

Converting Colors

CIELCh(46, 72.461, 51.377)

Have a look what the booklet for
CIELCh(46, 72.461, 51.377) contains.

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Color

CIELCh(46, 72.453, 51.519)

Conversions

Conversions Part 1

Format	Color
Hex	BD4700
RGB	189, 71, 0
RGB Percent	74%, 28%, 0%
CMY	0.2598, 0.7223, 1.0000
CMYK	0.00, 0.62, 1.00, 0.26
HSL	23°, 100%, 37%
HSV	23°, 100%, 74%
XYZ	23.1660, 15.2687, 1.7197
YIQ	98.1880, 93.1190, 2.9350

Conversions

Conversions Part 2

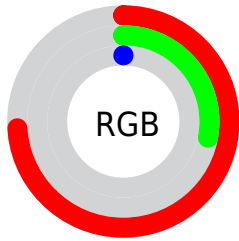
Format	Color
RYB	189, 114, 0
Decimal	12404480
CIELab	46.00, 45.08, 56.72
CIELCh	46, 72.453, 51.519
Yxy	15.2687, 0.5769, 0.3802
Android (android.graphics.Color)	4290594560 (0xFFBD4700)
YUV	98.1880, -48.4067, 79.6421
Hunter-Lab	39.0751, 37.4437, 24.7433

Details

The CIELCh color **46, 72.453, 51.519** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **48, 44.771, 268.848**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.217, 51.722**, and **26, 59.491, 40.395** is the 20% darker color. If you saturate the color by 10%, you get **46, 72.404, 51.489**, and if you desaturate by 10%, it is **48, 66.246, 53.154**.

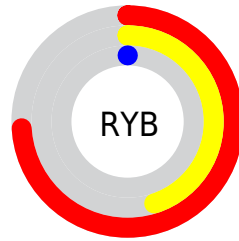
Distribution



Red (74%)

Green (28%)

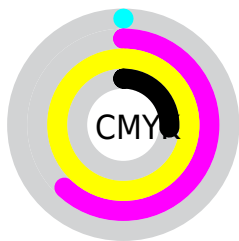
Blue (0%)



Red (74%)

Yellow (45%)

Blue (0%)

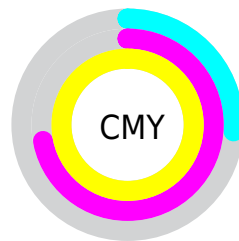


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 72.453, 51.519 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 46, 72.453, 51.519 by changing the saturation by 10% instead.

46, 72.453, 51.519

46, 72.453, 51.519

100, 72.453,
51.519

36, 72.453, 51.519

66, 72.453, 51.519

26, 72.453, 51.519

76, 72.453, 51.519

16, 72.453, 51.519

86, 72.453, 51.519

6, 72.453, 51.519

96, 72.453, 51.519

0, 72.453, 51.519

46, 72.453, 51.519

46, 72.453, 51.519

46, 72.404, 51.489

48, 66.246, 53.154

51, 58.702, 54.340

■ 53, 50.376, 55.143

■ 56, 41.990, 55.839

■ 59, 33.887, 56.548

■ 63, 26.206, 57.309

■ 66, 18.992, 58.127

■ 69, 12.240, 58.988

■ 73, 5.920, 59.860

Harmonies

Complementary

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



46, 72.453, 51.519



48, 44.771, 268.848

Rectangle

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



46, 72.453, 51.519



46, 72.453, 101.519



46, 72.453, 231.519



46, 72.453, 281.519

Sweetspot

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



46, 72.404, 51.489



84, 23.497, 58.086



41, 70.812, 350.134



43, 16.257, 57.736



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 72.404, 51.489



59, 88.503, 50.879



67, 70.564, 93.405



38, 3.347, 59.914



39, 63.216, 52.005



5, 10.122, 46.765

Inverse Universe

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



48, 44.771, 268.848



61, 55.075, 269.744



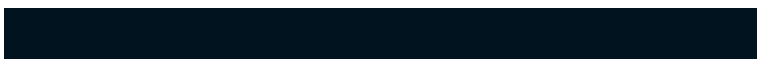
25, 99.463, 304.309



38, 3.215, 241.906



40, 38.888, 268.098



5, 10.230, 255.716

Previews

White Background



This preview shows how the CIELCh color 46, 72.453, 51.519 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 46, 72.453, 51.519 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 46, 72.453, 51.519

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.453, 51.519.



This preview shows how white text looks on a background with the CIELCh color 46, 72.453, 51.519.

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

46, 72.453, 51.519

Protanopia

46, 48.100, 95.246

Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 55.895, 26.662

Trichromacy



Original Color
46, 72.453, 51.519

Protanomaly
45, 52.283, 73.444

Deuteranomaly
45, 57.720, 68.572

Tritanomaly
46, 61.968, 39.539

Monochromacy



Original Color
46, 72.453, 51.519

Achromatopsia
42, 0.006, 296.813

Achromatomaly
41, 26.585, 56.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.453, 51.519 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 71, 0)  
}
```

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, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.453, 51.519 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, 71, 0) }
```

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

```
.border{ border-color:rgb(189, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.453, 51.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 71, 0) }
```

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

```
.background{ background-color: rgb(189, 71,  
0) }
```

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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