

Converting Colors

CIELCh(47, 70.792, 52.480)

Have a look what the booklet for
CIELCh(47, 70.792, 52.480) contains.

CIELCh(47, 70.617, 52.683)	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(47, 70.617, 52.683)

Conversions

Conversions Part 1

Format	Color
Hex	BD4C04
RGB	189, 76, 4
RGB Percent	74%, 30%, 2%
CMY	0.2585, 0.7016, 0.9839
CMYK	0.00, 0.60, 0.98, 0.26
HSL	23°, 96%, 38%
HSV	23°, 98%, 74%
XYZ	23.6220, 16.0195, 1.9649
YIQ	101.5790, 90.4600, 1.5640

Conversions

Conversions Part 2

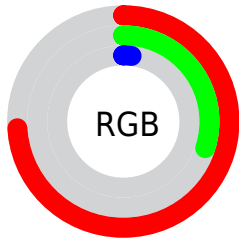
Format	Color
RYB	189, 122, 4
Decimal	12405764
CIELab	47.00, 42.81, 56.16
CIELCh	47, 70.617, 52.683
Yxy	16.0195, 0.5677, 0.3850
Android (android.graphics.Color)	4290595844 (0xFFBD4C04)
YUV	101.5790, -48.1064, 76.6682
Hunter-Lab	40.0243, 35.3065, 25.1063

Details

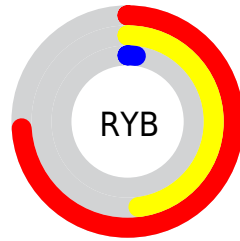
The CIELCh color **47, 70.617, 52.683** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **48, 45.269, 269.869**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 70.642, 52.624**, and **27, 58.229, 42.431** is the 20% darker color. If you saturate the color by 10%, you get **47, 71.947, 52.363**, and if you desaturate by 10%, it is **49, 64.429, 54.495**.

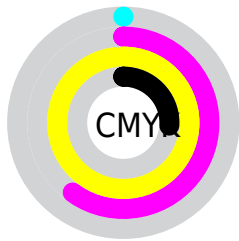
Distribution



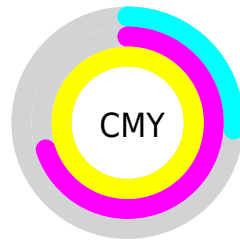
- Red (74%)
- Green (30%)
- Blue (2%)



- Red (74%)
- Yellow (48%)
- Blue (2%)



- Cyan (0%)
- Magenta (60%)
- Yellow (98%)
- Black (26%)



- Cyan (26%)
- Magenta (70%)
- Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 70.617, 52.683 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 47, 70.617, 52.683 by changing the saturation by 10% instead.

47, 70.617, 52.683

47, 70.617, 52.683

100, 70.617,
52.683

37, 70.617, 52.683

67, 70.617, 52.683

27, 70.617, 52.683

77, 70.617, 52.683

17, 70.617, 52.683

87, 70.617, 52.683

7, 70.617, 52.683

97, 70.617, 52.683

0, 70.617, 52.683

47, 70.617, 52.683

47, 70.617, 52.683

47, 71.947, 52.363

49, 64.429, 54.495

52, 56.745, 55.683

■ 55, 48.450, 56.555

■ 57, 40.168, 57.343

■ 61, 32.190, 58.144

■ 64, 24.633, 58.990

■ 67, 17.529, 59.882

■ 70, 10.869, 60.805

■ 74, 4.621, 61.716

Harmonies

Complementary

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



47, 70.617, 52.683



48, 45.269, 269.869

Rectangle

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



47, 70.617, 52.683



47, 70.617, 102.683



47, 70.617, 232.683



47, 70.617, 282.683

Sweetspot

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



47, 70.615, 52.685



84, 22.653, 59.733



42, 70.165, 350.947



43, 15.759, 59.350



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 70.615, 52.685



60, 87.810, 51.746



69, 70.974, 94.902



38, 3.356, 61.583



39, 62.741, 52.892



5, 10.094, 48.066

Inverse Universe

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



48, 45.269, 269.869



60, 56.661, 271.783



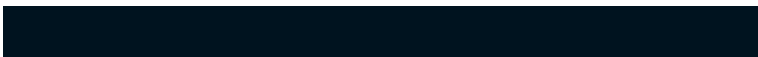
25, 99.325, 304.329



38, 3.231, 243.653



39, 39.961, 270.152



5, 10.360, 257.411

Previews

White Background



This preview shows how the CIELCh color 47, 70.617, 52.683 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 47, 70.617, 52.683 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 47, 70.617, 52.683

Background



This preview shows how black text looks on a background with the CIELCh color 47, 70.617, 52.683.



This preview shows how white text looks on a background with the CIELCh color 47, 70.617, 52.683.

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

47, 70.617, 52.683

Protanopia

47, 48.863, 95.378

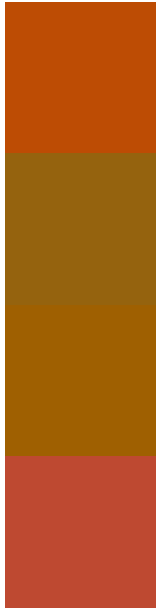
Deuteranopia

47, 54.371, 84.201



Tritanopia
47, 53.839, 25.870

Trichromacy



Original Color
47, 70.617, 52.683

Protanomaly
46, 52.169, 74.808

Deuteranomaly
47, 57.883, 70.062

Tritanomaly
47, 59.596, 39.907

Monochromacy



Original Color
47, 70.617, 52.683

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 25.900, 58.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 70.617, 52.683 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(189, 76, 4)` looks like.

```
.text, #text, p{  
    color:rgb(189, 76, 4)  
}
```

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(189, 76, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 76, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 70.617, 52.683 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(189, 76, 4) }
```

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

```
.border{ border-color:rgb(189, 76, 4) }
```

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

Here you see how a box with a 4 pixel rgb(189, 76, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 76, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 76, 4);  
box-shadow:4px 4px 4px 4px rgb(189, 76, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 70.617, 52.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 76, 4) }
```

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

```
.background{ background-color: rgb(189, 76,  
4) }
```

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