

Converting Colors

CIELCh(52, 45.987, 68.529)

Have a look what the booklet for
CIELCh(52, 45.987, 68.529) contains.

CIELCh(52, 46.108, 68.799)	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(52, 46.108, 68.799)

Conversions

Conversions Part 1

Format	Color
Hex	A97031
RGB	169, 112, 49
RGB Percent	66%, 44%, 19%
CMY	0.3385, 0.5619, 0.8089
CMYK	0.00, 0.34, 0.71, 0.34
HSL	32°, 55%, 43%
HSV	32°, 71%, 66%
XYZ	22.6037, 20.1443, 5.5723
YIQ	121.8610, 54.1950, -7.5090

Conversions

Conversions Part 2

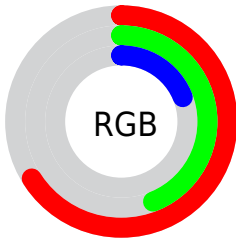
Format	Color
R _Y B	158, 169, 49
Decimal	11104305
CIE Lab	52.00, 16.67, 42.99
CIE LCh	52, 46.108, 68.799
Yxy	20.1443, 0.4678, 0.4169
Android (android.graphics.Color)	4289294385 (0xFFA97031)
YUV	121.8610, -35.9205, 41.3409
Hunter-Lab	44.8824, 11.3521, 24.0567

Details

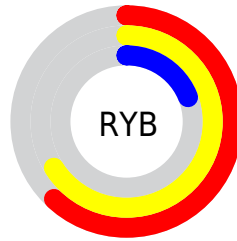
The CIELCh color **52, 46.108, 68.799** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **44, 39.322, 274.230**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **72, 46.317, 68.957**, and **32, 45.210, 68.488** is the 20% darker color. If you saturate the color by 10%, you get **50, 52.603, 67.163**, and if you desaturate by 10%, it is **54, 39.192, 70.242**.

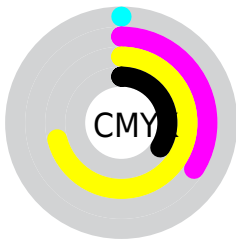
Distribution



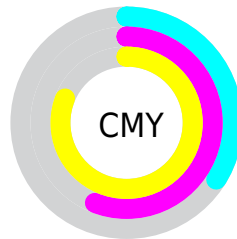
- Red (66%)
- Green (44%)
- Blue (19%)



- Red (62%)
- Yellow (66%)
- Blue (19%)



- Cyan (0%)
- Magenta (34%)
- Yellow (71%)
- Black (34%)



- Cyan (34%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 52, 46.108, 68.799 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 52, 46.108, 68.799 by changing the saturation by 10% instead.

■ 52, 46.108, 68.799

■ 52, 46.108, 68.799

■ 100, 46.108,
68.799

■ 42, 46.108, 68.799

■ 72, 46.108, 68.799

■ 32, 46.108, 68.799

■ 82, 46.108, 68.799

■ 22, 46.108, 68.799

■ 92, 46.108, 68.799

■ 12, 46.108, 68.799

■ 2, 46.108, 68.799

■ 0, 46.108, 68.799

■ 52, 46.108, 68.799

■ 52, 46.108, 68.799

■ 50, 52.603, 67.163

■ 54, 39.192, 70.242

■ 48, 58.025, 65.104

■ 56, 32.235, 71.594

46, 61.877, 62.980

59, 25.424, 72.906

61, 18.842, 74.196

64, 12.517, 75.463

66, 6.450, 76.693

69, 0.627, 77.476

71, 4.973, 259.218

74, 10.371,
260.339

Harmonies

Complementary

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



52, 46.108, 68.799



44, 39.322, 274.230

Rectangle

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



52, 46.108, 68.799



52, 46.108, 118.799



52, 46.108, 248.799



52, 46.108, 298.799

Sweetspot

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



52, 46.107, 68.802



81, 15.424, 75.429



41, 53.739, 353.896



42, 10.482, 75.099



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



52, 46.107, 68.802



63, 67.774, 66.118



67, 60.184, 104.781



34, 3.266, 76.909



41, 56.085, 63.413



3, 5.588, 70.099

Inverse Universe

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



44, 39.322, 274.230



51, 58.028, 280.404



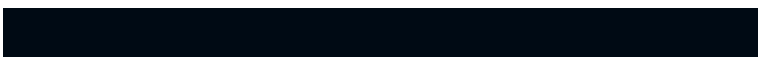
29, 75.183, 302.072



34, 3.210, 259.359



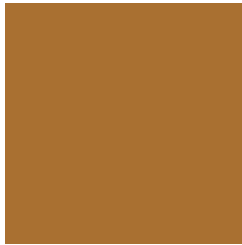
31, 49.685, 285.614



2, 6.226, 264.628

Previews

White Background



This preview shows how the CIELCh color 52, 46.108, 68.799 looks on a white background.

Color Contrast Check

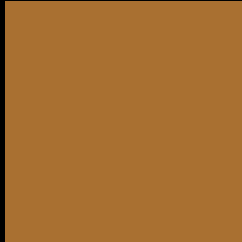
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 46.108, 68.799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

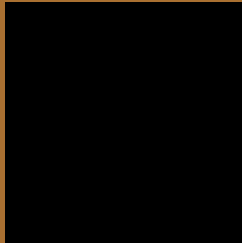
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 46.108, 68.799

Background



This preview shows how black text looks on a background with the CIELCh color 52, 46.108, 68.799.



This preview shows how white text looks on a background with the CIELCh color 52, 46.108, 68.799.

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

52, 46.108, 68.799

Protanopia

52, 40.889, 96.348

Deuteranopia

52, 43.850, 80.999



Tritanopia
52, 29.112, 14.252

Trichromacy



Original Color
52, 46.108, 68.799

Protanomaly
52, 41.247, 85.492

Deuteranomaly
52, 44.284, 76.518

Tritanomaly
52, 31.085, 40.577

Monochromacy



Original Color
52, 46.108, 68.799

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 16.347, 73.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 46.108, 68.799 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(169, 112, 49)` looks like.

```
.text, #text, p{  
    color:rgb(169, 112, 49)  
}
```

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(169, 112, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 112, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 46.108, 68.799 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(169, 112, 49) }
```

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

```
.border{ border-color:rgb(169, 112, 49) }
```

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

Here you see how a box with a 4 pixel rgb(169, 112, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 112, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 112, 49);  
box-shadow:4px 4px 4px 4px rgb(169, 112,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 46.108, 68.799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 112, 49) }
```

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

```
.background{ background-color: rgb(169,  
112, 49) }
```

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