

Converting Colors

CIELCh(60, 54.093, 67.613)

Have a look what the booklet for
CIELCh(60, 54.093, 67.613) contains.

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Color

CIELCh(60, 54.099, 67.668)

Conversions

Conversions Part 1

Format	Color
Hex	C78136
RGB	199, 129, 54
RGB Percent	78%, 51%, 21%
CMY	0.2195, 0.4940, 0.7881
CMYK	0.00, 0.35, 0.73, 0.22
HSL	31°, 57%, 50%
HSV	31°, 73%, 78%
XYZ	32.0848, 28.1233, 7.2312
YIQ	141.3800, 65.7950, -8.4850

Conversions

Conversions Part 2

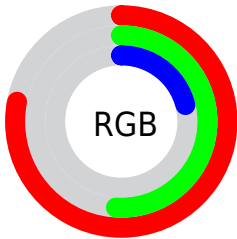
Format	Color
RYB	189, 199, 54
Decimal	13074742
CIELab	60.00, 20.56, 50.04
CIELCh	60, 54.099, 67.668
Yxy	28.1233, 0.4758, 0.4170
Android (android.graphics.Color)	4291264822 (0xFFC78136)
YUV	141.3800, -43.0783, 50.5327
Hunter-Lab	53.0314, 15.1900, 29.0374

Details

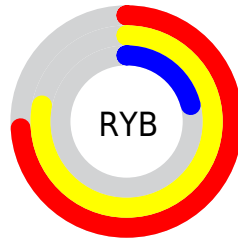
The CIELCh color **60, 54.099, 67.668** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **51, 45.470, 274.390**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 52.587, 69.206**, and **40, 53.269, 67.004** is the 20% darker color. If you saturate the color by 10%, you get **58, 61.360, 65.950**, and if you desaturate by 10%, it is **63, 46.211, 69.143**.

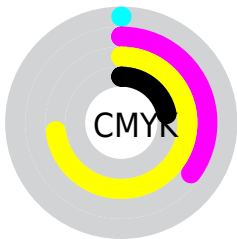
Distribution



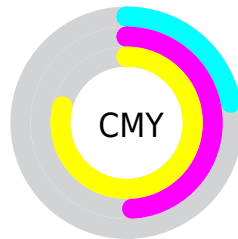
- Red (78%)
- Green (51%)
- Blue (21%)



- Red (74%)
- Yellow (78%)
- Blue (21%)



- Cyan (0%)
- Magenta (35%)
- Yellow (73%)
- Black (22%)



- Cyan (22%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 54.099, 67.668 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, 54.099, 67.668 by changing the saturation by 10% instead.

60, 54.099, 67.668

60, 54.099, 67.668

100, 54.099,
67.668

50, 54.099, 67.668

80, 54.099, 67.668

40, 54.099, 67.668

90, 54.099, 67.668

30, 54.099, 67.668

20, 54.099, 67.668

10, 54.099, 67.668

0, 54.099, 67.668

60, 54.099, 67.668

60, 54.099, 67.668

58, 61.360, 65.950

63, 46.211, 69.143

55, 67.143, 63.708

65, 38.212, 70.506

54, 70.322, 61.825

68, 30.362, 71.824

71, 22.776, 73.119

74, 15.496, 74.395

76, 8.525, 75.640

79, 1.847, 76.728

82, 4.561, 258.203

85, 10.726,
259.327

Harmonies

Complementary

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



60, 54.099, 67.668



51, 45.470, 274.390

Rectangle

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



60, 54.099, 67.668



60, 54.099, 117.668



60, 54.099, 247.668



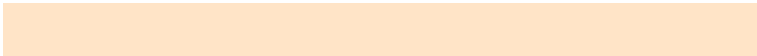
60, 54.099, 297.668

Sweetspot

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



60, 54.098, 67.671



92, 18.220, 74.462



47, 62.230, 354.520



48, 12.317, 74.113



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, 54.098, 67.671



71, 78.025, 64.822



78, 69.821, 104.636



40, 3.730, 76.057



45, 60.533, 62.411



7, 12.971, 59.579

Inverse Universe

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



51, 45.470, 274.390



58, 66.162, 280.824



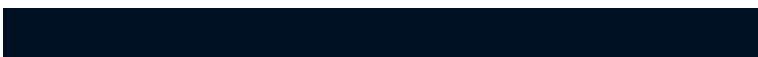
33, 88.222, 302.603



40, 3.660, 258.550



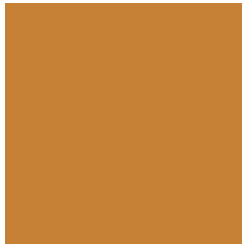
34, 53.022, 285.273



5, 14.299, 271.751

Previews

White Background



This preview shows how the CIELCh color 60, 54.099, 67.668 looks on a white background.

Color Contrast Check

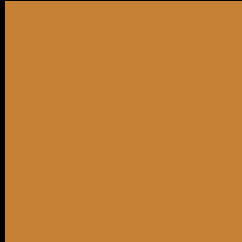
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 54.099, 67.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

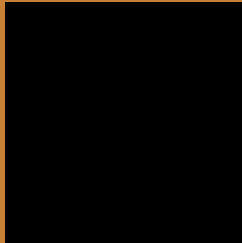
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 54.099, 67.668

Background



This preview shows how black text looks on a background with the CIELCh color 60, 54.099, 67.668.



This preview shows how white text looks on a background with the CIELCh color 60, 54.099, 67.668.

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, 54.099, 67.668

Protanopia

60, 46.862, 95.223

Deuteranopia

60, 51.397, 81.532



Tritanopia
60, 34.621, 15.275

Trichromacy



Original Color
60, 54.099, 67.668

Protanomaly
60, 47.835, 84.380

Deuteranomaly
60, 52.162, 76.276

Tritanomaly
60, 37.394, 41.586

Monochromacy



Original Color
60, 54.099, 67.668

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 19.265, 74.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 54.099, 67.668 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(199, 129, 54)` looks like.

```
.text, #text, p{  
    color:rgb(199, 129, 54)  
}
```

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(199, 129, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 129, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 54.099, 67.668 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(199, 129, 54) }
```

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

```
.border{ border-color:rgb(199, 129, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 129, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 129, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 129, 54);  
box-shadow:4px 4px 4px 4px rgb(199, 129,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 54.099, 67.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 129, 54) }
```

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

```
.background{ background-color: rgb(199,  
129, 54) }
```

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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