

Converting Colors

CIELCh(38, 68.183, 33.529)

Have a look what the booklet for
CIELCh(38, 68.183, 33.529) contains.

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Color

CIELCh(38, 68.335, 33.363)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | B01B20 |
| RGB | 176, 27, 32 |
| RGB Percent | 69%, 11%, 13% |
| CMY | 0.3105, 0.8949, 0.8750 |
| CMYK | 0.00, 0.85, 0.82, 0.31 |
| HSL | 358°, 74%, 40% |
| HSV | 358°, 85%, 69% |
| XYZ | 18.5126, 10.0881, 2.3297 |
| YIQ | 72.1210, 87.1990, 33.1430 |

Conversions

Conversions Part 2

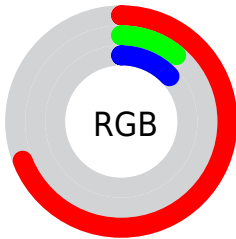
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 176, 27, 32 |
| Decimal | 11541280 |
| CIELab | 38.00, 57.07, 37.58 |
| CIElCh | 38, 68.335, 33.363 |
| Yxy | 10.0881, 0.5985, 0.3262 |
| Android (android.graphics.Color) | 4289731360 (0xFFB01B20) |
| YUV | 72.1210, -19.7797, 91.1019 |
| Hunter-Lab | 31.7617, 48.4577, 17.8844 |

Details

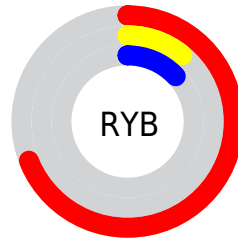
The CIELCh color **38, 68.335, 33.363** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **65, 37.524, 192.013**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 68.378, 33.495**, and **22, 56.000, 37.374** is the 20% darker color. If you saturate the color by 10%, you get **37, 74.849, 37.089**, and if you desaturate by 10%, it is **40, 60.477, 29.568**.

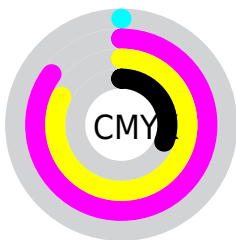
Distribution



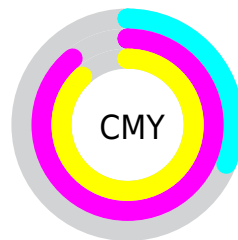
- Red (69%)
- Green (11%)
- Blue (13%)



- Red (69%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (85%)
- Yellow (82%)
- Black (31%)



- Cyan (31%)
- Magenta (89%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 68.335, 33.363 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, 68.335, 33.363 by changing the saturation by 10% instead.

 38, 68.335, 33.363

 38, 68.335, 33.363

 100, 68.335,
33.363

 28, 68.335, 33.363

 58, 68.335, 33.363

 18, 68.335, 33.363

 68, 68.335, 33.363

 8, 68.335, 33.363

 78, 68.335, 33.363

 0, 68.335, 33.363

 88, 68.335, 33.363

 98, 68.335, 33.363

 38, 68.335, 33.363

 38, 68.335, 33.363

 37, 74.849, 37.089

 40, 60.477, 29.568

36, 77.592, 38.547

43, 51.973, 26.271

46, 43.196, 23.608

50, 34.445, 21.521

55, 25.950, 19.898

59, 17.866, 18.632

64, 10.273, 17.624

69, 3.194, 16.732

74, 3.384, 196.404

Harmonies

Complementary

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



38, 68.335, 33.363



65, 37.524, 192.013

Rectangle

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



38, 68.335, 33.363



38, 68.335, 83.363



38, 68.335, 213.363



38, 68.335, 263.363

Sweetspot

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



38, 68.332, 33.365



76, 22.454, 18.708



42, 83.488, 326.331



38, 15.487, 19.115



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, 68.332, 33.365



48, 95.189, 38.944



49, 57.427, 59.901



34, 3.818, 17.143



31, 68.741, 38.073



2, 7.812, 17.087

Inverse Universe

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



38, 68.332, 33.365



48, 95.189, 38.944



45, 42.311, 271.476



34, 3.818, 17.143



31, 68.741, 38.073



2, 7.812, 17.087

Previews

White Background



This preview shows how the CIELCh color 38, 68.335, 33.363 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, 68.335, 33.363 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, 68.335, 33.363

Background



This preview shows how black text looks on a background with the CIELCh color 38, 68.335, 33.363.



This preview shows how white text looks on a background with the CIELCh color 38, 68.335, 33.363.

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, 68.335, 33.363

Protanopia

39, 26.107, 96.343

Deuteranopia

38, 41.672, 82.804



Tritanopia
38, 69.864, 35.781

Trichromacy



Original Color
38, 68.335, 33.363

Protanomaly
36, 35.582, 49.032

Deuteranomaly
36, 47.701, 53.397

Tritanomaly
38, 69.304, 35.061

Monochromacy



Original Color
38, 68.335, 33.363

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 26.002, 23.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 68.335, 33.363 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(176, 27, 32)` looks like.

```
.text, #text, p{  
    color:rgb(176, 27, 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(176, 27, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 27, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 68.335, 33.363 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(176, 27, 32) }
```

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

```
.border{ border-color:rgb(176, 27, 32) }
```

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

Here you see how a box with a 4 pixel rgb(176, 27, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 27, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 27, 32);  
box-shadow:4px 4px 4px 4px rgb(176, 27,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 68.335, 33.363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 27, 32) }
```

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

```
.background{ background-color: rgb(176, 27,  
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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