

Converting Colors

CIELCh(39, 74.984, 31.024)

Have a look what the booklet for
CIELCh(39, 74.984, 31.024) contains.

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Color

CIELCh(39, 74.796, 31.213)

Conversions

Conversions Part 1

Format	Color
Hex	BB0021
RGB	187, 0, 33
RGB Percent	73%, 0%, 13%
CMY	0.2670, 1.0000, 0.8708
CMYK	0.00, 1.00, 0.82, 0.27
HSL	349°, 100%, 37%
HSV	349°, 100%, 73%
XYZ	20.7440, 10.6589, 2.3988
YIQ	59.6750, 100.8590, 49.9070

Conversions

Conversions Part 2

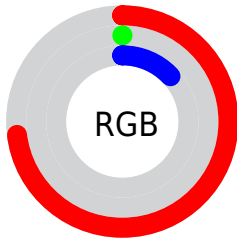
Format	Color
RYB	187, 0, 33
Decimal	12255265
CIELab	39.00, 63.97, 38.76
CIElCh	39, 74.796, 31.213
Yxy	10.6589, 0.6137, 0.3153
Android (android.graphics.Color)	4290445345 (0xFFBB0021)
YUV	59.6750, -13.1508, 111.6640
Hunter-Lab	32.6480, 56.2817, 18.4974

Details

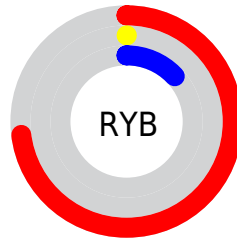
The CIELCh color **39, 74.796, 31.213** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 47.777, 173.305**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 74.670, 31.355**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 74.780, 31.227**, and if you desaturate by 10%, it is **40, 69.369, 26.232**.

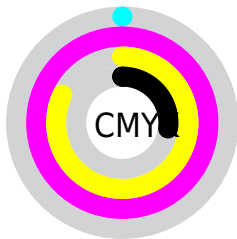
Distribution



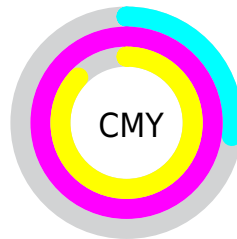
- Red (73%)
- Green (0%)
- Blue (13%)



- Red (73%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 74.796, 31.213 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, 74.796, 31.213 by changing the saturation by 10% instead.

■ 39, 74.796, 31.213

■ 39, 74.796, 31.213

■ 100, 74.796,
31.213

■ 29, 74.796, 31.213

■ 59, 74.796, 31.213

■ 19, 74.796, 31.213

■ 69, 74.796, 31.213

■ 9, 74.796, 31.213

■ 79, 74.796, 31.213

■ 0, 74.796, 31.213

■ 89, 74.796, 31.213

■ 99, 74.796, 31.213

■ 39, 74.796, 31.213

■ 39, 74.796, 31.213

■ 39, 74.780, 31.227

■ 40, 69.369, 26.232

42, 63.255, 21.517

44, 56.229, 17.578

47, 48.428, 14.422

51, 40.135, 11.927

56, 31.663, 9.947

60, 23.271, 8.353

65, 15.139, 7.044

71, 7.369, 5.930

Harmonies

Complementary

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



39, 74.796, 31.213



68, 47.777, 173.305

Rectangle

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



39, 74.796, 31.213



39, 74.796, 81.213



39, 74.796, 211.213



39, 74.796, 261.213

Sweetspot

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



39, 74.780, 31.227



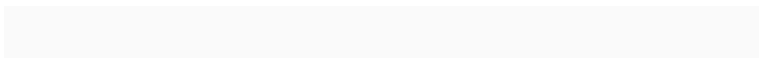
77, 28.760, 8.423



38, 93.031, 321.288



38, 19.962, 9.065



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, 74.780, 31.227



51, 91.657, 32.144



44, 74.216, 48.224



37, 4.201, 5.862



33, 65.618, 30.489



3, 12.472, 9.362

Inverse Universe

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



39, 74.780, 31.227



51, 91.657, 32.144



51, 39.865, 259.207



37, 4.201, 5.862



33, 65.618, 30.489



3, 12.472, 9.362

Previews

White Background



This preview shows how the CIE LCh color 39, 74.796, 31.213 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, 74.796, 31.213 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, 74.796, 31.213

Background



This preview shows how black text looks on a background with the CIELCh color 39, 74.796, 31.213.



This preview shows how white text looks on a background with the CIELCh color 39, 74.796, 31.213.

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, 74.796, 31.213

Protanopia

40, 25.959, 96.540

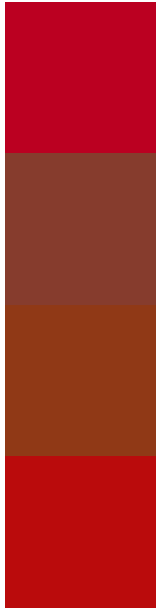
Deuteranopia

40, 43.835, 83.826



Tritanopia
39, 81.145, 41.038

Trichromacy



Original Color
39, 74.796, 31.213

Protanomaly
35, 39.053, 38.577

Deuteranomaly
36, 52.022, 47.736

Tritanomaly
39, 79.017, 38.161

Monochromacy



Original Color
39, 74.796, 31.213

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.551, 14.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 74.796, 31.213 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(187, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 0, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 74.796, 31.213 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, 33) }
```

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

```
.border{ border-color:rgb(187, 0, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(187, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 74.796, 31.213 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, 33) }
```

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

```
.background{ background-color: rgb(187, 0,  
33) }
```

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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