

# Converting Colors

CIELCh(60, 42.268, 49.393)

Have a look what the booklet for  
CIELCh(60, 42.268, 49.393) contains.

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**Color**

**CIELCh(60, 42.397, 49.336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7C59
RGB	204, 124, 89
RGB Percent	80%, 49%, 35%
CMY	0.1984, 0.5123, 0.6497
CMYK	0.00, 0.39, 0.56, 0.20
HSL	18°, 53%, 58%
HSV	18°, 56%, 80%
XYZ	34.0796, 28.1233, 13.1560
YIQ	143.9300, 58.9150, 6.0750

# Conversions

## Conversions Part 2

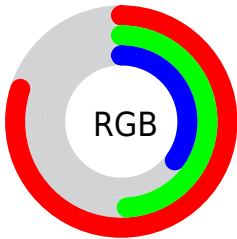
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">204, 139, 89</a>
Decimal	<a href="#">13401177</a>
<a href="#">CIELab</a>	<a href="#">60.00, 27.63, 32.16</a>
<a href="#">CIElCh</a>	<a href="#">60, 42.397, 49.336</a>
<a href="#">Yxy</a>	<a href="#">28.1233, 0.4522, 0.3732</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291591257 (0xFFCC7C59)</a>
<a href="#">YUV</a>	<a href="#">143.9300, -27.0805, 52.6814</a>
<a href="#">Hunter-Lab</a>	<a href="#">53.0314, 21.9046, 22.4134</a>

# Details

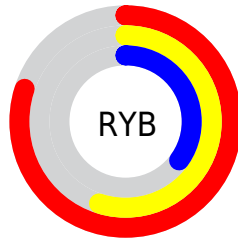
The CIELCh color **60, 42.397, 49.336** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **66, 29.165, 240.185**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 38.861, 51.367**, and **40, 42.544, 49.422** is the 20% darker color. If you saturate the color by 10%, you get **57, 51.661, 49.188**, and if you desaturate by 10%, it is **64, 33.587, 49.596**.

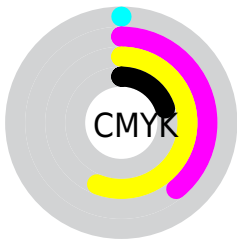
# Distribution



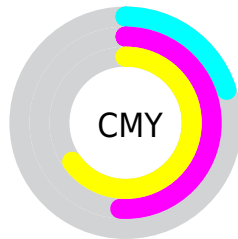
- Red (80%)
- Green (49%)
- Blue (35%)



- Red (80%)
- Yellow (55%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)
- Black (20%)



- Cyan (20%)
- Magenta (51%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 42.397, 49.336 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 60, 42.397, 49.336 by changing the saturation by 10% instead.



60, 42.397, 49.336

60, 42.397, 49.336

100, 42.397,  
49.336

50, 42.397, 49.336

80, 42.397, 49.336

40, 42.397, 49.336

90, 42.397, 49.336

30, 42.397, 49.336

20, 42.397, 49.336

10, 42.397, 49.336

0, 42.397, 49.336

60, 42.397, 49.336

60, 42.397, 49.336

57, 51.661, 49.188

64, 33.587, 49.596

53, 61.117, 49.060

67, 25.335, 49.968

51, 70.146, 48.733

71, 17.657, 50.443

48, 77.555, 47.738

75, 10.532, 50.994

47, 80.047, 47.409

80, 3.919, 51.548

84, 2.232, 232.589

88, 7.969, 233.134

92, 13.343,  
233.834

96, 15.879,  
203.447

# Harmonies

# Complementary

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



60, 42.397, 49.336



66, 29.165, 240.185

# Rectangle

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



60, 42.397, 49.336



60, 42.397, 99.336



60, 42.397, 229.336



60, 42.397, 279.336

# Sweetspot

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



60, 42.396, 49.340



92, 13.193, 50.941



55, 58.964, 338.791



48, 8.893, 50.825



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



60, 42.396, 49.340



69, 63.914, 49.158



74, 49.270, 93.668



41, 3.566, 51.389



39, 68.121, 47.914



6, 15.236, 37.643





# Inverse Universe

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



66, 29.165, 240.185



77, 39.785, 243.870



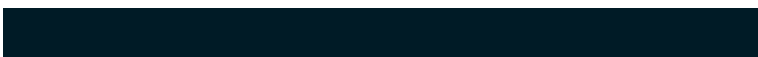
50, 53.809, 290.305



41, 3.394, 232.910



46, 35.579, 256.476



8, 12.120, 244.894



# Previews

## White Background



This preview shows how the CIELCh color 60, 42.397, 49.336 looks on a white background.

## Color Contrast Check

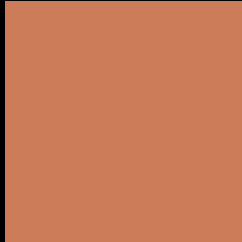
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 42.397, 49.336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

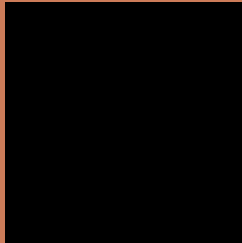
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 60, 42.397, 49.336

## Background



This preview shows how black text looks on a background with the CIELCh color 60, 42.397, 49.336.



This preview shows how white text looks on a background with the CIELCh color 60, 42.397, 49.336.

# 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

60, 42.397, 49.336

### Protanopia

60, 27.253, 95.996

### Deuteranopia

60, 34.146, 76.585



**Tritanopia**  
60, 36.781, 16.084



# Trichromacy



**Original Color**  
60, 42.397, 49.336

**Protanomaly**  
60, 29.608, 73.464

**Deuteranomaly**  
60, 36.007, 65.287

**Tritanomaly**  
60, 37.114, 29.357

# Monochromacy



**Original Color**  
60, 42.397, 49.336

**Achromatopsia**  
60, 0.008, 296.813

**Achromatomaly**  
59, 14.251, 51.095

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 60, 42.397, 49.336 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(204, 124, 89)` looks like.

```
.text, #text, p{  
    color:rgb(204, 124, 89)  
}
```

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(204, 124, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 124, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 60, 42.397, 49.336 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(204, 124, 89) }
```

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

```
.border{ border-color:rgb(204, 124, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 124, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 124, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 124, 89);  
box-shadow:4px 4px 4px 4px rgb(204, 124,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 60, 42.397, 49.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 124, 89) }
```

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

```
.background{ background-color: rgb(204,  
124, 89) }
```

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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