

Converting Colors

CIELCh(38, 37.935, 30.985)

Have a look what the booklet for
CIELCh(38, 37.935, 30.985) contains.

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Color

CIELCh(38, 37.845, 30.919)

Conversions

Conversions Part 1

Format	Color
Hex	90423C
RGB	144, 66, 60
RGB Percent	56%, 26%, 24%
CMY	0.4366, 0.7422, 0.7657
CMYK	0.00, 0.54, 0.58, 0.44
HSL	4°, 41%, 40%
HSV	4°, 58%, 56%
XYZ	14.1865, 10.0881, 5.4391
YIQ	88.6380, 48.4140, 14.6700

Conversions

Conversions Part 2

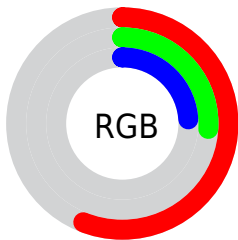
Format	Color
RYB	144, 66, 60
Decimal	9454140
CIELab	38.00, 32.47, 19.45
CIElCh	38, 37.845, 30.919
Yxy	10.0881, 0.4774, 0.3395
Android (android.graphics.Color)	4287644220 (0xFF90423C)
YUV	88.6380, -14.1185, 48.5525
Hunter-Lab	31.7617, 24.1448, 12.0800

Details

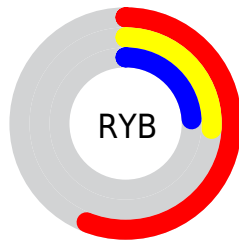
The CIELCh color **38, 37.845, 30.919** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **53, 24.252, 205.449**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 37.802, 31.088**, and **18, 37.816, 31.016** is the 20% darker color. If you saturate the color by 10%, you get **35, 45.497, 32.928**, and if you desaturate by 10%, it is **41, 30.376, 29.339**.

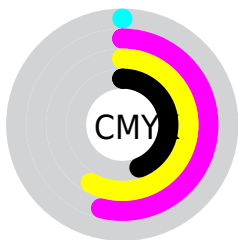
Distribution



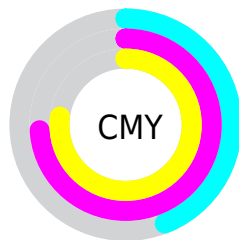
- Red (56%)
- Green (26%)
- Blue (24%)



- Red (56%)
- Yellow (26%)
- Blue (24%)



- Cyan (0%)
- Magenta (54%)
- Yellow (58%)
- Black (44%)



- Cyan (44%)
- Magenta (74%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 37.845, 30.919 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, 37.845, 30.919 by changing the saturation by 10% instead.

■ 38, 37.845, 30.919

■ 38, 37.845, 30.919

■ 100, 37.845,
30.919

■ 28, 37.845, 30.919

■ 58, 37.845, 30.919

■ 18, 37.845, 30.919

■ 68, 37.845, 30.919

■ 8, 37.845, 30.919

■ 78, 37.845, 30.919

■ 0, 37.845, 30.919

■ 88, 37.845, 30.919

■ 98, 37.845, 30.919

■ 38, 37.845, 30.919

■ 38, 37.845, 30.919

■ 35, 45.497, 32.928

■ 41, 30.376, 29.339

■ 33, 53.082, 35.327

■ 45, 23.250, 28.128

■ 31, 60.112, 37.865

■ 48, 16.550, 27.216

■ 30, 65.691, 40.001

■ 52, 10.310, 26.533

■ 30, 66.463, 40.370

■ 56, 4.528, 25.994

■ 60, 0.818, 206.275

■ 64, 5.765, 205.574

■ 69, 10.351,
205.376

■ 73, 14.616,
205.259

Harmonies

Complementary

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



38, 37.845, 30.919



53, 24.252, 205.449

Rectangle

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



38, 37.845, 30.919



38, 37.845, 80.919



38, 37.845, 210.919



38, 37.845, 260.919

Sweetspot

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



38, 37.843, 30.922



67, 12.444, 26.531



39, 53.504, 329.411



34, 8.808, 26.693



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



38, 37.843, 30.922



45, 57.872, 33.620



48, 33.149, 74.648



28, 3.031, 26.033



28, 63.162, 40.092



1, 1.979, 25.782

Inverse Universe

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



53, 24.252, 205.449



66, 32.892, 205.986



40, 30.227, 273.793



30, 2.862, 205.618



48, 28.626, 208.252



2, 1.979, 205.800

Previews

White Background



This preview shows how the CIELCh color 38, 37.845, 30.919 looks on a white background.

Color Contrast Check

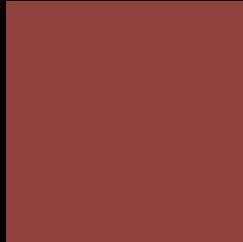
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 37.845, 30.919 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, 37.845, 30.919

Background



This preview shows how black text looks on a background with the CIELCh color 38, 37.845, 30.919.

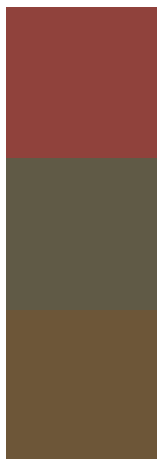


This preview shows how white text looks on a background with the CIELCh color 38, 37.845, 30.919.

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, 37.845, 30.919

Protanopia

38, 12.508, 95.487

Deuteranopia

38, 21.664, 76.128



Tritanopia
38, 36.901, 21.524

Trichromacy



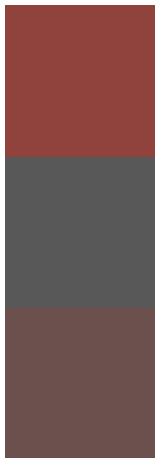
Original Color
38, 37.845, 30.919

Protanomaly
37, 18.043, 51.382

Deuteranomaly
38, 25.567, 52.792

Tritanomaly
38, 36.975, 24.962

Monochromacy



Original Color
38, 37.845, 30.919

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 12.780, 26.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 37.845, 30.919 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(144, 66, 60)` looks like.

```
.text, #text, p{  
    color:rgb(144, 66, 60)  
}
```

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(144, 66, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 66, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 37.845, 30.919 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(144, 66, 60) }
```

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

```
.border{ border-color:rgb(144, 66, 60) }
```

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

Here you see how a box with a 4 pixel rgb(144, 66, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 66, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 66, 60);  
box-shadow:4px 4px 4px 4px rgb(144, 66,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 37.845, 30.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 66, 60) }
```

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

```
.background{ background-color: rgb(144, 66,  
60) }
```

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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