

Converting Colors

CIELCh(38, 63.694, 33.185)

Have a look what the booklet for
CIELCh(38, 63.694, 33.185) contains.

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Color

CIELCh(38, 63.699, 33.168)

Conversions

Conversions Part 1

Format	Color
Hex	AB2424
RGB	171, 36, 36
RGB Percent	67%, 14%, 14%
CMY	0.3285, 0.8578, 0.8582
CMYK	0.00, 0.79, 0.79, 0.33
HSL	0°, 65%, 41%
HSV	0°, 79%, 67%
XYZ	17.8027, 10.0881, 2.6906
YIQ	76.3650, 80.4600, 28.6200

Conversions

Conversions Part 2

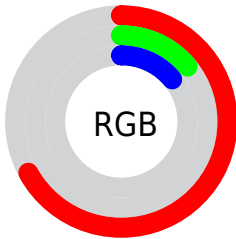
Format	Color
RYB	171, 36, 36
Decimal	11215908
CIELab	38.00, 53.32, 34.85
CIElCh	38, 63.699, 33.168
Yxy	10.0881, 0.5821, 0.3299
Android (android.graphics.Color)	4289405988 (0xFFAB2424)
YUV	76.3650, -19.8999, 82.9949
Hunter-Lab	31.7617, 44.4681, 17.2106

Details

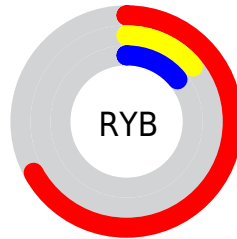
The CIELCh color **38, 63.699, 33.168** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **64, 35.057, 196.639**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 63.620, 33.539**, and **21, 53.908, 36.886** is the 20% darker color. If you saturate the color by 10%, you get **36, 71.145, 36.663**, and if you desaturate by 10%, it is **40, 55.249, 29.831**.

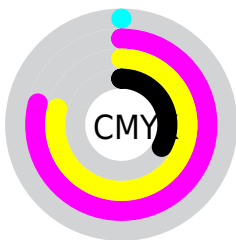
Distribution



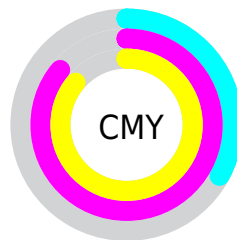
- Red (67%)
- Green (14%)
- Blue (14%)



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



- Cyan (0%)
- Magenta (79%)
- Yellow (79%)
- Black (33%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 63.699, 33.168 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, 63.699, 33.168 by changing the saturation by 10% instead.

 38, 63.699, 33.168

 38, 63.699, 33.168

 100, 63.699,
33.168

 28, 63.699, 33.168

 58, 63.699, 33.168

 18, 63.699, 33.168

 68, 63.699, 33.168

 8, 63.699, 33.168

 78, 63.699, 33.168

 0, 63.699, 33.168

 88, 63.699, 33.168

 98, 63.699, 33.168

 38, 63.699, 33.168

 38, 63.699, 33.168

 36, 71.145, 36.663

 40, 55.249, 29.831

35, 76.836, 39.595

44, 46.422, 27.029

35, 77.470, 39.912

47, 37.575, 24.810

52, 28.964, 23.095

56, 20.765, 21.777

61, 13.071, 20.756

66, 5.915, 19.933

71, 0.714, 200.098

76, 6.850, 199.004

Harmonies

Complementary

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



38, 63.699, 33.168



64, 35.057, 196.639

Rectangle

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



38, 63.699, 33.168



38, 63.699, 83.168



38, 63.699, 213.168



38, 63.699, 263.168

Sweetspot

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



38, 63.696, 33.170



74, 20.949, 21.290



43, 79.108, 327.965



37, 14.697, 21.663



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, 63.696, 33.170



47, 91.503, 38.857



50, 51.897, 65.266



34, 3.815, 19.966



31, 69.973, 39.457



2, 7.797, 19.453

Inverse Universe

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



64, 35.057, 196.639



80, 44.792, 196.509



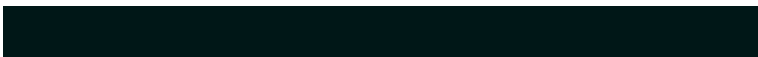
43, 42.223, 274.643



36, 3.601, 199.050



56, 33.774, 196.493



6, 7.793, 199.510

Previews

White Background



This preview shows how the CIELCh color 38, 63.699, 33.168 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, 63.699, 33.168 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, 63.699, 33.168

Background



This preview shows how black text looks on a background with the CIELCh color 38, 63.699, 33.168.



This preview shows how white text looks on a background with the CIELCh color 38, 63.699, 33.168.

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, 63.699, 33.168

Protanopia

39, 23.858, 95.882

Deuteranopia

38, 38.350, 82.397



Tritanopia
38, 63.699, 33.168

Trichromacy



Original Color
38, 63.699, 33.168

Protanomaly
36, 32.662, 49.982

Deuteranomaly
37, 43.687, 54.060

Tritanomaly
38, 63.699, 33.168

Monochromacy



Original Color
38, 63.699, 33.168

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 23.345, 23.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 63.699, 33.168 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(171, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(171, 36, 36)  
}
```

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(171, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 36, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 63.699, 33.168 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(171, 36, 36) }
```

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

```
.border{ border-color:rgb(171, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(171, 36,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 63.699, 33.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 36, 36) }
```

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

```
.background{ background-color: rgb(171, 36,  
36) }
```

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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