

Converting Colors

CIELCh(39, 80.508, 38.128)

Have a look what the booklet for
CIELCh(39, 80.508, 38.128) contains.

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Color

CIELCh(39, 80.428, 38.045)

Conversions

Conversions Part 1

Format	Color
Hex	BB020A
RGB	187, 2, 10
RGB Percent	73%, 1%, 4%
CMY	0.2660, 0.9905, 0.9602
CMYK	0.00, 0.99, 0.95, 0.27
HSL	357°, 97%, 37%
HSV	357°, 99%, 73%
XYZ	20.6141, 10.6589, 1.2620
YIQ	58.2270, 107.6920, 41.7080

Conversions

Conversions Part 2

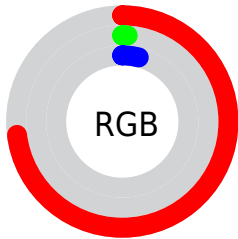
Format	Color
RYB	187, 2, 10
Decimal	12255754
CIELab	39.00, 63.34, 49.57
CIELCh	39, 80.428, 38.045
Yxy	10.6589, 0.6336, 0.3276
Android (android.graphics.Color)	4290445834 (0xFFBB020A)
YUV	58.2270, -23.7759, 112.9339
Hunter-Lab	32.6480, 55.5714, 20.5618

Details

The CIELCh color **39, 80.428, 38.045** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **69, 40.996, 190.244**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 80.367, 38.075**, and **24, 59.286, 38.033** is the 20% darker color. If you saturate the color by 10%, you get **39, 81.077, 38.362**, and if you desaturate by 10%, it is **40, 74.435, 34.630**.

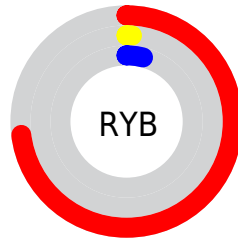
Distribution



Red (73%)

Green (1%)

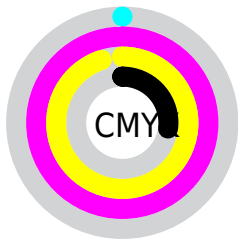
Blue (4%)



Red (73%)

Yellow (1%)

Blue (4%)

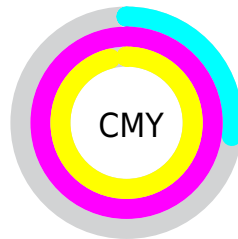


Cyan (0%)

Magenta (99%)

Yellow (95%)

Black (27%)



Cyan (27%)

Magenta (99%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 80.428, 38.045 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, 80.428, 38.045 by changing the saturation by 10% instead.

■ 39, 80.428, 38.045

■ 39, 80.428, 38.045

■ 100, 80.428,
38.045

■ 29, 80.428, 38.045

■ 59, 80.428, 38.045

■ 19, 80.428, 38.045

■ 69, 80.428, 38.045

■ 9, 80.428, 38.045

■ 79, 80.428, 38.045

■ 0, 80.428, 38.045

■ 89, 80.428, 38.045

■ 99, 80.428, 38.045

■ 39, 80.428, 38.045

■ 39, 80.428, 38.045

■ 39, 81.077, 38.362

■ 40, 74.435, 34.630

42, 66.704, 30.667

44, 58.072, 27.072

48, 48.991, 24.109

52, 39.795, 21.768

56, 30.761, 19.945

61, 22.090, 18.524

66, 13.899, 17.402

71, 6.239, 16.477

Harmonies

Complementary

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



39, 80.428, 38.045



69, 40.996, 190.244

Rectangle

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



39, 80.428, 38.045



39, 80.428, 88.045



39, 80.428, 218.045



39, 80.428, 268.045

Sweetspot

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



39, 80.425, 38.047



76, 28.638, 18.752



43, 91.568, 326.280



38, 19.972, 19.336



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, 80.425, 38.047



51, 98.964, 38.798



48, 68.417, 56.874



37, 4.098, 16.535



32, 71.197, 37.965



3, 12.269, 16.997

Inverse Universe

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



39, 80.425, 38.047



51, 98.964, 38.798



44, 51.119, 278.176



37, 4.098, 16.535



32, 71.197, 37.965



3, 12.269, 16.997

Previews

White Background



This preview shows how the CIELCh color 39, 80.428, 38.045 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, 80.428, 38.045 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, 80.428, 38.045

Background



This preview shows how black text looks on a background with the CIELCh color 39, 80.428, 38.045.



This preview shows how white text looks on a background with the CIELCh color 39, 80.428, 38.045.

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, 80.428, 38.045

Protanopia

40, 38.342, 95.989

Deuteranopia

40, 47.972, 84.815



Tritanopia
39, 81.145, 41.038

Trichromacy



Original Color
39, 80.428, 38.045

Protanomaly
35, 47.796, 51.661

Deuteranomaly
36, 56.872, 53.179

Tritanomaly
39, 80.643, 39.833

Monochromacy



Original Color
39, 80.428, 38.045

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 33.710, 24.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 80.428, 38.045 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, 2, 10)` looks like.

```
.text, #text, p{  
    color:rgb(187, 2, 10)  
}
```

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, 2, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 2, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 80.428, 38.045 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, 2, 10) }
```

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

```
.border{ border-color:rgb(187, 2, 10) }
```

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

Here you see how a box with a 4 pixel rgb(187, 2, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 2, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 2, 10);  
box-shadow:4px 4px 4px 4px rgb(187, 2, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 80.428, 38.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 2, 10) }
```

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

```
.background{ background-color: rgb(187, 2,  
10) }
```

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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