

Converting Colors

CIELCh(70, 49.236, 65.944)

Have a look what the booklet for
CIELCh(70, 49.236, 65.944) contains.

CIELCh(70, 49.373, 66.317)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 49.373, 66.317)

Conversions

Conversions Part 1

Format	Color
Hex	E39C59
RGB	227, 156, 89
RGB Percent	89%, 61%, 35%
CMY	0.1105, 0.3888, 0.6515
CMYK	0.00, 0.31, 0.61, 0.11
HSL	29°, 71%, 62%
HSV	29°, 61%, 89%
XYZ	45.2860, 40.7494, 14.8988
YIQ	169.5910, 63.8230, -5.7850

Conversions

Conversions Part 2

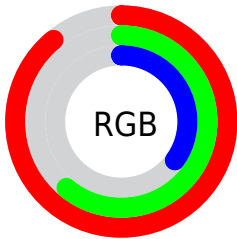
Format	Color
R _Y B	227, 219, 89
Decimal	14916697
CIE Lab	70.00, 19.83, 45.21
CIE LCh	70, 49.373, 66.317
Yxy	40.7494, 0.4487, 0.4037
Android (android.graphics.Color)	4293106777 (0xFFE39C59)
YUV	169.5910, -39.7314, 50.3477
Hunter-Lab	63.8353, 14.9196, 30.8467

Details

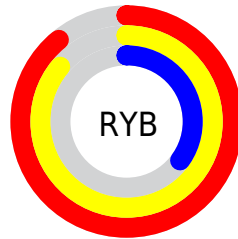
The CIELCh color **70, 49.373, 66.317** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **64, 40.613, 266.716**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 40.912, 80.652**, and **50, 49.319, 66.424** is the 20% darker color. If you saturate the color by 10%, you get **67, 58.382, 64.970**, and if you desaturate by 10%, it is **73, 40.388, 67.589**.

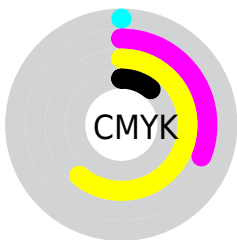
Distribution



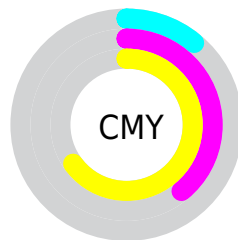
- Red (89%)
- Green (61%)
- Blue (35%)



- Red (89%)
- Yellow (86%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (11%)



- Cyan (11%)
- Magenta (39%)
- Yellow (65%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 49.373, 66.317 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, 49.373, 66.317 by changing the saturation by 10% instead.

 70, 49.373, 66.317

 70, 49.373, 66.317

 100, 49.373,
66.317

 60, 49.373, 66.317

 90, 49.373, 66.317

 50, 49.373, 66.317

 40, 49.373, 66.317

 30, 49.373, 66.317

 20, 49.373, 66.317

 10, 49.373, 66.317

 0, 49.373, 66.317

 70, 49.373, 66.317

 70, 49.373, 66.317

 67, 58.382, 64.970

 73, 40.388, 67.589

64, 66.907, 63.402

76, 31.671, 68.831

62, 74.022, 61.341

80, 23.321, 70.065

59, 78.740, 58.878

83, 15.364, 71.290

86, 7.790, 72.487

90, 0.573, 73.017

93, 6.321, 254.990

97, 8.095, 220.587

98, 9.570, 198.870

Harmonies

Complementary

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



70, 49.373, 66.317



64, 40.613, 266.716

Rectangle

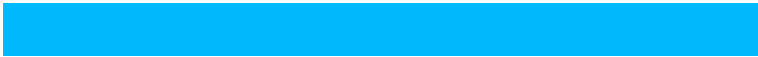
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 49.373, 66.317



70, 49.373, 116.317



70, 49.373, 246.317



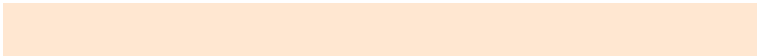
70, 49.373, 296.317

Sweetspot

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



70, 49.372, 66.321



93, 14.504, 71.618



58, 61.431, 349.792



49, 10.152, 71.263



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, 49.372, 66.321



74, 66.334, 64.584



87, 66.552, 103.746



45, 4.036, 72.647



47, 64.877, 59.567



11, 19.651, 58.612

Inverse Universe

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



64, 40.613, 266.716



66, 52.901, 271.424



46, 79.646, 299.304



45, 3.940, 255.120



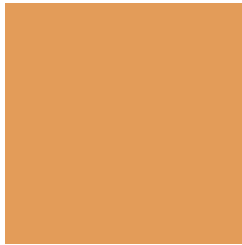
39, 52.928, 282.440



8, 18.515, 273.055

Previews

White Background



This preview shows how the CIELCh color 70, 49.373, 66.317 looks on a white background.

Color Contrast Check

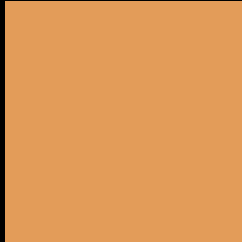
Large Text (above 18pt) WCAG AA × Fail

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 70, 49.373, 66.317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

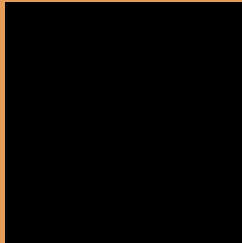
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.373, 66.317

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.373, 66.317.

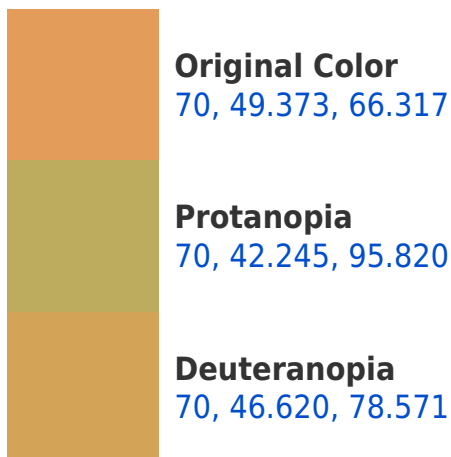


This preview shows how white text looks on a background with the CIELCh color 70, 49.373, 66.317.

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





Tritanopia
70, 33.853, 12.837

Trichromacy



Original Color
70, 49.373, 66.317

Protanomaly
70, 43.262, 83.841

Deuteranomaly
70, 47.204, 73.444

Tritanomaly
70, 35.121, 38.197

Monochromacy



Original Color
70, 49.373, 66.317

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 16.989, 70.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.373, 66.317 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(227, 156, 89)` looks like.

```
.text, #text, p{  
    color:rgb(227, 156, 89)  
}
```

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(227, 156, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 156, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.373, 66.317 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(227, 156, 89) }
```

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

```
.border{ border-color:rgb(227, 156, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 156, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 156, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 156, 89);  
box-shadow:4px 4px 4px 4px rgb(227, 156,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.373, 66.317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 156, 89) }
```

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

```
.background{ background-color: rgb(227,  
156, 89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor