

# Converting Colors

CIELCh(61, 48.059, 72.502)

Have a look what the booklet for  
CIELCh(61, 48.059, 72.502) contains.

<b>CIELCh(61, 47.823, 72.601)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	20
<b><i>Color Blindness Simulation</i></b> .....	23
<b><i>CSS Examples</i></b> .....	26

# Color

**CIELCh(61, 47.823, 72.601)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C08841
RGB	192, 136, 65
RGB Percent	75%, 53%, 25%
CMY	0.2465, 0.4662, 0.7446
CMYK	0.00, 0.29, 0.66, 0.25
HSL	34°, 50%, 50%
HSV	34°, 66%, 75%
XYZ	31.5499, 29.2481, 9.0008
YIQ	144.6500, 56.1670, -10.2090

# Conversions

## Conversions Part 2

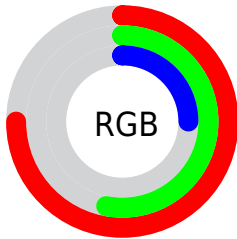
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 192, 65
Decimal	12617793
CIE <sub>Lab</sub>	61.00, 14.30, 45.63
CIE <sub>LCh</sub>	61, 47.823, 72.601
Yxy	29.2481, 0.4520, 0.4190
Android (android.graphics.Color)	4290807873 (0xFFC08841)
YUV	144.6500, -39.2675, 41.5259
Hunter-Lab	54.0815, 9.4899, 27.9895

# Details

The CIELCh color **61, 47.823, 72.601** 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 **50, 42.875, 276.007**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 47.706, 72.138**, and **41, 47.788, 72.687** is the 20% darker color. If you saturate the color by 10%, you get **59, 55.109, 70.983**, and if you desaturate by 10%, it is **63, 40.187, 74.078**.

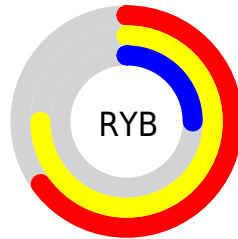
# Distribution



Red (75%)

Green (53%)

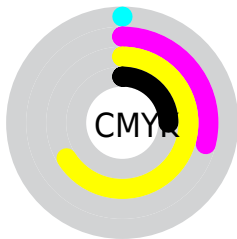
Blue (25%)



Red (65%)

Yellow (75%)

Blue (25%)

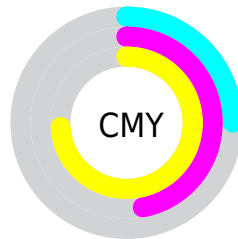


Cyan (0%)

Magenta (29%)

Yellow (66%)

Black (25%)



Cyan (25%)

Magenta (47%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 47.823, 72.601 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 61, 47.823, 72.601 by changing the saturation by 10% instead.



61, 47.823, 72.601

61, 47.823, 72.601

100, 47.823,  
72.601

51, 47.823, 72.601

81, 47.823, 72.601

41, 47.823, 72.601

91, 47.823, 72.601

31, 47.823, 72.601

21, 47.823, 72.601

11, 47.823, 72.601

1, 47.823, 72.601

0, 47.823, 72.601

61, 47.823, 72.601

61, 47.823, 72.601

59, 55.109, 70.983

63, 40.187, 74.078

57, 61.439, 69.054

66, 32.539, 75.479

55, 65.978, 66.558

68, 25.047, 76.841

54, 67.533, 65.561

71, 17.783, 78.172

73, 10.770, 79.468

76, 4.007, 80.693

79, 2.520, 262.132

82, 8.831, 263.238

84, 14.946,  
264.372

# Harmonies

# Complementary

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



61, 47.823, 72.601



50, 42.875, 276.007

# Rectangle

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



61, 47.823, 72.601



61, 47.823, 122.601



61, 47.823, 252.601



61, 47.823, 302.601

# Sweetspot

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



61, 47.822, 72.605



92, 16.683, 78.927



48, 55.828, 355.273



48, 11.440, 78.559



99, 0.012, 296.813



52, 0.007, 296.813



# Same Dimension

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



61, 47.822, 72.605



74, 70.551, 70.233



75, 63.234, 106.713



40, 3.769, 80.309



45, 59.057, 66.081



7, 11.665, 65.186





# Inverse Universe

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



50, 42.875, 276.007



58, 63.570, 281.317



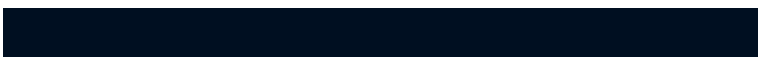
36, 77.312, 301.737



39, 3.719, 262.823



32, 56.733, 288.858

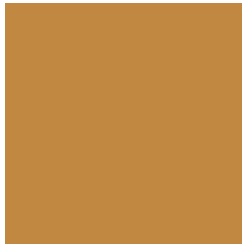


4, 13.637, 273.853



# Previews

## White Background



This preview shows how the CIELCh color 61, 47.823, 72.601 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 CIE LCh color 61, 47.823, 72.601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

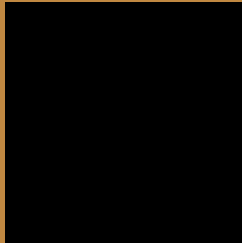
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 47.823, 72.601

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 47.823, 72.601.



This preview shows how white text looks on a background with the CIELCh color 61, 47.823, 72.601.

# 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

61, 47.823, 72.601

### Protanopia

61, 43.410, 95.653

### Deuteranopia

61, 46.547, 79.972



**Tritanopia**  
61, 28.589, 11.519



# Trichromacy



**Original Color**  
61, 47.823, 72.601

**Protanomaly**  
61, 43.862, 87.094

**Deuteranomaly**  
61, 47.075, 77.771

**Tritanomaly**  
61, 30.508, 43.120

# Monochromacy



**Original Color**  
61, 47.823, 72.601

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
60, 16.960, 78.515

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 47.823, 72.601 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(192, 136, 65)` looks like.

```
.text, #text, p{  
    color:rgb(192, 136, 65)  
}
```

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(192, 136, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 136, 65) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 47.823, 72.601 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(192, 136, 65) }
```

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

```
.border{ border-color:rgb(192, 136, 65) }
```

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

Here you see how a box with a 4 pixel rgb(192, 136, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 136, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 136, 65);  
box-shadow:4px 4px 4px 4px rgb(192, 136,  
65) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 47.823, 72.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 136, 65) }
```

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

```
.background{ background-color: rgb(192,  
136, 65) }
```

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