

Converting Colors

CIELCh(38, 48.500, 30.295)

Have a look what the booklet for
CIELCh(38, 48.500, 30.295) contains.

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Color

CIELCh(38, 48.535, 30.388)

Conversions

Conversions Part 1

Format	Color
Hex	9C3734
RGB	156, 55, 52
RGB Percent	61%, 22%, 20%
CMY	0.3874, 0.7836, 0.7955
CMYK	0.00, 0.65, 0.67, 0.39
HSL	2°, 50%, 41%
HSV	2°, 67%, 61%
XYZ	15.7490, 10.0881, 4.3846
YIQ	84.8570, 61.1590, 20.4790

Conversions

Conversions Part 2

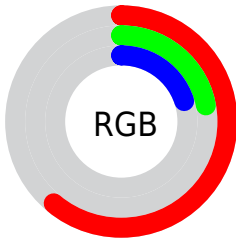
Format	Color
R_{YB}	156, 55, 52
Decimal	10237748
CIE Lab	38.00, 41.87, 24.55
CIE LCh	38, 48.535, 30.388
Yxy	10.0881, 0.5211, 0.3338
Android (android.graphics.Color)	4288427828 (0xFF9C3734)
YUV	84.8570, -16.1985, 62.3924
Hunter-Lab	31.7617, 32.9260, 14.0484

Details

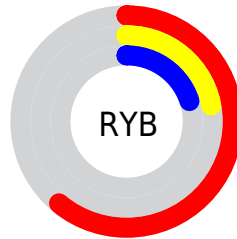
The CIELCh color **38, 48.535, 30.388** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **58, 29.210, 200.267**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 48.208, 30.280**, and **18, 47.186, 32.134** is the 20% darker color. If you saturate the color by 10%, you get **35, 56.603, 33.247**, and if you desaturate by 10%, it is **41, 40.312, 28.035**.

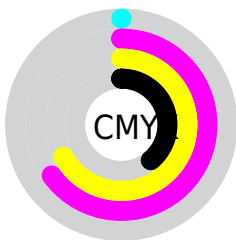
Distribution



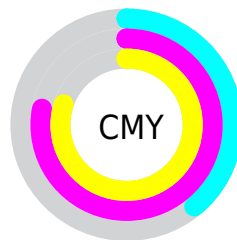
- Red (61%)
- Green (22%)
- Blue (20%)



- Red (61%)
- Yellow (22%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (67%)
- Black (39%)



- Cyan (39%)
- Magenta (78%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 48.535, 30.388 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, 48.535, 30.388 by changing the saturation by 10% instead.

■ 38, 48.535, 30.388

■ 38, 48.535, 30.388

■ 100, 48.535,
30.388

■ 28, 48.535, 30.388

■ 58, 48.535, 30.388

■ 18, 48.535, 30.388

■ 68, 48.535, 30.388

■ 8, 48.535, 30.388

■ 78, 48.535, 30.388

■ 0, 48.535, 30.388

■ 88, 48.535, 30.388

■ 98, 48.535, 30.388

■ 38, 48.535, 30.388

■ 38, 48.535, 30.388

■ 35, 56.603, 33.247

■ 41, 40.312, 28.035

34, 64.047, 36.368

45, 32.223, 26.182

33, 69.955, 39.133

49, 24.456, 24.756

32, 71.712, 40.035

53, 17.125, 23.666

57, 10.282, 22.825

61, 3.934, 22.126

66, 1.940, 202.003

71, 7.377, 201.462

75, 12.420,
201.155

Harmonies

Complementary

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



38, 48.535, 30.388



58, 29.210, 200.267

Rectangle

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



38, 48.535, 30.388



38, 48.535, 80.388



38, 48.535, 210.388



38, 48.535, 260.388

Sweetspot

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



38, 48.533, 30.391



71, 15.617, 23.119



41, 65.459, 328.146



36, 10.739, 23.337



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



38, 48.533, 30.391



46, 73.649, 34.794



49, 40.332, 68.722



31, 3.434, 22.310



29, 66.691, 39.647



1, 4.350, 21.774

Inverse Universe

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



58, 29.210, 200.267



73, 38.963, 200.452



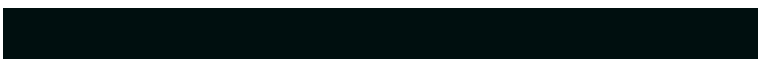
42, 34.222, 271.573



33, 3.242, 201.590



52, 31.280, 200.972



3, 4.314, 202.543

Previews

White Background



This preview shows how the CIELCh color 38, 48.535, 30.388 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, 48.535, 30.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

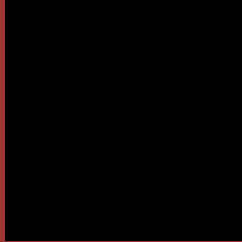
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 48.535, 30.388

Background



This preview shows how black text looks on a background with the CIELCh color 38, 48.535, 30.388.



This preview shows how white text looks on a background with the CIELCh color 38, 48.535, 30.388.

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, 48.535, 30.388

Protanopia

38, 14.979, 95.252

Deuteranopia

38, 26.942, 78.877



Tritanopia
38, 47.490, 25.921

Trichromacy



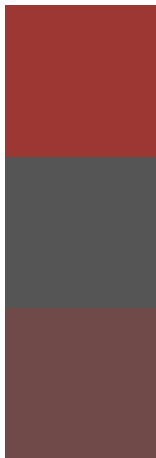
Original Color
38, 48.535, 30.388

Protanomaly
37, 22.998, 46.776

Deuteranomaly
37, 31.369, 51.942

Tritanomaly
38, 47.905, 27.281

Monochromacy



Original Color
38, 48.535, 30.388

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 17.110, 24.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 48.535, 30.388 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(156, 55, 52)` looks like.

```
.text, #text, p{  
    color:rgb(156, 55, 52)  
}
```

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(156, 55, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 55, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 48.535, 30.388 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(156, 55, 52) }
```

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

```
.border{ border-color:rgb(156, 55, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 55, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 55, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 55, 52);  
box-shadow:4px 4px 4px 4px rgb(156, 55,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 48.535, 30.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 55, 52) }
```

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

```
.background{ background-color: rgb(156, 55,  
52) }
```

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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