

Converting Colors

CIELCh(50, 48.047, 39.730)

Have a look what the booklet for
CIELCh(50, 48.047, 39.730) contains.

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Color

CIELCh(50, 47.948, 39.699)

Conversions

Conversions Part 1

Format	Color
Hex	BB5B45
RGB	187, 91, 69
RGB Percent	73%, 36%, 27%
CMY	0.2675, 0.6438, 0.7300
CMYK	0.00, 0.51, 0.63, 0.27
HSL	11°, 46%, 50%
HSV	11°, 63%, 73%
XYZ	25.2384, 18.4187, 7.8291
YIQ	117.1960, 64.2780, 13.5100

Conversions

Conversions Part 2

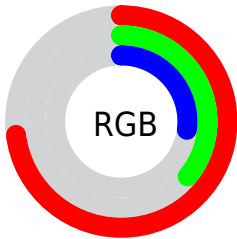
Format	Color
R _Y B	187, 96, 69
Decimal	12278597
CIE Lab	50.00, 36.89, 30.63
CIE LCh	50, 47.948, 39.699
Yxy	18.4187, 0.4902, 0.3577
Android (android.graphics.Color)	4290468677 (0xFFBB5B45)
YUV	117.1960, -23.7606, 61.2181
Hunter-Lab	42.9170, 29.8669, 19.2260

Details

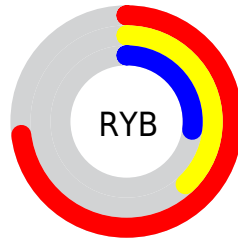
The CIELCh color **50, 47.948, 39.699** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **63, 29.009, 222.764**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 47.773, 39.485**, and **30, 47.557, 39.598** is the 20% darker color. If you saturate the color by 10%, you get **47, 57.256, 40.758**, and if you desaturate by 10%, it is **54, 38.919, 38.874**.

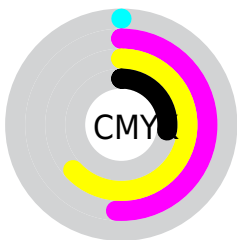
Distribution



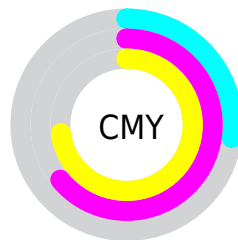
- Red (73%)
- Green (36%)
- Blue (27%)



- Red (73%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (63%)
- Black (27%)



- Cyan (27%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 47.948, 39.699 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 50, 47.948, 39.699 by changing the saturation by 10% instead.

■ 50, 47.948, 39.699

■ 50, 47.948, 39.699

■ 100, 47.948,
39.699

■ 40, 47.948, 39.699

■ 70, 47.948, 39.699

■ 30, 47.948, 39.699

■ 80, 47.948, 39.699

■ 20, 47.948, 39.699

■ 90, 47.948, 39.699

■ 10, 47.948, 39.699

■ 0, 47.948, 39.699

■ 50, 47.948, 39.699

■ 50, 47.948, 39.699

■ 47, 57.256, 40.758

■ 54, 38.919, 38.874

■ 44, 66.405, 41.892

■ 57, 30.375, 38.294

■ 42, 74.411, 42.658

■ 61, 22.396, 37.937

41, 78.995, 43.081

66, 15.003, 37.761

70, 8.176, 37.713

74, 1.878, 37.594

79, 3.939, 218.180

83, 9.327, 218.344

88, 14.333,
218.608

Harmonies

Complementary

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



50, 47.948, 39.699



63, 29.009, 222.764

Rectangle

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



50, 47.948, 39.699



50, 47.948, 89.699



50, 47.948, 219.699



50, 47.948, 269.699

Sweetspot

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



50, 47.946, 39.702



85, 14.971, 37.731



49, 64.878, 334.103



44, 10.512, 37.751



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



50, 47.946, 39.702



59, 74.206, 41.229



64, 47.093, 84.025



38, 3.499, 37.710



34, 69.453, 43.304



4, 10.885, 31.603

Inverse Universe

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



63, 29.009, 222.764



78, 39.088, 225.671



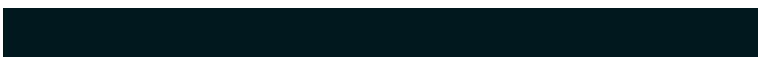
46, 48.173, 285.072



39, 3.301, 218.213



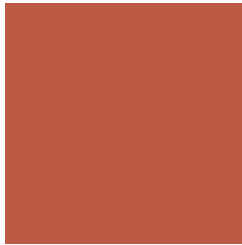
50, 30.550, 232.120



7, 9.541, 226.225

Previews

White Background



This preview shows how the CIELCh color 50, 47.948, 39.699 looks on a white background.

Color Contrast Check

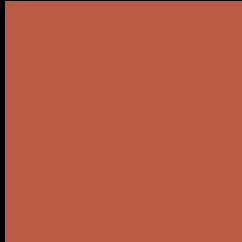
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 50, 47.948, 39.699 looks on a black 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

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

CIELCh 50, 47.948, 39.699

Background



This preview shows how black text looks on a background with the CIELCh color 50, 47.948, 39.699.



This preview shows how white text looks on a background with the CIELCh color 50, 47.948, 39.699.

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

50, 47.948, 39.699

Protanopia

50, 23.083, 94.736

Deuteranopia

50, 32.865, 78.903



Tritanopia
50, 43.844, 21.420

Trichromacy



Original Color
50, 47.948, 39.699

Protanomaly
50, 27.943, 63.280

Deuteranomaly
50, 35.893, 60.417

Tritanomaly
50, 44.923, 28.413

Monochromacy



Original Color
50, 47.948, 39.699

Achromatopsia
49, 0.007, 296.813

Achromatomaly
48, 16.126, 37.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 47.948, 39.699 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(187, 91, 69)` looks like.

```
.text, #text, p{  
    color:rgb(187, 91, 69)  
}
```

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(187, 91, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 91, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 47.948, 39.699 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(187, 91, 69) }
```

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

```
.border{ border-color:rgb(187, 91, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 91, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 91, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 91, 69);  
box-shadow:4px 4px 4px 4px rgb(187, 91,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 47.948, 39.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 91, 69) }
```

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

```
.background{ background-color: rgb(187, 91,  
69) }
```

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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