

Converting Colors

CIELCh(46, 71.084, 52.409)

Have a look what the booklet for
CIELCh(46, 71.084, 52.409) contains.

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Color

CIELCh(46, 71.284, 52.476)

Conversions

Conversions Part 1

Format	Color
Hex	BB4900
RGB	187, 73, 0
RGB Percent	73%, 29%, 0%
CMY	0.2677, 0.7145, 1.0000
CMYK	0.00, 0.61, 1.00, 0.27
HSL	23°, 100%, 37%
HSV	23°, 100%, 73%
XYZ	22.7974, 15.2687, 1.7384
YIQ	98.7640, 91.3770, 1.4650

Conversions

Conversions Part 2

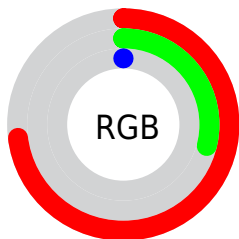
Format	Color
RYB	187, 120, 0
Decimal	12273920
CIELab	46.00, 43.42, 56.54
CIELCh	46, 71.284, 52.476
Yxy	15.2687, 0.5727, 0.3836
Android (android.graphics.Color)	4290464000 (0xFFBB4900)
YUV	98.7640, -48.6907, 77.3830
Hunter-Lab	39.0751, 35.7596, 24.7148

Details

The CIELCh color **46, 71.284, 52.476** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **46, 45.703, 270.957**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.301, 52.417**, and **26, 57.996, 41.420** is the 20% darker color. If you saturate the color by 10%, you get **46, 71.230, 52.443**, and if you desaturate by 10%, it is **48, 65.234, 54.222**.

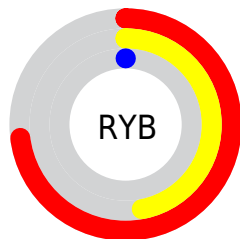
Distribution



Red (73%)

Green (29%)

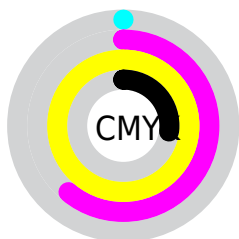
Blue (0%)



Red (73%)

Yellow (47%)

Blue (0%)

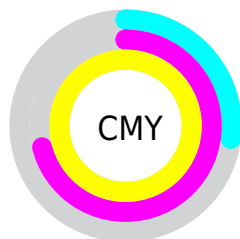


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (71%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 71.284, 52.476 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, 71.284, 52.476 by changing the saturation by 10% instead.

46, 71.284, 52.476

46, 71.284, 52.476

100, 71.284,
52.476

36, 71.284, 52.476

66, 71.284, 52.476

26, 71.284, 52.476

76, 71.284, 52.476

16, 71.284, 52.476

86, 71.284, 52.476

6, 71.284, 52.476

96, 71.284, 52.476

0, 71.284, 52.476

46, 71.284, 52.476

46, 71.284, 52.476

46, 71.230, 52.443

48, 65.234, 54.222

51, 57.884, 55.529

■ 53, 49.740, 56.447

■ 56, 41.511, 57.245

■ 59, 33.539, 58.043

■ 62, 25.968, 58.882

■ 66, 18.841, 59.767

■ 69, 12.155, 60.688

■ 72, 5.885, 61.612

Harmonies

Complementary

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



46, 71.284, 52.476



46, 45.703, 270.957

Rectangle

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



46, 71.284, 52.476



46, 71.284, 102.476



46, 71.284, 232.476



46, 71.284, 282.476

Sweetspot

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



46, 71.230, 52.443



83, 23.314, 59.723



41, 69.674, 351.500



43, 16.262, 59.344



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, 71.230, 52.443



59, 87.066, 51.814



68, 70.715, 94.719



38, 3.357, 61.669



39, 62.716, 52.939



5, 10.092, 48.134

Inverse Universe

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



46, 45.703, 270.957



59, 56.272, 271.853



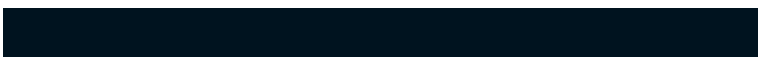
24, 99.854, 304.651



38, 3.232, 243.742



39, 40.017, 270.255



5, 10.367, 257.496

Previews

White Background



This preview shows how the CIELCh color 46, 71.284, 52.476 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, 71.284, 52.476 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, 71.284, 52.476

Background



This preview shows how black text looks on a background with the CIELCh color 46, 71.284, 52.476.



This preview shows how white text looks on a background with the CIELCh color 46, 71.284, 52.476.

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, 71.284, 52.476

Protanopia

46, 48.100, 95.246

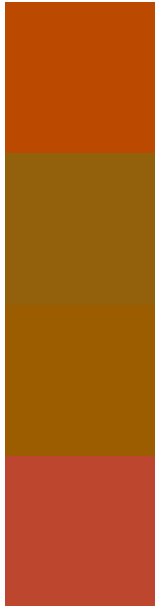
Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 54.069, 26.143

Trichromacy



Original Color
46, 71.284, 52.476

Protanomaly
45, 52.004, 73.884

Deuteranomaly
45, 57.353, 69.517

Tritanomaly
46, 60.356, 40.008

Monochromacy



Original Color
46, 71.284, 52.476

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 26.119, 57.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 71.284, 52.476 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, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 73, 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(187, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 73, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 71.284, 52.476 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, 73, 0) }
```

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

```
.border{ border-color:rgb(187, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 73, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 46, 71.284, 52.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 73, 0) }
```

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

```
.background{ background-color: rgb(187, 73,  
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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