

Converting Colors

CIELCh(36, 87.641, 32.478)

Have a look what the booklet for
CIELCh(36, 87.641, 32.478) contains.

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Color

CIELCh(39, 80.633, 37.358)

Conversions

Conversions Part 1

Format	Color
Hex	BC000C
RGB	188, 0, 12
RGB Percent	74%, 0%, 5%
CMY	0.2629, 1.0000, 0.9523
CMYK	0.00, 1.00, 0.94, 0.26
HSL	356°, 100%, 37%
HSV	356°, 100%, 74%
XYZ	20.7694, 10.6589, 1.3162
YIQ	57.5800, 108.1960, 43.5880

Conversions

Conversions Part 2

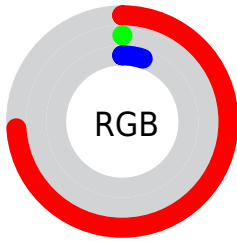
Format	Color
RYB	188, 0, 12
Decimal	12320780
CIELab	39.00, 64.09, 48.93
CIElCh	39, 80.633, 37.358
Yxy	10.6589, 0.6343, 0.3255
Android (android.graphics.Color)	4290510860 (0xFFBC000C)
YUV	57.5800, -22.4709, 114.3783
Hunter-Lab	32.6480, 56.4207, 20.4634

Details

The CIELCh color **39, 80.633, 37.358** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **69, 42.153, 186.935**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 80.691, 37.526**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 80.452, 37.506**, and if you desaturate by 10%, it is **40, 74.529, 33.852**.

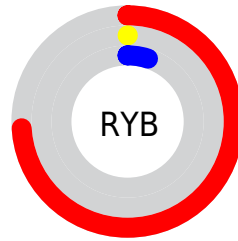
Distribution



Red (74%)

Green (0%)

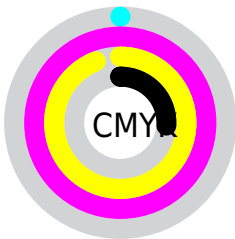
Blue (5%)



Red (74%)

Yellow (0%)

Blue (5%)

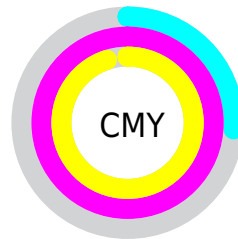


Cyan (0%)

Magenta (100%)

Yellow (94%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 80.633, 37.358 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, 80.633, 37.358 by changing the saturation by 10% instead.

■ 39, 80.633, 37.358

■ 39, 80.633, 37.358

■ 100, 80.633,
37.358

■ 29, 80.633, 37.358

■ 59, 80.633, 37.358

■ 19, 80.633, 37.358

■ 69, 80.633, 37.358

■ 9, 80.633, 37.358

■ 79, 80.633, 37.358

■ 0, 80.633, 37.358

■ 89, 80.633, 37.358

■ 99, 80.633, 37.358

■ 39, 80.633, 37.358

■ 39, 80.633, 37.358

■ 39, 80.452, 37.506

■ 40, 74.529, 33.852

42, 67.112, 29.671

44, 58.788, 25.907

47, 49.941, 22.805

51, 40.885, 20.348

56, 31.908, 18.427

61, 23.228, 16.920

66, 14.982, 15.723

71, 7.236, 14.737

Harmonies

Complementary

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



39, 80.633, 37.358



69, 42.153, 186.935

Rectangle

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



39, 80.633, 37.358



39, 80.633, 87.358



39, 80.633, 217.358



39, 80.633, 267.358

Sweetspot

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



39, 80.452, 37.506



77, 28.833, 16.987



42, 92.240, 325.624



38, 19.921, 17.585



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, 80.452, 37.506



51, 98.825, 38.083



48, 69.944, 55.391



37, 4.105, 14.677



32, 70.341, 36.997



3, 12.288, 15.676

Inverse Universe

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



39, 80.452, 37.506



51, 98.825, 38.083



44, 50.191, 276.769



37, 4.105, 14.677



32, 70.341, 36.997



3, 12.288, 15.676

Previews

White Background



This preview shows how the CIELCh color 39, 80.633, 37.358 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, 80.633, 37.358 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, 80.633, 37.358

Background



This preview shows how black text looks on a background with the CIELCh color 39, 80.633, 37.358.



This preview shows how white text looks on a background with the CIELCh color 39, 80.633, 37.358.

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, 80.503, 37.545

Protanopia

40, 37.900, 95.969

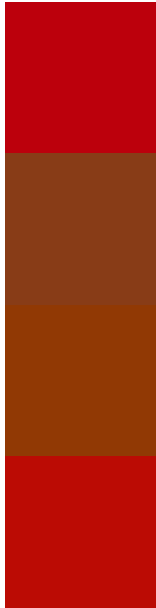
Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 81.486, 41.025

Trichromacy



Original Color
39, 80.503, 37.545

Protanomaly
35, 47.633, 50.622

Deuteranomaly
36, 57.477, 52.503

Tritanomaly
39, 81.064, 39.772

Monochromacy



Original Color
39, 80.503, 37.545

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 33.605, 23.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 80.633, 37.358 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 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(188, 0, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 80.633, 37.358 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, 12) }
```

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

```
.border{ border-color:rgb(188, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(188, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 80.633, 37.358 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, 12) }
```

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

```
.background{ background-color: rgb(188, 0,  
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](#).

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