

Converting Colors

CIELCh(63, 49.970, 65.474)

Have a look what the booklet for
CIELCh(63, 49.970, 65.474) contains.

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Color

CIELCh(63, 49.905, 65.699)

Conversions

Conversions Part 1

Format	Color
Hex	CF8947
RGB	207, 137, 71
RGB Percent	81%, 54%, 28%
CMY	0.1885, 0.4629, 0.7218
CMYK	0.00, 0.34, 0.66, 0.19
HSL	29°, 59%, 54%
HSV	29°, 66%, 81%
XYZ	35.7888, 31.5869, 10.1632
YIQ	150.4060, 62.9060, -5.6860

Conversions

Conversions Part 2

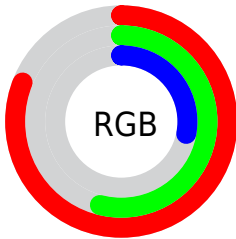
Format	Color
RYB	207, 199, 71
Decimal	13601095
CIELab	63.00, 20.54, 45.48
CIELCh	63, 49.905, 65.699
Yxy	31.5869, 0.4616, 0.4074
Android (android.graphics.Color)	4291791175 (0xFFCF8947)
YUV	150.4060, -39.1472, 49.6329
Hunter-Lab	56.2022, 15.3124, 28.6200

Details

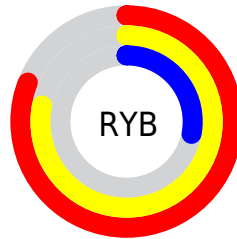
The CIELCh color **63, 49.905, 65.699** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **57, 40.512, 268.277**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 46.137, 70.647**, and **43, 49.835, 65.959** is the 20% darker color. If you saturate the color by 10%, you get **60, 58.146, 64.287**, and if you desaturate by 10%, it is **66, 41.513, 66.990**.

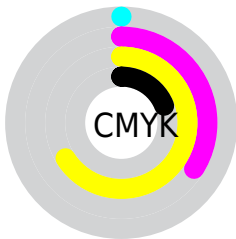
Distribution



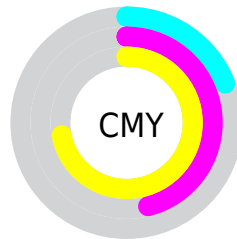
- Red (81%)
- Green (54%)
- Blue (28%)



- Red (81%)
- Yellow (78%)
- Blue (28%)



- Cyan (0%)
- Magenta (34%)
- Yellow (66%)
- Black (19%)



- Cyan (19%)
- Magenta (46%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 49.905, 65.699 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 63, 49.905, 65.699 by changing the saturation by 10% instead.

63, 49.905, 65.699

63, 49.905, 65.699

100, 49.905,
65.699

53, 49.905, 65.699

83, 49.905, 65.699

43, 49.905, 65.699

93, 49.905, 65.699

33, 49.905, 65.699

23, 49.905, 65.699

13, 49.905, 65.699

3, 49.905, 65.699

0, 49.905, 65.699

63, 49.905, 65.699

63, 49.905, 65.699

60, 58.146, 64.287

66, 41.513, 66.990

58, 65.610, 62.554

69, 33.290, 68.232

55, 71.303, 60.171

72, 25.375, 69.461

55, 73.406, 59.088

75, 17.817, 70.684

78, 10.620, 71.891

81, 3.766, 73.032

85, 2.774, 254.462

88, 9.031, 255.521

91, 14.140,
253.806

Harmonies

Complementary

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



63, 49.905, 65.699



57, 40.512, 268.277

Rectangle

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



63, 49.905, 65.699



63, 49.905, 115.699



63, 49.905, 245.699



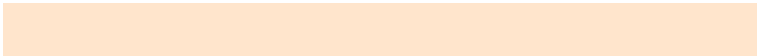
63, 49.905, 295.699

Sweetspot

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



63, 49.904, 65.703



92, 16.194, 71.348



51, 60.611, 350.647



48, 11.127, 71.003



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 49.904, 65.703



72, 71.938, 63.606



80, 65.848, 103.398



42, 3.807, 72.629



45, 62.738, 59.685



9, 15.711, 56.807

Inverse Universe

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



57, 40.512, 268.277



63, 56.930, 273.919



39, 80.398, 300.338



42, 3.717, 255.083



37, 51.024, 282.246



6, 15.888, 270.642

Previews

White Background



This preview shows how the CIELCh color 63, 49.905, 65.699 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 CIELCh color 63, 49.905, 65.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

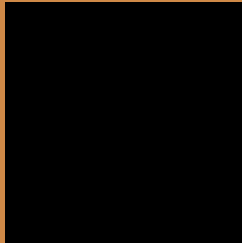
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 49.905, 65.699

Background



This preview shows how black text looks on a background with the CIELCh color 63, 49.905, 65.699.



This preview shows how white text looks on a background with the CIELCh color 63, 49.905, 65.699.

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

63, 49.905, 65.699

Protanopia

63, 42.285, 95.745

Deuteranopia

63, 46.551, 79.722



Tritanopia
63, 33.834, 13.938

Trichromacy



Original Color
63, 49.905, 65.699

Protanomaly
63, 43.397, 83.442

Deuteranomaly
63, 47.380, 74.013

Tritanomaly
63, 35.793, 38.534

Monochromacy



Original Color
63, 49.905, 65.699

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 17.444, 69.734

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 49.905, 65.699 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(207, 137, 71)` looks like.

```
.text, #text, p{  
    color:rgb(207, 137, 71)  
}
```

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(207, 137, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 137, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 49.905, 65.699 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(207, 137, 71) }
```

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

```
.border{ border-color:rgb(207, 137, 71) }
```

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

Here you see how a box with a 4 pixel rgb(207, 137, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 137, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 137, 71);  
box-shadow:4px 4px 4px 4px rgb(207, 137,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 49.905, 65.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 137, 71) }
```

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

```
.background{ background-color: rgb(207,  
137, 71) }
```

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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