

Converting Colors

CIELCh(39, 72.042, 31.707)

Have a look what the booklet for
CIELCh(39, 72.042, 31.707) contains.

CIELCh(39, 72.186, 31.744)	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, 72.186, 31.744)

Conversions

Conversions Part 1

Format	Color
Hex	B81022
RGB	184, 16, 34
RGB Percent	72%, 6%, 13%
CMY	0.2788, 0.9379, 0.8669
CMYK	0.00, 0.91, 0.82, 0.28
HSL	354°, 84%, 39%
HSV	354°, 91%, 72%
XYZ	20.2149, 10.6589, 2.5005
YIQ	68.2840, 94.3500, 41.2140

Conversions

Conversions Part 2

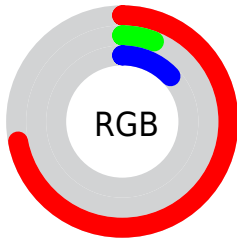
Format	Color
RYB	184, 16, 34
Decimal	12062754
CIELab	39.00, 61.39, 37.98
CIElCh	39, 72.186, 31.744
Yxy	10.6589, 0.6057, 0.3194
Android (android.graphics.Color)	4290252834 (0xFFB81022)
YUV	68.2840, -16.9020, 101.4829
Hunter-Lab	32.6480, 53.3889, 18.3126

Details

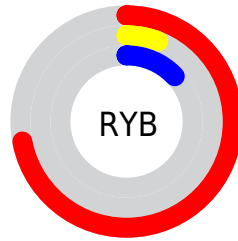
The CIELCh color **39, 72.186, 31.744** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **67, 42.407, 182.341**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 72.266, 31.970**, and **24, 58.879, 37.958** is the 20% darker color. If you saturate the color by 10%, you get **38, 77.206, 35.428**, and if you desaturate by 10%, it is **41, 65.438, 27.229**.

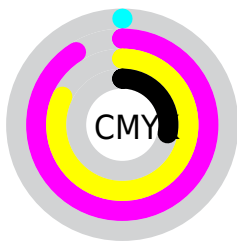
Distribution



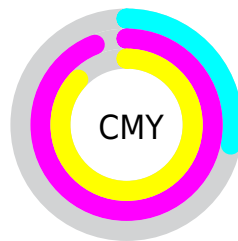
- Red (72%)
- Green (6%)
- Blue (13%)



- Red (72%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (82%)
- Black (28%)



- Cyan (28%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 72.186, 31.744 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, 72.186, 31.744 by changing the saturation by 10% instead.

■ 39, 72.186, 31.744

■ 39, 72.186, 31.744

■ 100, 72.186,
31.744

■ 29, 72.186, 31.744

■ 59, 72.186, 31.744

■ 19, 72.186, 31.744

■ 69, 72.186, 31.744

■ 9, 72.186, 31.744

■ 79, 72.186, 31.744

■ 0, 72.186, 31.744

■ 89, 72.186, 31.744

■ 99, 72.186, 31.744

■ 39, 72.186, 31.744

■ 39, 72.186, 31.744

■ 38, 77.206, 35.428

■ 41, 65.438, 27.229

43, 57.832, 23.258

46, 49.604, 20.009

50, 41.030, 17.434

54, 32.400, 15.407

59, 23.954, 13.801

64, 15.851, 12.510

69, 8.178, 11.438

74, 0.966, 10.118

Harmonies

Complementary

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



39, 72.186, 31.744



67, 42.407, 182.341

Rectangle

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



39, 72.186, 31.744



39, 72.186, 81.744



39, 72.186, 211.744



39, 72.186, 261.744

Sweetspot

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



39, 72.183, 31.746



78, 25.273, 13.261



41, 89.079, 323.942



39, 17.184, 13.722



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 72.183, 31.746



50, 95.021, 36.195



47, 65.517, 53.539



36, 4.037, 11.234



32, 67.741, 34.802



2, 10.724, 12.884

Inverse Universe

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



39, 72.183, 31.746



50, 95.021, 36.195



48, 41.530, 265.741



36, 4.037, 11.234



32, 67.741, 34.802



2, 10.724, 12.884

Previews

White Background



This preview shows how the CIELCh color 39, 72.186, 31.744 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, 72.186, 31.744 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, 72.186, 31.744

Background



This preview shows how black text looks on a background with the CIELCh color 39, 72.186, 31.744.



This preview shows how white text looks on a background with the CIELCh color 39, 72.186, 31.744.

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, 72.186, 31.744

Protanopia

40, 24.876, 96.276

Deuteranopia

40, 42.465, 83.341



Tritanopia
39, 77.021, 38.431

Trichromacy



Original Color
39, 72.186, 31.744

Protanomaly
36, 36.337, 43.243

Deuteranomaly
36, 49.496, 50.213

Tritanomaly
39, 75.504, 36.392

Monochromacy



Original Color
39, 72.186, 31.744

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 29.114, 17.260

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 72.186, 31.744 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(184, 16, 34)` looks like.

```
.text, #text, p{  
    color:rgb(184, 16, 34)  
}
```

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(184, 16, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 16, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 72.186, 31.744 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(184, 16, 34) }
```

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

```
.border{ border-color:rgb(184, 16, 34) }
```

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

Here you see how a box with a 4 pixel rgb(184, 16, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 16, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 16, 34);  
box-shadow:4px 4px 4px 4px rgb(184, 16,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 72.186, 31.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 16, 34) }
```

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

```
.background{ background-color: rgb(184, 16,  
34) }
```

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