

Converting Colors

CIELCh(33, 70.137, 38.899)

Have a look what the booklet for
CIELCh(33, 70.137, 38.899) contains.

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Color

CIELCh(33, 70.085, 38.834)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | 9E0B07 |
| RGB | 158, 11, 7 |
| RGB Percent | 62%, 4%, 3% |
| CMY | 0.3800, 0.9561, 0.9723 |
| CMYK | 0.00, 0.93, 0.96, 0.38 |
| HSL | 2°, 91%, 32% |
| HSV | 2°, 96%, 62% |
| XYZ | 14.2790, 7.5373, 0.9053 |
| YIQ | 54.4970, 88.8960, 29.9200 |

Conversions

Conversions Part 2

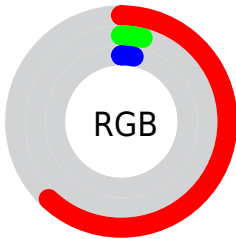
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 158, 11, 7 |
| Decimal | 10357511 |
| CIELab | 33.00, 54.59, 43.95 |
| CIELCh | 33, 70.085, 38.834 |
| Yxy | 7.5373, 0.6284, 0.3317 |
| Android (android.graphics.Color) | 4288547591 (0xFF9E0B07) |
| YUV | 54.4970, -23.4160, 90.7721 |
| Hunter-Lab | 27.4541, 44.7938, 17.2628 |

Details

The CIELCh color **33, 70.085, 38.834** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **58, 33.528, 200.571**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 70.223, 39.074**, and **18, 48.338, 35.275** is the 20% darker color. If you saturate the color by 10%, you get **33, 72.424, 40.049**, and if you desaturate by 10%, it is **34, 63.955, 36.011**.

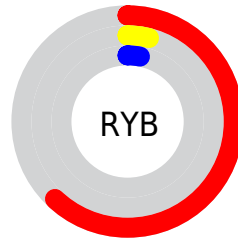
Distribution



Red (62%)

Green (4%)

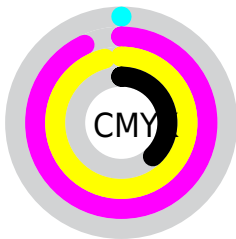
Blue (3%)



Red (62%)

Yellow (4%)

Blue (3%)

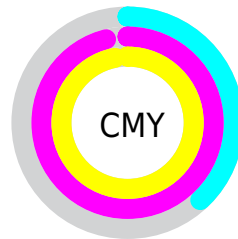


Cyan (0%)

Magenta (93%)

Yellow (96%)

Black (38%)



Cyan (38%)

Magenta (96%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 70.085, 38.834 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 33, 70.085, 38.834 by changing the saturation by 10% instead.

