

Converting Colors

CIELCh(38, 33.696, 33.224)

Have a look what the booklet for
CIELCh(38, 33.696, 33.224) contains.

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Color

CIELCh(38, 33.567, 33.606)

Conversions

Conversions Part 1

Format	Color
Hex	8A463D
RGB	138, 70, 61
RGB Percent	54%, 27%, 24%
CMY	0.4595, 0.7260, 0.7613
CMYK	0.00, 0.49, 0.56, 0.46
HSL	7°, 39%, 39%
HSV	7°, 56%, 54%
XYZ	13.4750, 10.0881, 5.6334
YIQ	89.3060, 43.4170, 11.6170

Conversions

Conversions Part 2

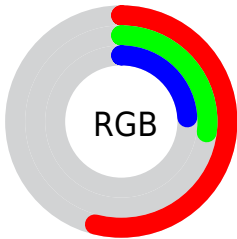
Format	Color
R_{YB}	138, 71, 61
Decimal	9061949
CIE Lab	38.00, 27.96, 18.58
CIE LCh	38, 33.567, 33.606
Yxy	10.0881, 0.4615, 0.3455
Android (android.graphics.Color)	4287252029 (0xFF8A463D)
YUV	89.3060, -13.9549, 42.7046
Hunter-Lab	31.7617, 20.1461, 11.7172

Details

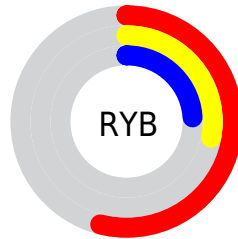
The CIELCh color **38, 33.567, 33.606** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **50, 21.927, 211.381**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 33.605, 33.327**, and **18, 33.552, 33.418** is the 20% darker color. If you saturate the color by 10%, you get **35, 40.843, 35.076**, and if you desaturate by 10%, it is **41, 26.584, 32.480**.

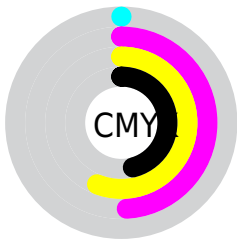
Distribution



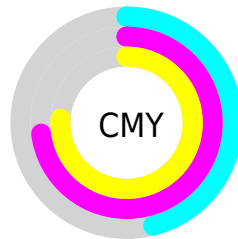
- Red (54%)
- Green (27%)
- Blue (24%)



- Red (54%)
- Yellow (28%)
- Blue (24%)



- Cyan (0%)
- Magenta (49%)
- Yellow (56%)
- Black (46%)



- Cyan (46%)
- Magenta (73%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 33.567, 33.606 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, 33.567, 33.606 by changing the saturation by 10% instead.

38, 33.567, 33.606

38, 33.567, 33.606

100, 33.567,
33.606

28, 33.567, 33.606

58, 33.567, 33.606

18, 33.567, 33.606

68, 33.567, 33.606

8, 33.567, 33.606

78, 33.567, 33.606

0, 33.567, 33.606

88, 33.567, 33.606

98, 33.567, 33.606

38, 33.567, 33.606

38, 33.567, 33.606

35, 40.843, 35.076

41, 26.584, 32.480

■ 33, 48.227, 36.868

■ 44, 20.000, 31.645

■ 31, 55.345, 38.827

■ 48, 13.855, 31.047

■ 29, 61.379, 40.438

■ 52, 8.158, 30.627

■ 29, 63.523, 41.124

■ 55, 2.889, 30.280

■ 59, 1.980, 210.498

■ 63, 6.488, 210.293

■ 67, 10.672,
210.273

■ 70, 14.569,
210.315

Harmonies

Complementary

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



38, 33.567, 33.606



50, 21.927, 211.381

Rectangle

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



38, 33.567, 33.606



38, 33.567, 83.606



38, 33.567, 213.606



38, 33.567, 263.606

Sweetspot

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



38, 33.565, 33.609



65, 10.879, 30.682



38, 48.191, 330.983



33, 7.298, 30.746



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 33.565, 33.609



45, 51.700, 35.513



48, 31.274, 79.607



27, 2.827, 30.404



28, 61.484, 40.961



0, 1.269, 30.324

Inverse Universe

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



50, 21.927, 211.381



62, 29.982, 212.408



38, 29.966, 277.441



28, 2.670, 210.334



45, 27.209, 216.985



1, 1.269, 210.343

Previews

White Background



This preview shows how the CIELCh color 38, 33.567, 33.606 looks on a white background.

Color Contrast Check

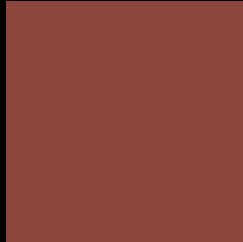
Large Text (above 18pt) WCAG AA ✓ Pass

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, 33.567, 33.606 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, 33.567, 33.606

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.567, 33.606.

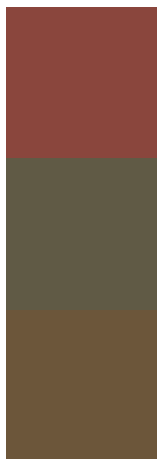


This preview shows how white text looks on a background with the CIELCh color 38, 33.567, 33.606.

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, 33.567, 33.606

Protanopia

38, 13.101, 95.934

Deuteranopia

38, 20.334, 75.866



Tritanopia
38, 32.600, 19.899

Trichromacy



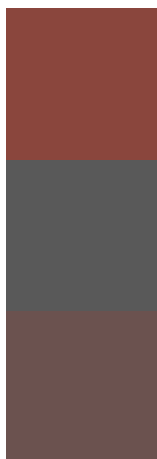
Original Color
38, 33.567, 33.606

Protanomaly
38, 17.125, 57.701

Deuteranomaly
38, 23.406, 54.104

Tritanomaly
38, 32.724, 24.886

Monochromacy



Original Color
38, 33.567, 33.606

Achromatopsia
38, 0.005, 296.813

Achromatomaly
37, 11.471, 30.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.567, 33.606 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(138, 70, 61)` looks like.

```
.text, #text, p{  
    color:rgb(138, 70, 61)  
}
```

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(138, 70, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 70, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.567, 33.606 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(138, 70, 61) }
```

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

```
.border{ border-color:rgb(138, 70, 61) }
```

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

Here you see how a box with a 4 pixel rgb(138, 70, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 70, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 70, 61);  
box-shadow:4px 4px 4px 4px rgb(138, 70,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.567, 33.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 70, 61) }
```

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

```
.background{ background-color: rgb(138, 70,  
61) }
```

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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