

Converting Colors

CIELCh(70, 50.490, 84.228)

Have a look what the booklet for
CIELCh(70, 50.490, 84.228) contains.

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Color

CIELCh(70, 50.771, 84.582)

Conversions

Conversions Part 1

Format	Color
Hex	CEA64D
RGB	206, 166, 77
RGB Percent	81%, 65%, 30%
CMY	0.1936, 0.3503, 0.6993
CMYK	0.00, 0.19, 0.63, 0.19
HSL	41°, 57%, 55%
HSV	41°, 63%, 81%
XYZ	40.2533, 40.7494, 12.7050
YIQ	167.8140, 52.4090, -19.1990

Conversions

Conversions Part 2

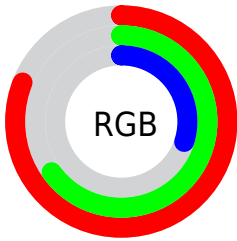
Format	Color
RYB	135, 206, 77
Decimal	13542989
CIELab	70.00, 4.79, 50.54
CIElCh	70, 50.771, 84.582
Yxy	40.7494, 0.4296, 0.4349
Android (android.graphics.Color)	4291733069 (0xFFCEA64D)
YUV	167.8140, -44.7713, 33.4891
Hunter-Lab	63.8353, 0.8468, 32.8843

Details

The CIELCh color **70, 50.771, 84.582** 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 **50, 52.239, 285.525**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 49.200, 89.519**, and **50, 50.720, 84.515** is the 20% darker color. If you saturate the color by 10%, you get **68, 58.138, 83.043**, and if you desaturate by 10%, it is **72, 42.794, 86.036**.

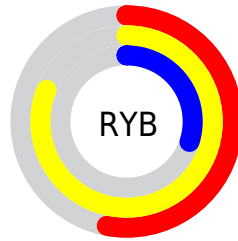
Distribution



Red (81%)

Green (65%)

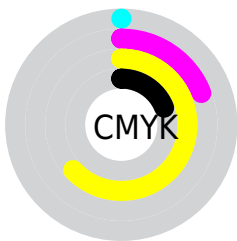
Blue (30%)



Red (53%)

Yellow (81%)

Blue (30%)

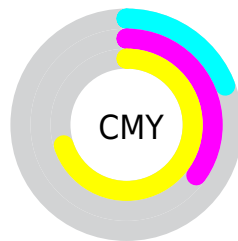


Cyan (0%)

Magenta (19%)

Yellow (63%)

Black (19%)



Cyan (19%)

Magenta (35%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 50.771, 84.582 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, 50.771, 84.582 by changing the saturation by 10% instead.

 70, 50.771, 84.582

 70, 50.771, 84.582

 100, 50.771,
84.582

 60, 50.771, 84.582

 90, 50.771, 84.582

 50, 50.771, 84.582

 40, 50.771, 84.582

 30, 50.771, 84.582

 20, 50.771, 84.582

 10, 50.771, 84.582

 0, 50.771, 84.582

 70, 50.771, 84.582

 70, 50.771, 84.582

 68, 58.138, 83.043

 72, 42.794, 86.036

66, 64.300, 81.333

74, 34.572, 87.432

65, 68.477, 79.315

76, 26.312, 88.787

64, 70.312, 77.643

78, 18.118, 90.101

80, 10.046, 91.370

82, 2.115, 92.519

84, 5.668, 273.856

86, 13.307,
274.970

88, 17.488,
272.397

Harmonies

Complementary

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



70, 50.771, 84.582



50, 52.239, 285.525

Rectangle

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



70, 50.771, 84.582



70, 50.771, 134.582



70, 50.771, 264.582



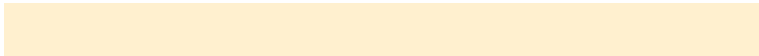
70, 50.771, 314.582

Sweetspot

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



70, 50.771, 84.585



95, 17.994, 90.548



51, 54.583, 4.426



50, 12.417, 90.176



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, 50.771, 84.585



82, 70.913, 82.515



79, 64.782, 113.299



42, 4.439, 91.776



52, 59.937, 78.087



10, 15.698, 81.273

Inverse Universe

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



50, 52.239, 285.525



55, 75.665, 289.812



42, 76.853, 303.951



40, 4.449, 274.191



27, 72.857, 297.568



4, 18.587, 283.056

Previews

White Background



This preview shows how the CIELCh color 70, 50.771, 84.582 looks on a white background.

Color Contrast Check

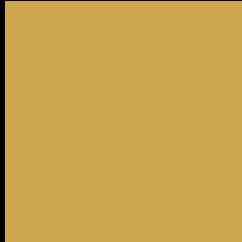
Large Text (above 18pt) WCAG AA × Fail

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, 50.771, 84.582 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, 50.771, 84.582

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.771, 84.582.



This preview shows how white text looks on a background with the CIELCh color 70, 50.771, 84.582.

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, 50.771, 84.582

Protanopia

70, 49.985, 95.951

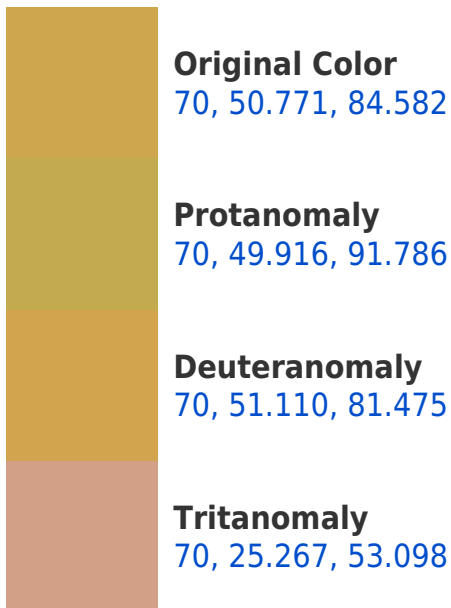
Deuteranopia

70, 51.344, 79.942



Tritanopia
70, 23.098, 5.346

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.771, 84.582 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(206, 166, 77)` looks like.

```
.text, #text, p{  
    color:rgb(206, 166, 77)  
}
```

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(206, 166, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 166, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.771, 84.582 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(206, 166, 77) }
```

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

```
.border{ border-color:rgb(206, 166, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 166, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 166, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 166, 77);  
box-shadow:4px 4px 4px 4px rgb(206, 166,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.771, 84.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 166, 77) }
```

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

```
.background{ background-color: rgb(206,  
166, 77) }
```

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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