■ 33, 70.085, 38.834

■ 33, 70.085, 38.834

■ 100, 70.085,
38.834

■ 23, 70.085, 38.834

■ 53, 70.085, 38.834

■ 13, 70.085, 38.834

■ 63, 70.085, 38.834

■ 3, 70.085, 38.834

■ 73, 70.085, 38.834

■ 0, 70.085, 38.834

■ 83, 70.085, 38.834

■ 93, 70.085, 38.834

■ 33, 70.085, 38.834

■ 33, 70.085, 38.834

■ 33, 72.424, 40.049

■ 34, 63.955, 36.011

■ 36, 56.352, 32.867

■ 39, 48.174, 30.033

■ 42, 39.873, 27.712

■ 46, 31.725, 25.893

■ 50, 23.914, 24.494

■ 54, 16.551, 23.424

■ 58, 9.683, 22.596

■ 63, 3.314, 21.888

Harmonies

Complementary

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



33, 70.085, 38.834



58, 33.528, 200.571

Rectangle

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



33, 70.085, 38.834



33, 70.085, 88.834



33, 70.085, 218.834



33, 70.085, 268.834

Sweetspot

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



33, 70.082, 38.836



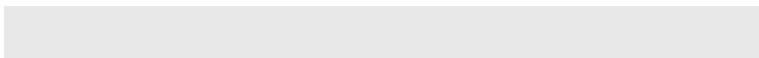
67, 23.739, 23.822



38, 78.915, 328.834



33, 16.668, 24.265



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



33, 70.082, 38.836



43, 88.852, 40.250



44, 57.082, 63.402



31, 3.440, 22.156



29, 66.715, 39.617



1, 4.358, 21.623

Inverse Universe

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



58, 33.528, 200.571



74, 41.149, 200.801



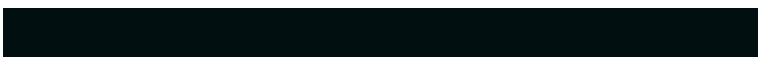
35, 49.219, 283.266



33, 3.248, 201.425



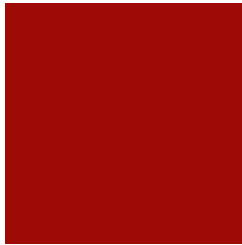
52, 31.354, 200.674



3, 4.324, 202.345

Previews

White Background



This preview shows how the CIELCh color 33, 70.085, 38.834 looks on a white background.

Color Contrast Check

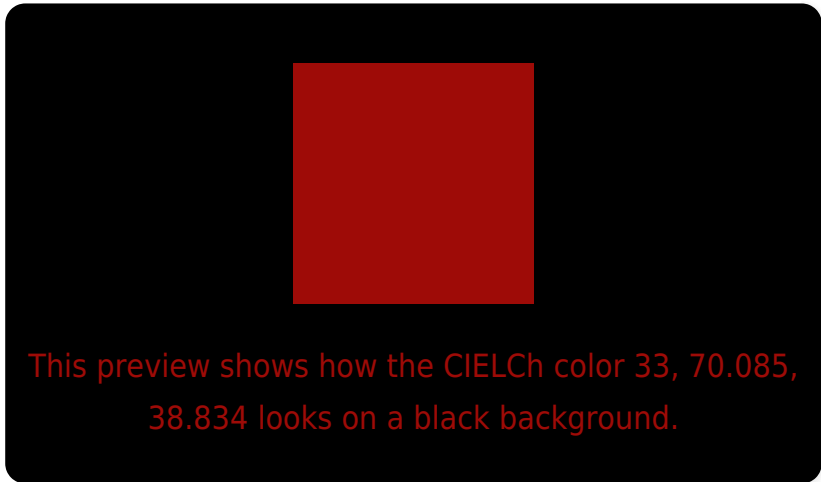
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33, 70.085, 38.834

Background



This preview shows how black text looks on a background with the CIELCh color 33, 70.085, 38.834.



This preview shows how white text looks on a background with the CIELCh color 33, 70.085, 38.834.

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

33, 70.085, 38.834

Protanopia

34, 34.204, 95.555

Deuteranopia

34, 42.715, 84.878



Tritanopia
33, 71.536, 40.946

Trichromacy



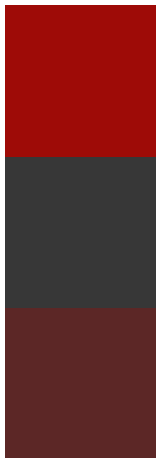
Original Color
33, 70.085, 38.834

Protanomaly
30, 41.583, 55.185

Deuteranomaly
31, 49.515, 55.433

Tritanomaly
33, 70.879, 40.075

Monochromacy



Original Color
33, 70.085, 38.834

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 27.195, 27.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 70.085, 38.834 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(158, 11, 7)` looks like.

```
.text, #text, p{  
    color:rgb(158, 11, 7)  
}
```

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(158, 11, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 11, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 70.085, 38.834 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(158, 11, 7) }
```

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

```
.border{ border-color:rgb(158, 11, 7) }
```

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

Here you see how a box with a 4 pixel rgb(158, 11, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 11, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 11, 7);  
box-shadow:4px 4px 4px 4px rgb(158, 11, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 70.085, 38.834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 11, 7) }
```

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

```
.background{ background-color: rgb(158, 11,  
7) }
```

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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