

Converting Colors

CIELCh(48, 38.236, 35.223)

Have a look what the booklet for
CIELCh(48, 38.236, 35.223) contains.

CIELCh(48, 38.318, 35.256)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(48, 38.318, 35.256)

Conversions

Conversions Part 1

Format	Color
Hex	AB5B4E
RGB	171, 91, 78
RGB Percent	67%, 36%, 31%
CMY	0.3279, 0.6418, 0.6929
CMYK	0.00, 0.47, 0.54, 0.33
HSL	8°, 37%, 49%
HSV	8°, 54%, 67%
XYZ	22.0337, 16.7945, 9.3469
YIQ	113.4380, 51.8530, 12.9170

Conversions

Conversions Part 2

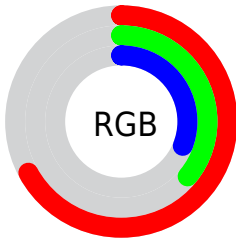
Format	Color
R_{YB}	171, 93, 78
Decimal	11230030
CIE Lab	48.00, 31.29, 22.12
CIE LCh	48, 38.318, 35.256
Yxy	16.7945, 0.4574, 0.3486
Android (android.graphics.Color)	4289420110 (0xFFAB5B4E)
YUV	113.4380, -17.4709, 50.4819
Hunter-Lab	40.9810, 24.2548, 15.1640

Details

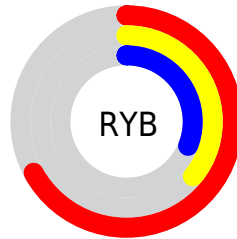
The CIELCh color **48, 38.318, 35.256** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **61, 25.150, 214.563**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 38.445, 35.707**, and **28, 38.725, 35.372** is the 20% darker color. If you saturate the color by 10%, you get **45, 46.927, 36.526**, and if you desaturate by 10%, it is **52, 30.104, 34.306**.

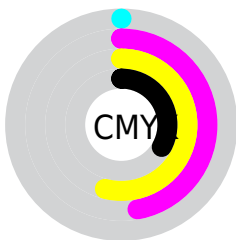
Distribution



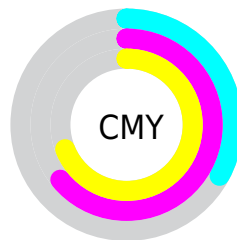
- Red (67%)
- Green (36%)
- Blue (31%)



- Red (67%)
- Yellow (36%)
- Blue (31%)



- Cyan (0%)
- Magenta (47%)
- Yellow (54%)
- Black (33%)



- Cyan (33%)
- Magenta (64%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 38.318, 35.256 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 48, 38.318, 35.256 by changing the saturation by 10% instead.

 48, 38.318, 35.256

 48, 38.318, 35.256

 100, 38.318,
35.256

 38, 38.318, 35.256

 68, 38.318, 35.256

 28, 38.318, 35.256

 78, 38.318, 35.256

 18, 38.318, 35.256

 88, 38.318, 35.256

 8, 38.318, 35.256

 98, 38.318, 35.256

 0, 38.318, 35.256

 48, 38.318, 35.256

 48, 38.318, 35.256

 45, 46.927, 36.526

 52, 30.104, 34.306

 42, 55.720, 38.090

 56, 22.395, 33.626

■ 39, 64.249, 39.791

■ 60, 15.228, 33.166

■ 37, 71.539, 41.124

■ 64, 8.600, 32.869

■ 37, 75.208, 42.023

■ 68, 2.484, 32.592

■ 73, 3.161, 212.913

■ 77, 8.383, 212.860

■ 81, 13.229,
212.938

■ 86, 17.742,
213.070

Harmonies

Complementary

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



48, 38.318, 35.256



61, 25.150, 214.563

Rectangle

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



48, 38.318, 35.256



48, 38.318, 85.256



48, 38.318, 215.256



48, 38.318, 265.256

Sweetspot

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



48, 38.316, 35.260



80, 11.964, 32.918



48, 55.446, 331.552



42, 8.209, 32.972



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



48, 38.316, 35.260



57, 58.844, 36.793



59, 36.666, 81.150



34, 3.367, 32.754



32, 67.827, 41.944



2, 7.014, 30.043

Inverse Universe

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



61, 25.150, 214.563



75, 34.450, 215.814



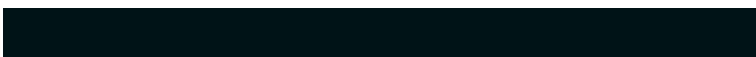
47, 35.634, 278.662



36, 3.174, 212.857



50, 29.494, 222.027



5, 6.627, 219.022

Previews

White Background



This preview shows how the CIELCh color 48, 38.318, 35.256 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 48, 38.318, 35.256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

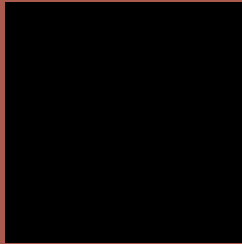
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 38.318, 35.256

Background



This preview shows how black text looks on a background with the CIELCh color 48, 38.318, 35.256.



This preview shows how white text looks on a background with the CIELCh color 48, 38.318, 35.256.

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

48, 38.318, 35.256

Protanopia

48, 15.617, 95.004

Deuteranopia

48, 24.299, 73.836



Tritanopia
48, 36.916, 19.485

Trichromacy



Original Color
48, 38.318, 35.256

Protanomaly
48, 20.467, 59.288

Deuteranomaly
48, 27.615, 55.614

Tritanomaly
48, 36.824, 25.408

Monochromacy



Original Color
48, 38.318, 35.256

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 12.937, 33.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 38.318, 35.256 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(171, 91, 78)` looks like.

```
.text, #text, p{  
    color:rgb(171, 91, 78)  
}
```

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(171, 91, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 91, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 38.318, 35.256 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(171, 91, 78) }
```

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

```
.border{ border-color:rgb(171, 91, 78) }
```

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

Here you see how a box with a 4 pixel rgb(171, 91, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 91, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 91, 78);  
box-shadow:4px 4px 4px 4px rgb(171, 91,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 38.318, 35.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 91, 78) }
```

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

```
.background{ background-color: rgb(171, 91,  
78) }
```

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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