

Converting Colors

CIELCh(48, 46.026, 30.274)

Have a look what the booklet for
CIELCh(48, 46.026, 30.274) contains.

CIELCh(48, 46.270, 30.116)	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, 46.270, 30.116)

Conversions

Conversions Part 1

Format	Color
Hex	B7534D
RGB	183, 83, 77
RGB Percent	72%, 33%, 30%
CMY	0.2823, 0.6744, 0.6980
CMYK	0.00, 0.55, 0.58, 0.28
HSL	3°, 42%, 51%
HSV	3°, 58%, 72%
XYZ	23.9674, 16.7945, 9.0023
YIQ	112.2160, 61.5260, 19.3340

Conversions

Conversions Part 2

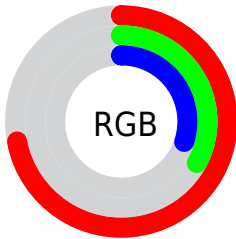
Format	Color
RYB	183, 83, 77
Decimal	12014413
CIELab	48.00, 40.02, 23.22
CIELCh	48, 46.270, 30.116
Yxy	16.7945, 0.4816, 0.3375
Android (android.graphics.Color)	4290204493 (0xFFB7534D)
YUV	112.2160, -17.3615, 62.0776
Hunter-Lab	40.9810, 32.6771, 15.6625

Details

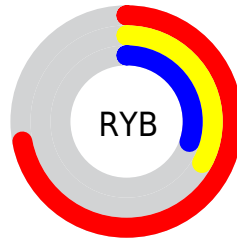
The CIELCh color **48, 46.270, 30.116** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **67, 29.593, 203.610**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 46.377, 29.960**, and **28, 46.312, 29.799** is the 20% darker color. If you saturate the color by 10%, you get **45, 55.611, 32.341**, and if you desaturate by 10%, it is **52, 37.103, 28.366**.

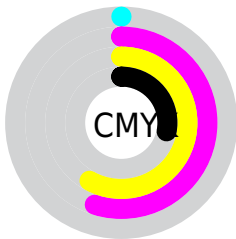
Distribution



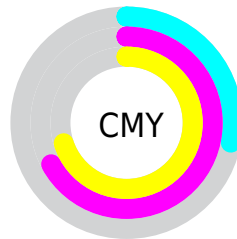
- Red (72%)
- Green (33%)
- Blue (30%)



- Red (72%)
- Yellow (33%)
- Blue (30%)



- Cyan (0%)
- Magenta (55%)
- Yellow (58%)
- Black (28%)



- Cyan (28%)
- Magenta (67%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 46.270, 30.116 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, 46.270, 30.116 by changing the saturation by 10% instead.

 48, 46.270, 30.116

 48, 46.270, 30.116

 100, 46.270,
30.116

 38, 46.270, 30.116

 68, 46.270, 30.116

 28, 46.270, 30.116

 78, 46.270, 30.116

 18, 46.270, 30.116

 88, 46.270, 30.116

 8, 46.270, 30.116

 98, 46.270, 30.116

 0, 46.270, 30.116

 48, 46.270, 30.116

 48, 46.270, 30.116

 45, 55.611, 32.341

 52, 37.103, 28.366

 42, 64.786, 34.992

 56, 28.329, 27.025

40, 73.134, 37.757

61, 20.069, 26.012

39, 79.491, 40.008

66, 12.376, 25.249

38, 80.725, 40.603

70, 5.253, 24.640

75, 1.326, 204.728

81, 7.405, 204.113

86, 13.035,
203.873

91, 18.267,
203.715

Harmonies

Complementary

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



48, 46.270, 30.116



67, 29.593, 203.610

Rectangle

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



48, 46.270, 30.116



48, 46.270, 80.116



48, 46.270, 210.116



48, 46.270, 260.116

Sweetspot

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



48, 46.268, 30.119



83, 14.455, 25.207



50, 65.224, 328.894



43, 9.826, 25.341



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



48, 46.268, 30.119



56, 71.185, 33.159



60, 39.828, 72.995



36, 3.789, 24.724



32, 71.101, 40.416



3, 10.209, 23.003

Inverse Universe

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



67, 29.593, 203.610



83, 40.296, 203.990



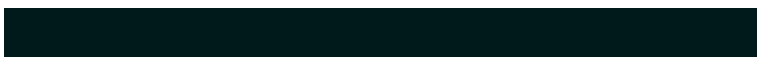
51, 35.653, 272.374



38, 3.571, 204.172



55, 32.191, 205.748



8, 9.637, 205.810

Previews

White Background



This preview shows how the CIELCh color 48, 46.270, 30.116 looks on a white background.

Color Contrast Check

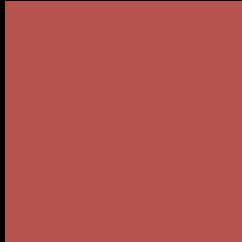
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.270, 30.116 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, 46.270, 30.116

Background



This preview shows how black text looks on a background with the CIELCh color 48, 46.270, 30.116.



This preview shows how white text looks on a background with the CIELCh color 48, 46.270, 30.116.

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, 46.270, 30.116

Protanopia

48, 14.483, 94.194

Deuteranopia

48, 25.804, 75.563



Tritanopia
48, 45.235, 22.738

Trichromacy



Original Color
48, 46.270, 30.116

Protanomaly
47, 21.793, 49.895

Deuteranomaly
48, 30.252, 51.474

Tritanomaly
48, 45.859, 25.542

Monochromacy



Original Color
48, 46.270, 30.116

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 16.192, 25.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 46.270, 30.116 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(183, 83, 77)` looks like.

```
.text, #text, p{  
    color:rgb(183, 83, 77)  
}
```

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(183, 83, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 83, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 46.270, 30.116 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(183, 83, 77) }
```

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

```
.border{ border-color:rgb(183, 83, 77) }
```

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

Here you see how a box with a 4 pixel rgb(183, 83, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 83, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 83, 77);  
box-shadow:4px 4px 4px 4px rgb(183, 83,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 46.270, 30.116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 83, 77) }
```

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

```
.background{ background-color: rgb(183, 83,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor