

Converting Colors

CIELCh(39, 77.572, 34.137)

Have a look what the booklet for
CIELCh(39, 77.572, 34.137) contains.

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Color

CIELCh(39, 77.568, 34.385)

Conversions

Conversions Part 1

Format	Color
Hex	BB0018
RGB	187, 0, 24
RGB Percent	73%, 0%, 9%
CMY	0.2649, 1.0000, 0.9073
CMYK	0.00, 1.00, 0.87, 0.26
HSL	352°, 100%, 37%
HSV	352°, 100%, 74%
XYZ	20.7533, 10.6589, 1.8077
YIQ	58.6490, 103.7480, 47.1080

Conversions

Conversions Part 2

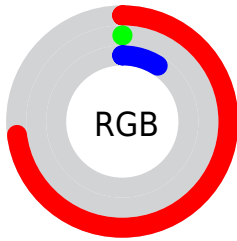
Format	Color
RYB	187, 0, 24
Decimal	12255256
CIELab	39.00, 64.01, 43.81
CIELCh	39, 77.568, 34.385
Yxy	10.6589, 0.6247, 0.3209
Android (android.graphics.Color)	4290445336 (0xFFBB0018)
YUV	58.6490, -17.0820, 112.5638
Hunter-Lab	32.6480, 56.3324, 19.5709

Details

The CIELCh color **39, 77.568, 34.385** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 45.023, 179.020**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 77.177, 34.317**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 77.473, 34.469**, and if you desaturate by 10%, it is **40, 71.598, 29.912**.

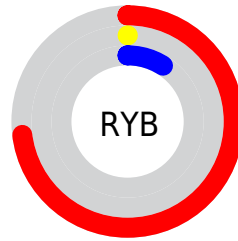
Distribution



Red (73%)

Green (0%)

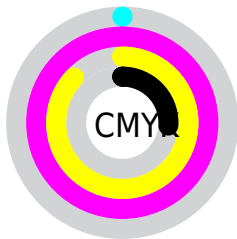
Blue (9%)



Red (73%)

Yellow (0%)

Blue (9%)

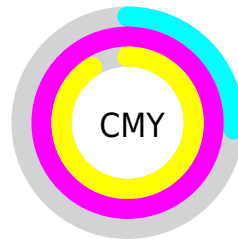


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (26%)



Cyan (26%)

Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 77.568, 34.385 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, 77.568, 34.385 by changing the saturation by 10% instead.

 39, 77.568, 34.385

 39, 77.568, 34.385

 100, 77.568,
34.385

 29, 77.568, 34.385

 59, 77.568, 34.385

 19, 77.568, 34.385

 69, 77.568, 34.385

 9, 77.568, 34.385

 79, 77.568, 34.385

 0, 77.568, 34.385

 89, 77.568, 34.385

 99, 77.568, 34.385

 39, 77.568, 34.385

 39, 77.568, 34.385

 39, 77.473, 34.469

 40, 71.598, 29.912

■ 42, 64.835, 25.344

■ 44, 57.225, 21.426

■ 47, 48.974, 18.256

■ 51, 40.362, 15.748

■ 56, 31.688, 13.770

■ 61, 23.190, 12.195

■ 66, 15.029, 10.918

■ 71, 7.290, 9.845

Harmonies

Complementary

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



39, 77.568, 34.385



68, 45.023, 179.020

Rectangle

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



39, 77.568, 34.385



39, 77.568, 84.385



39, 77.568, 214.385



39, 77.568, 264.385

Sweetspot

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



39, 77.473, 34.469



77, 28.842, 12.266



40, 92.647, 323.104



38, 19.884, 12.895



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, 77.473, 34.469



51, 95.526, 35.283



45, 72.359, 50.993



37, 4.145, 9.779



33, 67.811, 33.804



3, 12.371, 12.182

Inverse Universe

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



39, 77.473, 34.469



51, 95.526, 35.283



48, 43.796, 267.537



37, 4.145, 9.779



33, 67.811, 33.804



3, 12.371, 12.182

Previews

White Background



This preview shows how the CIELCh color 39, 77.568, 34.385 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, 77.568, 34.385 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, 77.568, 34.385

Background



This preview shows how black text looks on a background with the CIELCh color 39, 77.568, 34.385.



This preview shows how white text looks on a background with the CIELCh color 39, 77.568, 34.385.

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, 77.210, 34.326

Protanopia

40, 31.987, 96.372

Deuteranopia

40, 48.155, 84.248



Tritanopia
39, 81.145, 41.038

Trichromacy



Original Color
39, 77.210, 34.326

Protanomaly
35, 42.896, 44.995

Deuteranomaly
36, 56.172, 51.360

Tritanomaly
39, 79.986, 38.775

Monochromacy



Original Color
39, 77.210, 34.326

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.926, 19.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 77.568, 34.385 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, 24)` looks like.

```
.text, #text, p{  
  color:rgb(187, 0, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 77.568, 34.385 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, 24) }
```

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

```
.border{ border-color:rgb(187, 0, 24) }
```

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, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 77.568, 34.385 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, 24) }
```

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

```
.background{ background-color: rgb(187, 0,  
24) }
```

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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