

Converting Colors

CIELCh(39, 67.084, 34.048)

Have a look what the booklet for
CIELCh(39, 67.084, 34.048) contains.

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Color

CIELCh(39, 67.024, 33.897)

Conversions

Conversions Part 1

Format	Color
Hex	B12222
RGB	177, 34, 34
RGB Percent	69%, 13%, 13%
CMY	0.3048, 0.8654, 0.8659
CMYK	0.00, 0.81, 0.81, 0.30
HSL	0°, 68%, 41%
HSV	0°, 81%, 70%
XYZ	19.0679, 10.6589, 2.5805
YIQ	76.7570, 85.2280, 30.3160

Conversions

Conversions Part 2

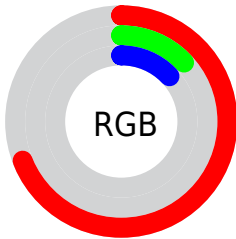
Format	Color
R_{YB}	177, 34, 34
Decimal	11608610
CIE Lab	39.00, 55.63, 37.38
CIE LCh	39, 67.024, 33.897
Yxy	10.6589, 0.5902, 0.3299
Android (android.graphics.Color)	4289798690 (0xFFB12222)
YUV	76.7570, -21.0792, 87.9131
Hunter-Lab	32.6480, 47.1181, 18.1674

Details

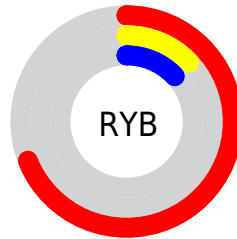
The CIELCh color **39, 67.024, 33.897** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **66, 36.296, 196.646**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 67.023, 33.632**, and **23, 56.415, 37.464** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.338, 37.326**, and if you desaturate by 10%, it is **41, 58.471, 30.475**.

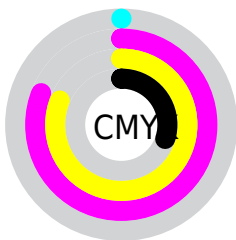
Distribution



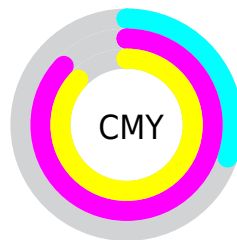
- Red (69%)
- Green (13%)
- Blue (13%)



- Red (69%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (30%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 67.024, 33.897 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, 67.024, 33.897 by changing the saturation by 10% instead.

 39, 67.024, 33.897

 39, 67.024, 33.897

 100, 67.024,
33.897

 29, 67.024, 33.897

 59, 67.024, 33.897

 19, 67.024, 33.897

 69, 67.024, 33.897

 9, 67.024, 33.897

 79, 67.024, 33.897

 0, 67.024, 33.897

 89, 67.024, 33.897

 99, 67.024, 33.897

 39, 67.024, 33.897

 39, 67.024, 33.897

 37, 74.338, 37.326

 41, 58.471, 30.475

37, 79.555, 39.974

44, 49.435, 27.550

48, 40.314, 25.217

52, 31.393, 23.409

57, 22.868, 22.020

62, 14.852, 20.948

67, 7.389, 20.097

72, 0.473, 18.464

77, 5.926, 199.117

Harmonies

Complementary

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



39, 67.024, 33.897



66, 36.296, 196.646

Rectangle

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



39, 67.024, 33.897



39, 67.024, 83.897



39, 67.024, 213.897



39, 67.024, 263.897

Sweetspot

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



39, 67.021, 33.899



76, 21.533, 21.313



44, 82.212, 328.007



38, 14.972, 21.689



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



39, 67.021, 33.899



48, 94.965, 39.325



52, 54.607, 64.924



35, 3.907, 19.989



31, 70.917, 39.540



2, 9.149, 19.466

Inverse Universe

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



66, 36.296, 196.646



83, 46.054, 196.541



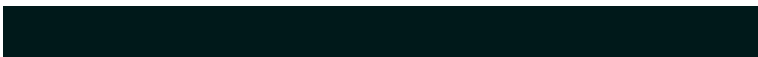
44, 44.393, 275.487



37, 3.687, 199.069



57, 34.180, 196.531



7, 9.124, 199.226

Previews

White Background



This preview shows how the CIELCh color 39, 67.024, 33.897 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, 67.024, 33.897 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, 67.024, 33.897

Background



This preview shows how black text looks on a background with the CIELCh color 39, 67.024, 33.897.



This preview shows how white text looks on a background with the CIELCh color 39, 67.024, 33.897.

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, 67.024, 33.897

Protanopia

39, 26.129, 95.391

Deuteranopia

39, 40.982, 82.779



Tritanopia
39, 67.024, 33.897

Trichromacy



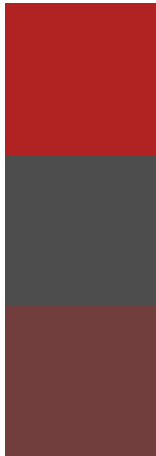
Original Color
39, 67.024, 33.897

Protanomaly
37, 35.069, 51.073

Deuteranomaly
37, 46.488, 54.126

Tritanomaly
39, 67.024, 33.897

Monochromacy



Original Color
39, 67.024, 33.897

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 24.844, 23.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 67.024, 33.897 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(177, 34, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 34, 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(177, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 34, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 67.024, 33.897 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(177, 34, 34) }
```

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

```
.border{ border-color:rgb(177, 34, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 34, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 34, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 34, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 34,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 67.024, 33.897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 34, 34) }
```

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

```
.background{ background-color: rgb(177, 34,  
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](#).

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