

Converting Colors

CIELCh(39, 77.010, 33.456)

Have a look what the booklet for
CIELCh(39, 77.010, 33.456) contains.

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Color

CIELCh(39, 77.035, 33.748)

Conversions

Conversions Part 1

Format	Color
Hex	BB001A
RGB	187, 0, 26
RGB Percent	73%, 0%, 10%
CMY	0.2650, 1.0000, 0.8996
CMYK	0.00, 1.00, 0.86, 0.27
HSL	352°, 100%, 37%
HSV	352°, 100%, 73%
XYZ	20.7615, 10.6589, 1.9172
YIQ	58.8770, 103.1060, 47.7300

Conversions

Conversions Part 2

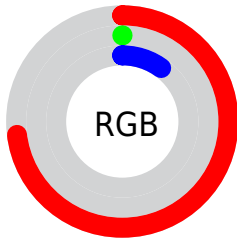
Format	Color
RYB	187, 0, 26
Decimal	12255258
CIELab	39.00, 64.05, 42.80
CIElCh	39, 77.035, 33.748
Yxy	10.6589, 0.6228, 0.3197
Android (android.graphics.Color)	4290445338 (0xFFBB001A)
YUV	58.8770, -16.2084, 112.3639
Hunter-Lab	32.6480, 56.3775, 19.3719

Details

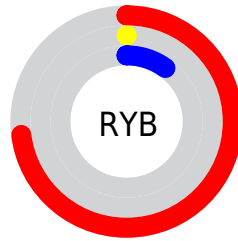
The CIELCh color **39, 77.035, 33.748** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 45.586, 177.762**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 76.654, 33.627**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 76.931, 33.840**, and if you desaturate by 10%, it is **40, 71.129, 29.171**.

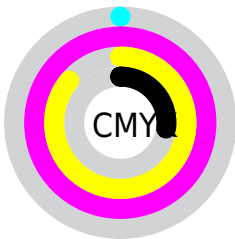
Distribution



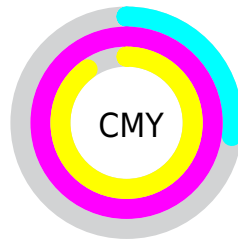
- Red (73%)
- Green (0%)
- Blue (10%)



- Red (73%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 77.035, 33.748 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, 77.035, 33.748 by changing the saturation by 10% instead.

 39, 77.035, 33.748

 39, 77.035, 33.748

 100, 77.035,
33.748

 29, 77.035, 33.748

 59, 77.035, 33.748

 19, 77.035, 33.748

 69, 77.035, 33.748

 9, 77.035, 33.748

 79, 77.035, 33.748

 0, 77.035, 33.748

 89, 77.035, 33.748

 99, 77.035, 33.748

 39, 77.035, 33.748

 39, 77.035, 33.748

 39, 76.931, 33.840

 40, 71.129, 29.171

■ 42, 64.495, 24.559

■ 44, 57.008, 20.630

■ 47, 48.852, 17.456

■ 51, 40.310, 14.947

■ 56, 31.679, 12.966

■ 61, 23.205, 11.384

■ 66, 15.051, 10.098

■ 71, 7.306, 9.013

Harmonies

Complementary

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



39, 77.035, 33.748



68, 45.586, 177.762

Rectangle

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



39, 77.035, 33.748



39, 77.035, 83.748



39, 77.035, 213.748



39, 77.035, 263.748

Sweetspot

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



39, 76.931, 33.840



77, 28.865, 11.455



40, 92.812, 322.491



38, 19.892, 12.088



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, 76.931, 33.840



51, 94.886, 34.685



45, 73.016, 50.018



37, 4.155, 8.947



33, 67.349, 33.155



3, 12.389, 11.585

Inverse Universe

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



39, 76.931, 33.840



51, 94.886, 34.685



49, 42.414, 264.901



37, 4.155, 8.947



33, 67.349, 33.155



3, 12.389, 11.585

Previews

White Background



This preview shows how the CIELCh color 39, 77.035, 33.748 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, 77.035, 33.748 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, 77.035, 33.748

Background



This preview shows how black text looks on a background with the CIELCh color 39, 77.035, 33.748.



This preview shows how white text looks on a background with the CIELCh color 39, 77.035, 33.748.

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, 76.677, 33.683

Protanopia
40, 30.941, 96.264

Deuteranopia
40, 48.155, 84.248



Tritanopia
39, 81.145, 41.038

Trichromacy



Original Color
39, 76.677, 33.683

Protanomaly
35, 42.189, 43.814

Deuteranomaly
36, 56.172, 51.360

Tritanomaly
39, 79.986, 38.775

Monochromacy



Original Color
39, 76.677, 33.683

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.810, 18.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 77.035, 33.748 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 77.035, 33.748 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, 26) }
```

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

```
.border{ border-color:rgb(187, 0, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 77.035, 33.748 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, 26) }
```

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

```
.background{ background-color: rgb(187, 0,  
26) }
```

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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