

Converting Colors

CIELCh(64, 45.882, 72.586)

Have a look what the booklet for
CIELCh(64, 45.882, 72.586) contains.

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Color

CIELCh(64, 46.048, 72.202)

Conversions

Conversions Part 1

Format	Color
Hex	C8904C
RGB	200, 144, 76
RGB Percent	78%, 56%, 30%
CMY	0.2152, 0.4348, 0.7015
CMYK	0.00, 0.28, 0.62, 0.22
HSL	33°, 53%, 54%
HSV	33°, 62%, 78%
XYZ	35.1527, 32.8017, 11.3359
YIQ	152.9920, 55.2040, -9.2760

Conversions

Conversions Part 2

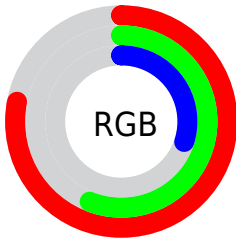
Format	Color
RYB	178, 200, 76
Decimal	13144140
CIELab	64.00, 14.08, 43.84
CIElCh	64, 46.048, 72.202
Yxy	32.8017, 0.4433, 0.4137
Android (android.graphics.Color)	4291334220 (0xFFC8904C)
YUV	152.9920, -37.9571, 41.2260
Hunter-Lab	57.2727, 9.3319, 28.3557

Details

The CIELCh color **64, 46.048, 72.202** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **54, 40.895, 273.632**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 44.839, 74.379**, and **44, 45.828, 72.581** is the 20% darker color. If you saturate the color by 10%, you get **62, 53.832, 70.671**, and if you desaturate by 10%, it is **67, 38.097, 73.631**.

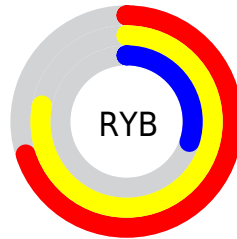
Distribution



Red (78%)

Green (56%)

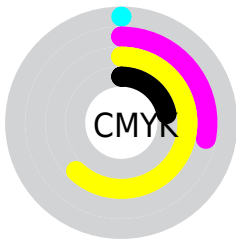
Blue (30%)



Red (70%)

Yellow (78%)

Blue (30%)

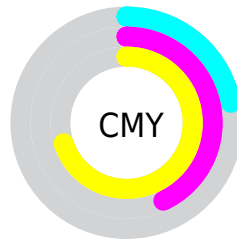


Cyan (0%)

Magenta (28%)

Yellow (62%)

Black (22%)



Cyan (22%)

Magenta (43%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 46.048, 72.202 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 64, 46.048, 72.202 by changing the saturation by 10% instead.

■ 64, 46.048, 72.202

■ 64, 46.048, 72.202

■ 100, 46.048,
72.202

■ 54, 46.048, 72.202

■ 84, 46.048, 72.202

■ 44, 46.048, 72.202

■ 94, 46.048, 72.202

■ 34, 46.048, 72.202

■ 24, 46.048, 72.202

■ 14, 46.048, 72.202

■ 4, 46.048, 72.202

■ 0, 46.048, 72.202

■ 64, 46.048, 72.202

■ 64, 46.048, 72.202

■ 62, 53.832, 70.671

■ 67, 38.097, 73.631

59, 60.947, 68.902

69, 30.243, 75.004

57, 66.569, 66.660

72, 22.607, 76.345

55, 69.860, 64.506

74, 15.237, 77.657

77, 8.140, 78.930

80, 1.308, 79.977

83, 5.280, 261.511

86, 11.645,
262.654

89, 17.260,
262.680

Harmonies

Complementary

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



64, 46.048, 72.202



54, 40.895, 273.632

Rectangle

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



64, 46.048, 72.202



64, 46.048, 122.202



64, 46.048, 252.202



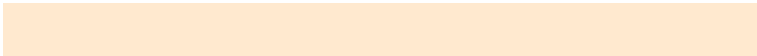
64, 46.048, 302.202

Sweetspot

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



64, 46.048, 72.206



93, 15.958, 78.006



51, 55.160, 353.248



49, 11.045, 77.631



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 46.048, 72.206



76, 67.372, 70.158



78, 61.984, 106.139



41, 3.818, 79.248



46, 59.927, 65.091



8, 13.048, 63.545

Inverse Universe

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



54, 40.895, 273.632



62, 59.399, 278.358



40, 74.601, 300.636



40, 3.762, 261.766



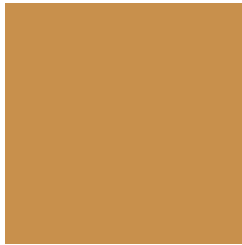
33, 56.320, 288.034



5, 14.804, 274.120

Previews

White Background



This preview shows how the CIELCh color 64, 46.048, 72.202 looks on a white background.

Color Contrast Check

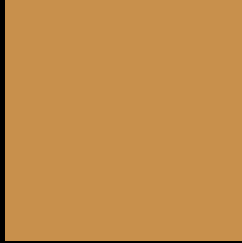
Large Text (above 18pt) WCAG AA × Fail

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 64, 46.048, 72.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

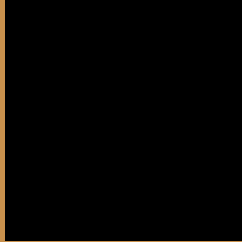
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 46.048, 72.202

Background



This preview shows how black text looks on a background with the CIELCh color 64, 46.048, 72.202.



This preview shows how white text looks on a background with the CIELCh color 64, 46.048, 72.202.

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

64, 46.048, 72.202

Protanopia

64, 41.697, 95.799

Deuteranopia

64, 45.040, 79.277



Tritanopia
64, 28.292, 11.318

Trichromacy



Original Color
64, 46.048, 72.202

Protanomaly
64, 42.123, 87.030

Deuteranomaly
64, 45.576, 77.041

Tritanomaly
64, 29.537, 41.297

Monochromacy



Original Color
64, 46.048, 72.202

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 16.284, 77.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 46.048, 72.202 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(200, 144, 76)` looks like.

```
.text, #text, p{  
    color:rgb(200, 144, 76)  
}
```

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(200, 144, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 144, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 46.048, 72.202 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(200, 144, 76) }
```

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

```
.border{ border-color:rgb(200, 144, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 144, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 144, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 144, 76);  
box-shadow:4px 4px 4px 4px rgb(200, 144,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 46.048, 72.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 144, 76) }
```

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

```
.background{ background-color: rgb(200,  
144, 76) }
```

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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