

Converting Colors

CIELCh(39, 68.258, 34.267)

Have a look what the booklet for
CIELCh(39, 68.258, 34.267) contains.

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Color

CIELCh(39, 68.322, 34.349)

Conversions

Conversions Part 1

Format	Color
Hex	B22020
RGB	178, 32, 32
RGB Percent	70%, 13%, 13%
CMY	0.3008, 0.8730, 0.8737
CMYK	0.00, 0.82, 0.82, 0.30
HSL	0°, 69%, 41%
HSV	0°, 82%, 70%
XYZ	19.2198, 10.6589, 2.4260
YIQ	75.6540, 87.0160, 30.9520

Conversions

Conversions Part 2

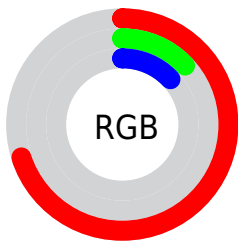
Format	Color
R _Y B	178, 32, 32
Decimal	11673632
CIE Lab	39.00, 56.41, 38.55
CIE LCh	39, 68.322, 34.349
Yxy	10.6589, 0.5950, 0.3299
Android (android.graphics.Color)	4289863712 (0xFFB22020)
YUV	75.6540, -21.5214, 89.7574
Hunter-Lab	32.6480, 47.9485, 18.4479

Details

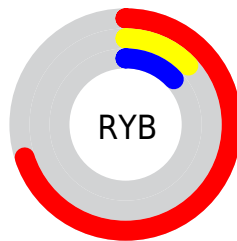
The CIELCh color **39, 68.322, 34.349** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **66, 36.637, 196.653**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 68.455, 34.500**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **38, 75.423, 37.709**, and if you desaturate by 10%, it is **41, 59.830, 30.888**.

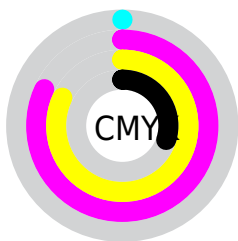
Distribution



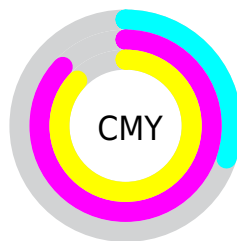
- Red (70%)
- Green (13%)
- Blue (13%)



- Red (70%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (30%)



- Cyan (30%)
- Magenta (87%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 68.322, 34.349 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, 68.322, 34.349 by changing the saturation by 10% instead.

 39, 68.322, 34.349

 39, 68.322, 34.349

 100, 68.322,
34.349

 29, 68.322, 34.349

 59, 68.322, 34.349

 19, 68.322, 34.349

 69, 68.322, 34.349

 9, 68.322, 34.349

 79, 68.322, 34.349

 0, 68.322, 34.349

 89, 68.322, 34.349

 99, 68.322, 34.349

 39, 68.322, 34.349

 39, 68.322, 34.349

 38, 75.423, 37.709

 41, 59.830, 30.888

37, 79.902, 39.983

44, 50.786, 27.891

48, 41.616, 25.486

52, 32.616, 23.618

57, 23.995, 22.183

62, 15.876, 21.078

67, 8.309, 20.206

72, 1.296, 19.221

77, 5.193, 199.197

Harmonies

Complementary

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



39, 68.322, 34.349



66, 36.637, 196.653

Rectangle

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



39, 68.322, 34.349



39, 68.322, 84.349



39, 68.322, 214.349



39, 68.322, 264.349

Sweetspot

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



39, 68.319, 34.351



76, 22.717, 21.433



44, 83.165, 328.030



39, 15.829, 21.818



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



39, 68.319, 34.351



49, 96.291, 39.552



52, 55.663, 64.704



35, 3.907, 20.001



31, 70.915, 39.543



2, 9.148, 19.476

Inverse Universe

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



66, 36.637, 196.653



84, 46.484, 196.562



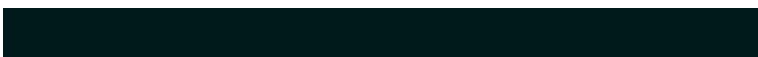
44, 45.250, 276.017



37, 3.686, 199.082



57, 34.173, 196.553



7, 9.122, 199.245

Previews

White Background



This preview shows how the CIELCh color 39, 68.322, 34.349 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, 68.322, 34.349 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, 68.322, 34.349

Background



This preview shows how black text looks on a background with the CIELCh color 39, 68.322, 34.349.



This preview shows how white text looks on a background with the CIELCh color 39, 68.322, 34.349.

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, 68.322, 34.349

Protanopia

39, 27.236, 95.610

Deuteranopia

39, 42.639, 82.608



Tritanopia
39, 68.322, 34.349

Trichromacy



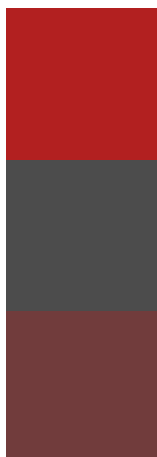
Original Color
39, 68.322, 34.349

Protanomaly
37, 36.003, 51.373

Deuteranomaly
37, 47.973, 54.934

Tritanomaly
39, 68.322, 34.349

Monochromacy



Original Color
39, 68.322, 34.349

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 25.389, 24.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 68.322, 34.349 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(178, 32, 32)` looks like.

```
.text, #text, p{  
    color:rgb(178, 32, 32)  
}
```

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(178, 32, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 32, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 68.322, 34.349 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(178, 32, 32) }
```

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

```
.border{ border-color:rgb(178, 32, 32) }
```

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

Here you see how a box with a 4 pixel rgb(178, 32, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 32, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 32, 32);  
box-shadow:4px 4px 4px 4px rgb(178, 32,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 68.322, 34.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 32, 32) }
```

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

```
.background{ background-color: rgb(178, 32,  
32) }
```

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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