

Converting Colors

CIELCh(39, 82.240, 40.231)

Have a look what the booklet for
CIELCh(39, 82.240, 40.231) contains.

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Color

CIELCh(39, 82.385, 40.332)

Conversions

Conversions Part 1

Format	Color
Hex	BB0600
RGB	187, 6, 0
RGB Percent	73%, 2%, 0%
CMY	0.2675, 0.9783, 1.0000
CMYK	0.00, 0.97, 1.00, 0.27
HSL	2°, 100%, 37%
HSV	2°, 100%, 73%
XYZ	20.5038, 10.6589, 0.9733
YIQ	59.4350, 109.8020, 36.5060

Conversions

Conversions Part 2

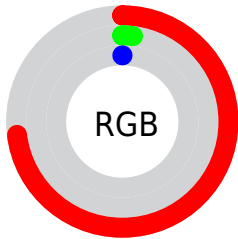
Format	Color
RYB	187, 6, 0
Decimal	12256768
CIELab	39.00, 62.80, 53.32
CIElCh	39, 82.385, 40.332
Yxy	10.6589, 0.6380, 0.3317
Android (android.graphics.Color)	4290446848 (0xFFBB0600)
YUV	59.4350, -29.3015, 111.8745
Hunter-Lab	32.6480, 54.9685, 21.0862

Details

The CIELCh color **39, 82.385, 40.332** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **67, 38.066, 201.164**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 82.142, 40.286**, and **24, 59.286, 38.033** is the 20% darker color. If you saturate the color by 10%, you get **39, 82.352, 40.308**, and if you desaturate by 10%, it is **40, 76.488, 37.729**.

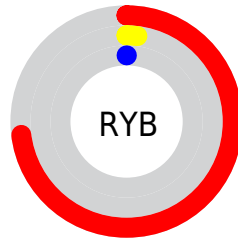
Distribution



Red (73%)

Green (2%)

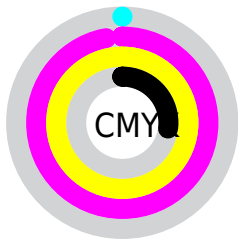
Blue (0%)



Red (73%)

Yellow (2%)

Blue (0%)

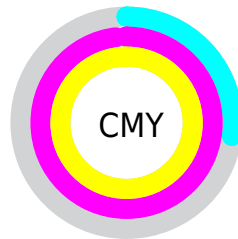


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (98%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 82.385, 40.332 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, 82.385, 40.332 by changing the saturation by 10% instead.

 39, 82.385, 40.332

 39, 82.385, 40.332

 100, 82.385,
40.332

 29, 82.385, 40.332

 59, 82.385, 40.332

 19, 82.385, 40.332

 69, 82.385, 40.332

 9, 82.385, 40.332

 79, 82.385, 40.332

 0, 82.385, 40.332

 89, 82.385, 40.332

 99, 82.385, 40.332

 39, 82.385, 40.332

 39, 82.385, 40.332

 39, 82.352, 40.308

 40, 76.488, 37.729

42, 68.536, 34.661

44, 59.426, 31.601

48, 49.940, 28.993

52, 40.488, 26.915

56, 31.335, 25.310

61, 22.651, 24.087

66, 14.524, 23.152

71, 6.979, 22.415

Harmonies

Complementary

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



39, 82.385, 40.332



67, 38.066, 201.164

Rectangle

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



39, 82.385, 40.332



39, 82.385, 90.332



39, 82.385, 220.332



39, 82.385, 270.332

Sweetspot

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



39, 82.352, 40.308



77, 28.029, 24.139



44, 90.279, 328.905



39, 19.587, 24.623



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, 82.352, 40.308



51, 100.227, 40.222



51, 67.034, 61.951



37, 3.977, 22.371



33, 72.396, 40.082



3, 12.000, 21.153

Inverse Universe

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



67, 38.066, 201.164



85, 46.235, 201.245



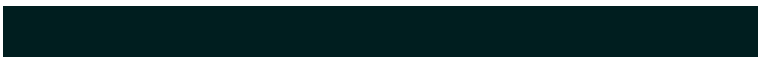
39, 59.134, 285.702



39, 3.749, 201.627



57, 33.664, 201.101



9, 11.201, 200.505

Previews

White Background



This preview shows how the CIELCh color 39, 82.385, 40.332 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, 82.385, 40.332 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, 82.385, 40.332

Background



This preview shows how black text looks on a background with the CIELCh color 39, 82.385, 40.332.



This preview shows how white text looks on a background with the CIELCh color 39, 82.385, 40.332.

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, 82.385, 40.332

Protanopia

40, 40.033, 96.051

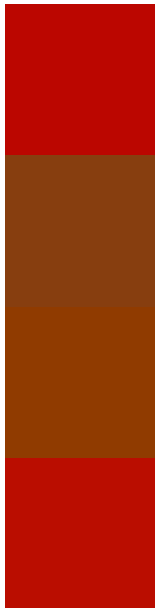
Deuteranopia

40, 47.972, 84.815



Tritanopia
39, 80.805, 41.051

Trichromacy



Original Color
39, 82.385, 40.332

Protanomaly
35, 49.494, 54.881

Deuteranomaly
36, 57.815, 54.585

Tritanomaly
39, 81.519, 40.744

Monochromacy



Original Color
39, 82.385, 40.332

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 33.183, 29.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 82.385, 40.332 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, 6, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 6, 0)  
}
```

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, 6, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 6, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 82.385, 40.332 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, 6, 0) }
```

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

```
.border{ border-color:rgb(187, 6, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 6, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 6, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(187, 6, 0); box-shadow:4px  
4px 4px 4px rgb(187, 6, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 82.385, 40.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 6, 0) }
```

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

```
.background{ background-color: rgb(187, 6,  
0) }
```

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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