

Converting Colors

CIELCh(70, 54.133, 84.678)

Have a look what the booklet for
CIELCh(70, 54.133, 84.678) contains.

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Color

CIELCh(70, 54.242, 84.439)

Conversions

Conversions Part 1

Format	Color
Hex	CFA545
RGB	207, 165, 69
RGB Percent	81%, 65%, 27%
CMY	0.1871, 0.3519, 0.7284
CMYK	0.00, 0.20, 0.67, 0.19
HSL	42°, 59%, 54%
HSV	42°, 67%, 81%
XYZ	40.4022, 40.7494, 11.4092
YIQ	166.6140, 55.8480, -20.9520

Conversions

Conversions Part 2

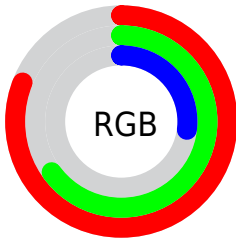
Format	Color
RYB	129, 207, 69
Decimal	13608261
CIELab	70.00, 5.26, 53.99
CIELCh	70, 54.242, 84.439
Yxy	40.7494, 0.4365, 0.4402
Android (android.graphics.Color)	4291798341 (0xFFCFA545)
YUV	166.6140, -48.1237, 35.4185
Hunter-Lab	63.8353, 1.2633, 34.0879

Details

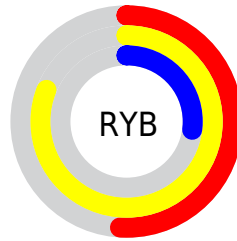
The CIELCh color **70, 54.242, 84.439** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **49, 56.559, 287.098**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 52.623, 89.733**, and **50, 54.329, 84.735** is the 20% darker color. If you saturate the color by 10%, you get **68, 61.249, 82.857**, and if you desaturate by 10%, it is **72, 46.400, 85.916**.

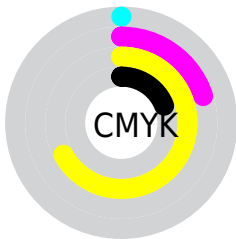
Distribution



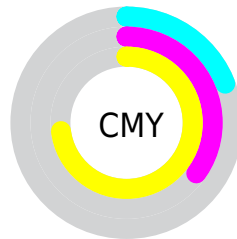
- Red (81%)
- Green (65%)
- Blue (27%)



- Red (51%)
- Yellow (81%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (19%)



- Cyan (19%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 54.242, 84.439 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 70, 54.242, 84.439 by changing the saturation by 10% instead.

 70, 54.242, 84.439

 70, 54.242, 84.439

 100, 54.242,
84.439

 60, 54.242, 84.439

 90, 54.242, 84.439

 50, 54.242, 84.439

 40, 54.242, 84.439

 30, 54.242, 84.439

 20, 54.242, 84.439

 10, 54.242, 84.439

 0, 54.242, 84.439

 70, 54.242, 84.439

 70, 54.242, 84.439

 68, 61.249, 82.857

 72, 46.400, 85.916

67, 66.730, 81.063

74, 38.178, 87.325

65, 69.952, 78.913

76, 29.840, 88.691

64, 70.790, 78.144

78, 21.528, 90.018

80, 13.315, 91.302

82, 5.235, 92.525

84, 2.702, 273.856

86, 10.495,
274.947

88, 17.734,
275.603

Harmonies

Complementary

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



70, 54.242, 84.439



49, 56.559, 287.098

Rectangle

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



70, 54.242, 84.439



70, 54.242, 134.439



70, 54.242, 264.439



70, 54.242, 314.439

Sweetspot

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



70, 54.242, 84.442



95, 19.057, 90.838



50, 57.841, 5.536



50, 13.033, 90.473



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 54.242, 84.442



82, 74.677, 82.106



79, 68.425, 113.161



43, 4.555, 92.189



53, 60.661, 78.561



11, 17.180, 81.744

Inverse Universe

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



49, 56.559, 287.098



52, 81.924, 291.899



40, 82.362, 304.468



41, 4.568, 274.603



27, 74.381, 297.890



4, 20.251, 284.384

Previews

White Background



This preview shows how the CIELCh color 70, 54.242, 84.439 looks on a white background.

Color Contrast Check

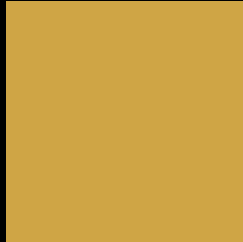
Large Text (above 18pt) WCAG AA × Fail

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 70, 54.242, 84.439 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 70, 54.242, 84.439

Background



This preview shows how black text looks on a background with the CIELCh color 70, 54.242, 84.439.

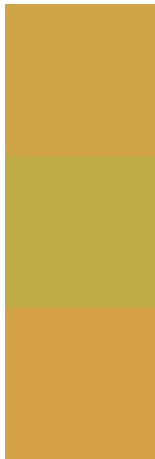


This preview shows how white text looks on a background with the CIELCh color 70, 54.242, 84.439.

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

70, 54.242, 84.439

Protanopia

70, 53.227, 95.653

Deuteranopia

70, 54.597, 80.548



Tritanopia
70, 24.271, 6.298

Trichromacy



Original Color
70, 54.242, 84.439

Protanomaly
70, 53.622, 91.779

Deuteranomaly
70, 54.369, 81.995

Tritanomaly
70, 27.441, 54.268

Monochromacy



Original Color
70, 54.242, 84.439

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 20.262, 89.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 54.242, 84.439 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, 165, 69)` looks like.

```
.text, #text, p{  
    color:rgb(207, 165, 69)  
}
```

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, 165, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 165, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 54.242, 84.439 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, 165, 69) }
```

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

```
.border{ border-color:rgb(207, 165, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 165, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 165, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 165, 69);  
box-shadow:4px 4px 4px 4px rgb(207, 165,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 54.242, 84.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 165, 69) }
```

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

```
.background{ background-color: rgb(207,  
165, 69) }
```

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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