187, 0, 29
RGB Percent	73%, 0%, 11%
CMY	0.2653, 1.0000, 0.8880
CMYK	0.00, 1.00, 0.85, 0.27
HSL	351°, 100%, 37%
HSV	351°, 100%, 73%
XYZ	20.7751, 10.6589, 2.0961
YIQ	59.2190, 102.1430, 48.6630

Conversions

Conversions Part 2

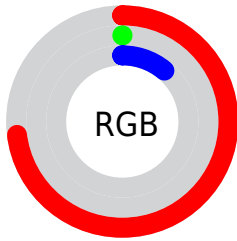
Format	Color
RYB	187, 0, 29
Decimal	12255261
CIELab	39.00, 64.12, 41.23
CIElCh	39, 76.229, 32.739
Yxy	10.6589, 0.6196, 0.3179
Android (android.graphics.Color)	4290445341 (0xFFBB001D)
YUV	59.2190, -14.8980, 112.0639
Hunter-Lab	32.6480, 56.4519, 19.0470

Details

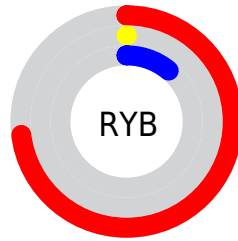
The CIELCh color **39, 76.229, 32.739** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 46.459, 175.933**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 75.658, 32.821**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 76.111, 32.844**, and if you desaturate by 10%, it is **40, 70.442, 28.027**.

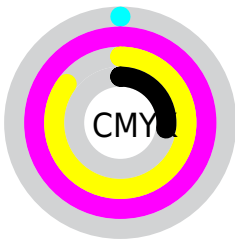
Distribution



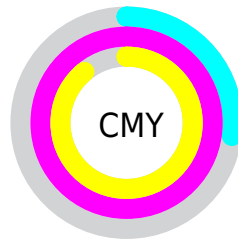
- Red (73%)
- Green (0%)
- Blue (11%)



- Red (73%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 76.229, 32.739 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, 76.229, 32.739 by changing the saturation by 10% instead.

■ 39, 76.229, 32.739

■ 39, 76.229, 32.739

■ 100, 76.229,
32.739

■ 29, 76.229, 32.739

■ 59, 76.229, 32.739

■ 19, 76.229, 32.739

■ 69, 76.229, 32.739

■ 9, 76.229, 32.739

■ 79, 76.229, 32.739

■ 0, 76.229, 32.739

■ 89, 76.229, 32.739

■ 99, 76.229, 32.739

■ 39, 76.229, 32.739

■ 39, 76.229, 32.739

■ 39, 76.111, 32.844

■ 40, 70.442, 28.027

42, 64.010, 23.363

44, 56.705, 19.423

48, 48.690, 16.252

51, 40.246, 13.744

56, 31.678, 11.760

61, 23.235, 10.171

66, 15.089, 8.874

71, 7.332, 7.775

Harmonies

Complementary

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



39, 76.229, 32.739



68, 46.459, 175.933

Rectangle

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



39, 76.229, 32.739



39, 76.229, 82.739



39, 76.229, 212.739



39, 76.229, 262.739

Sweetspot

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



39, 76.111, 32.844



77, 28.911, 10.243



39, 92.979, 321.885



38, 19.913, 10.879



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, 76.111, 32.844



51, 93.907, 33.733



44, 73.670, 49.093



37, 4.172, 7.708



33, 66.654, 32.133



3, 12.420, 10.695

Inverse Universe

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



39, 76.111, 32.844



51, 93.907, 33.733



50, 41.119, 262.126



37, 4.172, 7.708



33, 66.654, 32.133



3, 12.420, 10.695

Previews

White Background



This preview shows how the CIELCh color 39, 76.229, 32.739 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, 76.229, 32.739 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, 76.229, 32.739

Background



This preview shows how black text looks on a background with the CIELCh color 39, 76.229, 32.739.



This preview shows how white text looks on a background with the CIELCh color 39, 76.229, 32.739.

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, 75.870, 32.664

Protanopia

40, 28.802, 95.987

Deuteranopia

40, 48.155, 84.248



Tritanopia
39, 81.145, 41.038

Trichromacy



Original Color
39, 75.870, 32.664

Protanomaly
35, 41.153, 41.929

Deuteranomaly
36, 55.516, 51.321

Tritanomaly
39, 79.433, 38.567

Monochromacy



Original Color
39, 75.870, 32.664

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.709, 16.916

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 76.229, 32.739 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(187, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 29)  
}
```

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(187, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 76.229, 32.739 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(187, 0, 29) }
```

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

```
.border{ border-color:rgb(187, 0, 29) }
```

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

Here you see how a box with a 4 pixel rgb(187, 0, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 76.229, 32.739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 0, 29) }
```

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

```
.background{ background-color: rgb(187, 0,  
29) }
```

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