

Converting Colors

CIELCh(67, 43.310, 77.674)

Have a look what the booklet for
CIELCh(67, 43.310, 77.674) contains.

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Color

CIELCh(67, 43.317, 77.671)

Conversions

Conversions Part 1

Format	Color
Hex	C99B56
RGB	201, 155, 86
RGB Percent	79%, 61%, 34%
CMY	0.2109, 0.3914, 0.6620
CMYK	0.00, 0.23, 0.57, 0.21
HSL	36°, 52%, 56%
HSV	36°, 57%, 79%
XYZ	37.5885, 36.6320, 13.9336
YIQ	160.8880, 49.5650, -11.7070

Conversions

Conversions Part 2

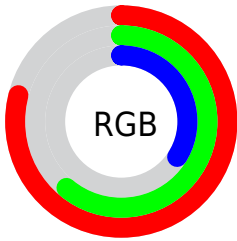
Format	Color
RYB	163, 201, 86
Decimal	13212502
CIELab	67.00, 9.25, 42.32
CIElCh	67, 43.317, 77.671
Yxy	36.6320, 0.4264, 0.4155
Android (android.graphics.Color)	4291402582 (0xFFC99B56)
YUV	160.8880, -36.9198, 35.1782
Hunter-Lab	60.5244, 4.9393, 28.7176

Details

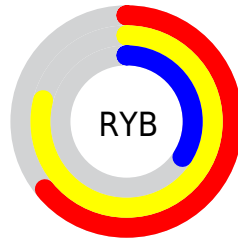
The CIELCh color **67, 43.317, 77.671** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **55, 40.836, 276.884**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 42.320, 80.080**, and **47, 43.312, 77.615** is the 20% darker color. If you saturate the color by 10%, you get **65, 51.100, 76.144**, and if you desaturate by 10%, it is **69, 35.386, 79.124**.

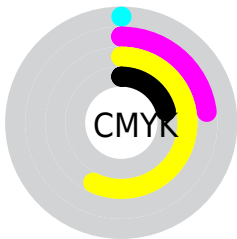
Distribution



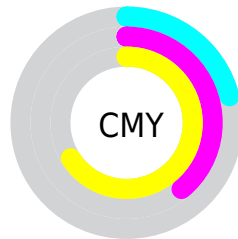
- Red (79%)
- Green (61%)
- Blue (34%)



- Red (64%)
- Yellow (79%)
- Blue (34%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (21%)



- Cyan (21%)
- Magenta (39%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 43.317, 77.671 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 67, 43.317, 77.671 by changing the saturation by 10% instead.

■ 67, 43.317, 77.671

■ 67, 43.317, 77.671

■ 100, 43.317,
77.671

■ 57, 43.317, 77.671

■ 87, 43.317, 77.671

■ 47, 43.317, 77.671

■ 97, 43.317, 77.671

■ 37, 43.317, 77.671

■ 27, 43.317, 77.671

■ 17, 43.317, 77.671

■ 7, 43.317, 77.671

■ 0, 43.317, 77.671

■ 67, 43.317, 77.671

■ 67, 43.317, 77.671

■ 65, 51.100, 76.144

■ 69, 35.386, 79.124

63, 58.331, 74.453

72, 27.521, 80.523

61, 64.327, 72.447

74, 19.824, 81.884

59, 68.305, 69.908

77, 12.336, 83.204

58, 69.301, 69.176

79, 5.068, 84.460

82, 1.987, 265.912

84, 8.841, 267.000

87, 15.512,
268.138

89, 16.437,
259.460

Harmonies

Complementary

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



67, 43.317, 77.671



55, 40.836, 276.884

Rectangle

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



67, 43.317, 77.671



67, 43.317, 127.671



67, 43.317, 257.671



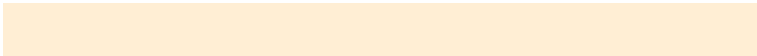
67, 43.317, 307.671

Sweetspot

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



67, 43.317, 77.675



95, 14.808, 83.195



53, 50.726, 355.735



50, 9.936, 82.929



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 43.317, 77.675



80, 63.593, 75.692



78, 58.269, 108.874



41, 3.988, 84.193



48, 59.268, 69.732



8, 13.325, 70.356

Inverse Universe

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



55, 40.836, 276.884



62, 60.098, 281.080



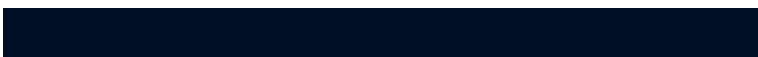
43, 68.528, 300.793



40, 3.956, 266.705



31, 61.959, 292.022



4, 15.632, 277.473

Previews

White Background



This preview shows how the CIELCh color 67, 43.317, 77.671 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 CIE LCh color 67, 43.317, 77.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

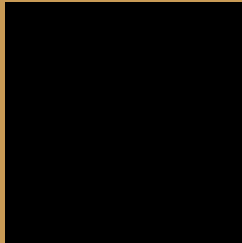
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 43.317, 77.671

Background



This preview shows how black text looks on a background with the CIELCh color 67, 43.317, 77.671.



This preview shows how white text looks on a background with the CIELCh color 67, 43.317, 77.671.

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

67, 43.317, 77.671

Protanopia

67, 40.562, 95.301

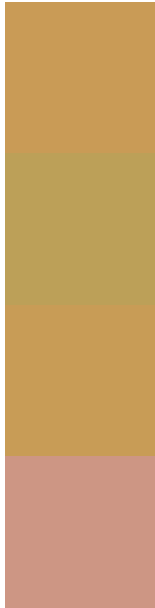
Deuteranopia

67, 43.269, 78.966



Tritanopia
67, 24.416, 7.699

Trichromacy



Original Color
67, 43.317, 77.671

Protanomaly
67, 41.014, 88.359

Deuteranomaly
67, 43.269, 78.966

Tritanomaly
67, 25.388, 43.955

Monochromacy



Original Color
67, 43.317, 77.671

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 15.475, 81.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 43.317, 77.671 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(201, 155, 86)` looks like.

```
.text, #text, p{  
    color:rgb(201, 155, 86)  
}
```

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(201, 155, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 155, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 43.317, 77.671 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(201, 155, 86) }
```

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

```
.border{ border-color:rgb(201, 155, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 155, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 155, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 155, 86);  
box-shadow:4px 4px 4px 4px rgb(201, 155,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 43.317, 77.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 155, 86) }
```

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

```
.background{ background-color: rgb(201,  
155, 86) }
```

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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