

Converting Colors

CIELCh(48, 47.439, 38.255)

Have a look what the booklet for
CIELCh(48, 47.439, 38.255) contains.

CIELCh(48, 47.655, 38.198)	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, 47.655, 38.198)

Conversions

Conversions Part 1

Format	Color
Hex	B55542
RGB	181, 85, 66
RGB Percent	71%, 33%, 26%
CMY	0.2890, 0.6656, 0.7402
CMYK	0.00, 0.53, 0.63, 0.29
HSL	10°, 46%, 49%
HSV	10°, 63%, 71%
XYZ	23.3864, 16.7945, 7.1999
YIQ	111.5380, 63.3150, 14.4430

Conversions

Conversions Part 2

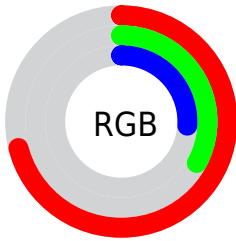
Format	Color
RYB	181, 89, 66
Decimal	11883842
CIELab	48.00, 37.45, 29.47
CIElCh	48, 47.655, 38.198
Yxy	16.7945, 0.4936, 0.3545
Android (android.graphics.Color)	4290073922 (0xFFB55542)
YUV	111.5380, -22.4502, 60.9182
Hunter-Lab	40.9810, 30.1469, 18.2701

Details

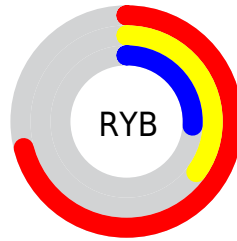
The CIELCh color **48, 47.655, 38.198** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **62, 28.639, 219.453**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 47.692, 38.465**, and **28, 47.719, 38.475** is the 20% darker color. If you saturate the color by 10%, you get **45, 56.802, 39.483**, and if you desaturate by 10%, it is **51, 38.751, 37.179**.

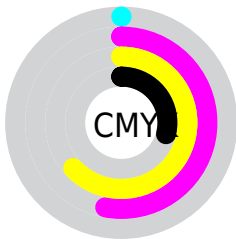
Distribution



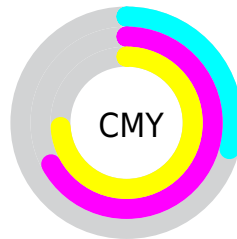
- Red (71%)
- Green (33%)
- Blue (26%)



- Red (71%)
- Yellow (35%)
- Blue (26%)



- Cyan (0%)
- Magenta (53%)
- Yellow (63%)
- Black (29%)



- Cyan (29%)
- Magenta (67%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 47.655, 38.198 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, 47.655, 38.198 by changing the saturation by 10% instead.

 48, 47.655, 38.198

 48, 47.655, 38.198

 100, 47.655,
38.198

 38, 47.655, 38.198

 68, 47.655, 38.198

 28, 47.655, 38.198

 78, 47.655, 38.198

 18, 47.655, 38.198

 88, 47.655, 38.198

 8, 47.655, 38.198

 98, 47.655, 38.198

 0, 47.655, 38.198

 48, 47.655, 38.198

 48, 47.655, 38.198

 45, 56.802, 39.483

 51, 38.751, 37.179

 42, 65.753, 40.873

 55, 30.303, 36.434

40, 73.531, 41.907

59, 22.400, 35.934

39, 77.834, 42.558

64, 15.068, 35.632

68, 8.296, 35.472

72, 2.049, 35.275

77, 3.718, 215.745

81, 9.055, 215.815

86, 14.011,
215.996

Harmonies

Complementary

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



48, 47.655, 38.198



62, 28.639, 219.453

Rectangle

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



48, 47.655, 38.198



48, 47.655, 88.198



48, 47.655, 218.198



48, 47.655, 268.198

Sweetspot

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



48, 47.653, 38.201



83, 14.786, 35.552



48, 65.030, 332.764



42, 10.288, 35.604



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



48, 47.653, 38.201



57, 73.087, 40.014



61, 45.357, 81.197



36, 3.467, 35.427



33, 69.094, 42.671



3, 9.512, 30.743

Inverse Universe

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



62, 28.639, 219.453



76, 38.301, 221.901



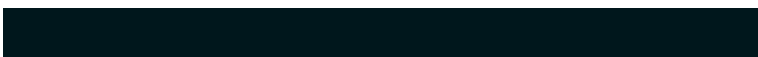
46, 44.999, 282.732



38, 3.269, 215.746



50, 30.097, 227.525



6, 8.652, 223.513

Previews

White Background



This preview shows how the CIELCh color 48, 47.655, 38.198 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 48, 47.655, 38.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

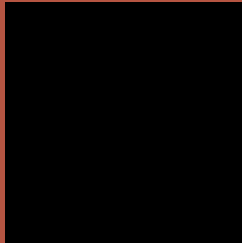
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 47.655, 38.198

Background



This preview shows how black text looks on a background with the CIELCh color 48, 47.655, 38.198.

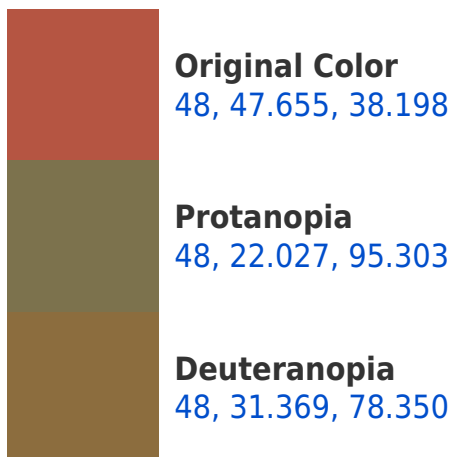


This preview shows how white text looks on a background with the CIELCh color 48, 47.655, 38.198.

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





Tritanopia
48, 44.673, 21.917

Trichromacy



Original Color
48, 47.655, 38.198

Protanomaly
47, 26.988, 62.332

Deuteranomaly
48, 34.650, 57.976

Tritanomaly
48, 45.208, 28.071

Monochromacy



Original Color
48, 47.655, 38.198

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 16.075, 35.933

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 47.655, 38.198 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(181, 85, 66)` looks like.

```
.text, #text, p{  
    color:rgb(181, 85, 66)  
}
```

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(181, 85, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 85, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 47.655, 38.198 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(181, 85, 66) }
```

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

```
.border{ border-color:rgb(181, 85, 66) }
```

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

Here you see how a box with a 4 pixel rgb(181, 85, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 85, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 85, 66);  
box-shadow:4px 4px 4px 4px rgb(181, 85,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 47.655, 38.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 85, 66) }
```

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

```
.background{ background-color: rgb(181, 85,  
66) }
```

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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