

Converting Colors

CIELCh(38, 64.971, 33.751)

Have a look what the booklet for
CIELCh(38, 64.971, 33.751) contains.

CIELCh(38, 64.852, 33.857)	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(38, 64.852, 33.857)

Conversions

Conversions Part 1

Format	Color
Hex	AC2322
RGB	172, 35, 34
RGB Percent	67%, 14%, 13%
CMY	0.3255, 0.8627, 0.8667
CMYK	0.00, 0.80, 0.80, 0.33
HSL	0°, 67%, 40%
HSV	0°, 80%, 67%
XYZ	17.9027, 10.0881, 2.5170
YIQ	75.8490, 81.9730, 28.7330

Conversions

Conversions Part 2

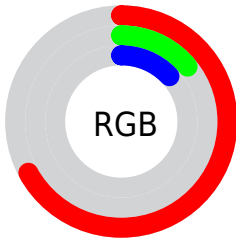
Format	Color
RYB	172, 35, 34
Decimal	11281186
CIELab	38.00, 53.86, 36.13
CIElCh	38, 64.852, 33.857
Yxy	10.0881, 0.5868, 0.3307
Android (android.graphics.Color)	4289471266 (0xFFAC2322)
YUV	75.8490, -20.6316, 84.3244
Hunter-Lab	31.7617, 45.0300, 17.5347

Details

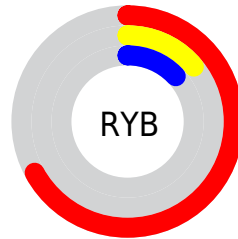
The CIELCh color **38, 64.852, 33.857** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 35.112, 197.484**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 64.800, 34.028**, and **22, 54.329, 36.989** is the 20% darker color. If you saturate the color by 10%, you get **36, 72.159, 37.222**, and if you desaturate by 10%, it is **40, 56.426, 30.546**.

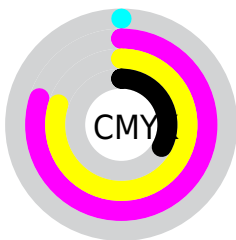
Distribution



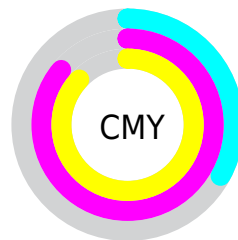
- Red (67%)
- Green (14%)
- Blue (13%)



- Red (67%)
- Yellow (14%)
- Blue (13%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (86%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 64.852, 33.857 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, 64.852, 33.857 by changing the saturation by 10% instead.

 38, 64.852, 33.857

 38, 64.852, 33.857

 100, 64.852,
33.857

 28, 64.852, 33.857

 58, 64.852, 33.857

 18, 64.852, 33.857

 68, 64.852, 33.857

 8, 64.852, 33.857

 78, 64.852, 33.857

 0, 64.852, 33.857

 88, 64.852, 33.857

 98, 64.852, 33.857

 38, 64.852, 33.857

 38, 64.852, 33.857

 36, 72.159, 37.222

 40, 56.426, 30.546

36, 77.647, 40.001

43, 47.583, 27.730

47, 38.700, 25.488

51, 30.043, 23.751

56, 21.790, 22.418

60, 14.040, 21.390

65, 6.829, 20.572

70, 0.150, 16.750

75, 6.030, 199.647

Harmonies

Complementary

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



38, 64.852, 33.857



64, 35.112, 197.484

Rectangle

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



38, 64.852, 33.857



38, 64.852, 83.857



38, 64.852, 213.857



38, 64.852, 263.857

Sweetspot

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



38, 64.849, 33.859



75, 21.012, 21.790



43, 80.071, 327.994



37, 14.606, 22.152



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



38, 64.849, 33.859



47, 92.748, 39.142



50, 52.971, 65.036



34, 3.790, 20.502



31, 69.881, 39.559



2, 7.754, 19.906

Inverse Universe

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



64, 35.112, 197.484



81, 44.820, 197.510



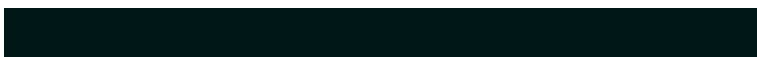
43, 43.071, 275.212



36, 3.576, 199.627



56, 33.460, 197.505



6, 7.716, 200.338

Previews

White Background



This preview shows how the CIELCh color 38, 64.852, 33.857 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, 64.852, 33.857 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, 64.852, 33.857

Background



This preview shows how black text looks on a background with the CIELCh color 38, 64.852, 33.857.



This preview shows how white text looks on a background with the CIELCh color 38, 64.852, 33.857.

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, 64.852, 33.857

Protanopia

39, 25.549, 96.242

Deuteranopia

38, 39.586, 82.842



Tritanopia
38, 64.571, 33.430

Trichromacy



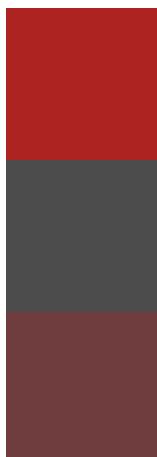
Original Color
38, 64.852, 33.857

Protanomaly
36, 33.451, 51.442

Deuteranomaly
36, 44.958, 54.552

Tritanomaly
38, 64.571, 33.430

Monochromacy



Original Color
38, 64.852, 33.857

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 23.888, 23.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 64.852, 33.857 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(172, 35, 34)` looks like.

```
.text, #text, p{  
    color:rgb(172, 35, 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(172, 35, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 35, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 64.852, 33.857 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(172, 35, 34) }
```

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

```
.border{ border-color:rgb(172, 35, 34) }
```

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

Here you see how a box with a 4 pixel rgb(172, 35, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 35, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 35, 34);  
box-shadow:4px 4px 4px 4px rgb(172, 35,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 64.852, 33.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 35, 34) }
```

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

```
.background{ background-color: rgb(172, 35,  
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