

Converting Colors

CIELCh(38, 67.294, 34.456)

Have a look what the booklet for
CIELCh(38, 67.294, 34.456) contains.

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Color

CIELCh(38, 67.200, 34.357)

Conversions

Conversions Part 1

Format	Color
Hex	AE1F1F
RGB	174, 31, 31
RGB Percent	68%, 12%, 12%
CMY	0.3174, 0.8781, 0.8783
CMYK	0.00, 0.82, 0.82, 0.32
HSL	0°, 70%, 40%
HSV	0°, 82%, 68%
XYZ	18.2082, 10.0881, 2.2866
YIQ	73.7570, 85.2280, 30.3160

Conversions

Conversions Part 2

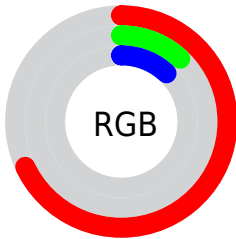
Format	Color
R_{YB}	174, 31, 31
Decimal	11411231
CIE Lab	38.00, 55.48, 37.92
CIE LCh	38, 67.200, 34.357
Yxy	10.0881, 0.5954, 0.3299
Android (android.graphics.Color)	4289601311 (0xFFAE1F1F)
YUV	73.7570, -21.0792, 87.9131
Hunter-Lab	31.7617, 46.7468, 17.9647

Details

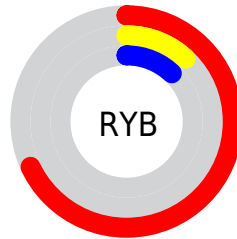
The CIELCh color **38, 67.200, 34.357** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **65, 36.039, 196.544**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 67.320, 34.556**, and **22, 55.167, 37.186** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.140, 37.717**, and if you desaturate by 10%, it is **40, 58.886, 30.889**.

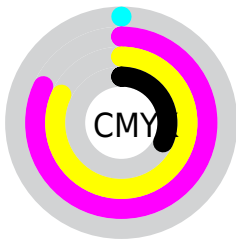
Distribution



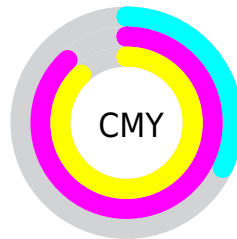
- Red (68%)
- Green (12%)
- Blue (12%)



- Red (68%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (32%)



- Cyan (32%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 67.200, 34.357 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 38, 67.200, 34.357 by changing the saturation by 10% instead.

■ 38, 67.200, 34.357

■ 38, 67.200, 34.357

■ 100, 67.200,
34.357

■ 28, 67.200, 34.357

■ 58, 67.200, 34.357

■ 18, 67.200, 34.357

■ 68, 67.200, 34.357

■ 8, 67.200, 34.357

■ 78, 67.200, 34.357

■ 0, 67.200, 34.357

■ 88, 67.200, 34.357

■ 98, 67.200, 34.357

■ 38, 67.200, 34.357

■ 38, 67.200, 34.357

■ 37, 74.140, 37.717

■ 40, 58.886, 30.889

36, 78.458, 39.938

43, 50.024, 27.882

47, 41.030, 25.466

51, 32.198, 23.589

55, 23.733, 22.146

60, 15.756, 21.034

65, 8.320, 20.157

70, 1.426, 19.208

75, 4.955, 199.140

Harmonies

Complementary

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



38, 67.200, 34.357



65, 36.039, 196.544

Rectangle

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



38, 67.200, 34.357



38, 67.200, 84.357



38, 67.200, 214.357



38, 67.200, 264.357

Sweetspot

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



38, 67.197, 34.359



75, 22.326, 21.368



43, 81.733, 328.032



38, 15.553, 21.750



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



38, 67.197, 34.359



47, 95.204, 39.764



50, 54.732, 64.688



34, 3.817, 19.932



31, 69.979, 39.451



2, 7.800, 19.424

Inverse Universe

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



65, 36.039, 196.544



82, 45.817, 196.433



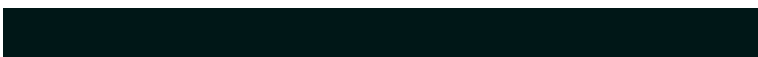
43, 44.493, 276.054



36, 3.602, 199.013



56, 33.794, 196.428



6, 7.798, 199.456

Previews

White Background



This preview shows how the CIELCh color 38, 67.200, 34.357 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 38, 67.200, 34.357 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 38, 67.200, 34.357

Background



This preview shows how black text looks on a background with the CIELCh color 38, 67.200, 34.357.



This preview shows how white text looks on a background with the CIELCh color 38, 67.200, 34.357.

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

38, 67.200, 34.357

Protanopia

39, 27.216, 96.521

Deuteranopia

38, 42.016, 82.912



Tritanopia
38, 67.483, 34.749

Trichromacy



Original Color
38, 67.200, 34.357

Protanomaly
36, 35.369, 51.031

Deuteranomaly
36, 47.315, 55.383

Tritanomaly
38, 67.483, 34.749

Monochromacy



Original Color
38, 67.200, 34.357

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 25.046, 24.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 67.200, 34.357 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(174, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(174, 31, 31)  
}
```

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(174, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 31, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 67.200, 34.357 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(174, 31, 31) }
```

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

```
.border{ border-color:rgb(174, 31, 31) }
```

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

Here you see how a box with a 4 pixel rgb(174, 31, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(174, 31,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 67.200, 34.357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 31, 31) }
```

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

```
.background{ background-color: rgb(174, 31,  
31) }
```

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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