

Converting Colors

CIELCh(39, 73.375, 29.476)

Have a look what the booklet for
CIELCh(39, 73.375, 29.476) contains.

CIELCh(39, 73.670, 29.731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(39, 73.670, 29.731)

Conversions

Conversions Part 1

Format	Color
Hex	BB0025
RGB	187, 0, 37
RGB Percent	73%, 0%, 15%
CMY	0.2680, 0.9992, 0.8558
CMYK	0.00, 1.00, 0.80, 0.27
HSL	348°, 100%, 37%
HSV	348°, 100%, 73%
XYZ	20.7447, 10.6589, 2.6959
YIQ	60.1310, 99.5750, 51.1510

Conversions

Conversions Part 2

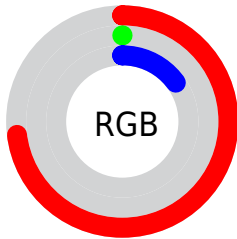
Format	Color
RYB	187, 0, 37
Decimal	12255269
CIELab	39.00, 63.97, 36.54
CIElCh	39, 73.670, 29.731
Yxy	10.6589, 0.6084, 0.3126
Android (android.graphics.Color)	4290445349 (0xFFBB0025)
YUV	60.1310, -11.4036, 111.2641
Hunter-Lab	32.6480, 56.2855, 17.9577

Details

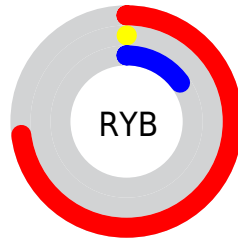
The CIELCh color **39, 73.670, 29.731** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 48.924, 171.246**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 73.733, 29.833**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 73.727, 29.787**, and if you desaturate by 10%, it is **40, 68.500, 24.624**.

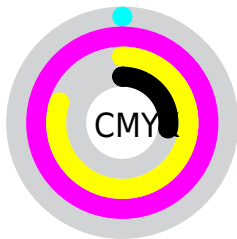
Distribution



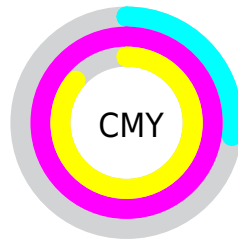
- Red (73%)
- Green (0%)
- Blue (15%)



- Red (73%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (27%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 73.670, 29.731 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, 73.670, 29.731 by changing the saturation by 10% instead.

 39, 73.670, 29.731

 39, 73.670, 29.731

 100, 73.670,
29.731

 29, 73.670, 29.731

 59, 73.670, 29.731

 19, 73.670, 29.731

 69, 73.670, 29.731

 9, 73.670, 29.731

 79, 73.670, 29.731

 0, 73.670, 29.731

 89, 73.670, 29.731

 99, 73.670, 29.731

 39, 73.670, 29.731

 39, 73.670, 29.731

 39, 73.727, 29.787

 40, 68.500, 24.624

42, 62.644, 19.897

44, 55.829, 15.984

47, 48.186, 12.859

51, 40.002, 10.388

56, 31.596, 8.422

60, 23.238, 6.834

65, 15.111, 5.522

71, 7.322, 4.401

Harmonies

Complementary

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



39, 73.670, 29.731



68, 48.924, 171.246

Rectangle

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



39, 73.670, 29.731



39, 73.670, 79.731



39, 73.670, 209.731



39, 73.670, 259.731

Sweetspot

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



39, 73.667, 29.733



77, 28.863, 6.920



38, 93.130, 320.704



38, 20.020, 7.562



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, 73.667, 29.733



51, 90.433, 30.742



43, 74.732, 47.405



37, 4.229, 4.344



33, 64.779, 29.032



3, 12.520, 8.261

Inverse Universe

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



39, 73.667, 29.733



51, 90.433, 30.742



52, 38.723, 256.104



37, 4.229, 4.344



33, 64.779, 29.032



3, 12.520, 8.261

Previews

White Background



This preview shows how the CIELCh color 39, 73.670, 29.731 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 CIE LCh color 39, 73.670, 29.731 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, 73.670, 29.731

Background



This preview shows how black text looks on a background with the CIELCh color 39, 73.670, 29.731.



This preview shows how white text looks on a background with the CIELCh color 39, 73.670, 29.731.

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, 73.745, 29.663

Protanopia

40, 23.050, 97.092

Deuteranopia

40, 40.996, 82.977



Tritanopia
39, 81.245, 40.959

Trichromacy



Original Color
39, 73.745, 29.663

Protanomaly
35, 36.815, 35.566

Deuteranomaly
36, 50.018, 45.278

Tritanomaly
39, 78.871, 37.881

Monochromacy



Original Color
39, 73.745, 29.663

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.451, 12.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 73.670, 29.731 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 73.670, 29.731 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, 37) }
```

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

```
.border{ border-color:rgb(187, 0, 37) }
```

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, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 73.670, 29.731 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, 37) }
```

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

```
.background{ background-color: rgb(187, 0,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor