

Converting Colors

CIELCh(70, 57.636, 72.003)

Have a look what the booklet for
CIELCh(70, 57.636, 72.003) contains.

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Color

CIELCh(70, 57.460, 72.103)

Conversions

Conversions Part 1

Format	Color
Hex	E29D45
RGB	226, 157, 69
RGB Percent	89%, 62%, 27%
CMY	0.1134, 0.3840, 0.7291
CMYK	0.00, 0.31, 0.69, 0.11
HSL	34°, 73%, 58%
HSV	34°, 69%, 89%
XYZ	44.5338, 40.7494, 11.1595
YIQ	167.5990, 69.3720, -12.7400

Conversions

Conversions Part 2

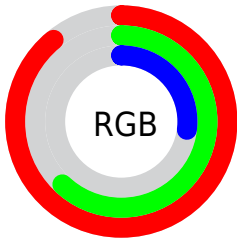
Format	Color
RYB	192, 226, 69
Decimal	14851397
CIELab	70.00, 17.66, 54.68
CIElCh	70, 57.460, 72.103
Yxy	40.7494, 0.4618, 0.4225
Android (android.graphics.Color)	4293041477 (0xFFE29D45)
YUV	167.5990, -48.6093, 51.2177
Hunter-Lab	63.8353, 12.8164, 34.3197

Details

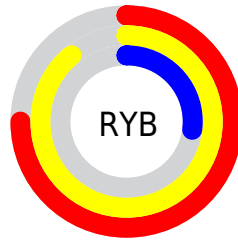
The CIELCh color **70, 57.460, 72.103** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **57, 51.540, 277.586**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 50.427, 85.074**, and **50, 57.484, 72.367** is the 20% darker color. If you saturate the color by 10%, you get **67, 65.419, 70.364**, and if you desaturate by 10%, it is **73, 48.850, 73.644**.

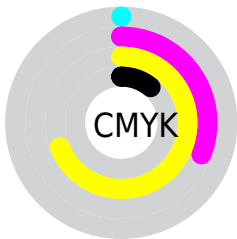
Distribution



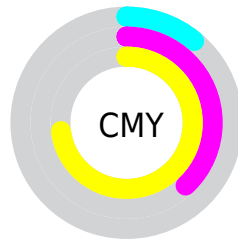
- Red (89%)
- Green (62%)
- Blue (27%)



- Red (75%)
- Yellow (89%)
- Blue (27%)



- Cyan (0%)
- Magenta (31%)
- Yellow (69%)
- Black (11%)



- Cyan (11%)
- Magenta (38%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.460, 72.103 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, 57.460, 72.103 by changing the saturation by 10% instead.

 70, 57.460, 72.103

 70, 57.460, 72.103

 100, 57.460,
72.103

 60, 57.460, 72.103

 90, 57.460, 72.103

 50, 57.460, 72.103

 40, 57.460, 72.103

 30, 57.460, 72.103

 20, 57.460, 72.103

 10, 57.460, 72.103

 0, 57.460, 72.103

 70, 57.460, 72.103

 70, 57.460, 72.103

 67, 65.419, 70.364

 73, 48.850, 73.644

65, 71.876, 68.206

75, 40.098, 75.085

63, 76.132, 65.437

78, 31.464, 76.476

63, 76.356, 65.288

81, 23.068, 77.833

84, 14.954, 79.157

87, 7.129, 80.432

90, 0.418, 262.584

93, 7.709, 263.012

96, 8.100, 231.736

Harmonies

Complementary

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



70, 57.460, 72.103



57, 51.540, 277.586

Rectangle

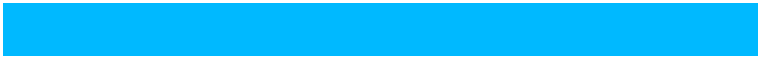
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 57.460, 72.103



70, 57.460, 122.103



70, 57.460, 252.103



70, 57.460, 302.103

Sweetspot

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



70, 57.459, 72.106



93, 17.860, 78.936



54, 65.889, 356.249



49, 12.151, 78.570



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, 57.459, 72.106



74, 74.819, 69.545



87, 74.739, 106.492



46, 4.259, 80.433



50, 63.186, 65.938



12, 19.813, 67.074

Inverse Universe

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



57, 51.540, 277.586



58, 68.168, 283.135



40, 92.993, 302.519



45, 4.203, 262.990



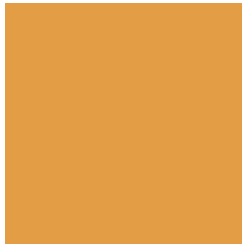
35, 61.294, 289.294



7, 20.905, 280.155

Previews

White Background



This preview shows how the CIELCh color 70, 57.460, 72.103 looks on a white background.

Color Contrast Check

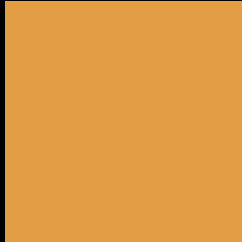
Large Text (above 18pt) WCAG AA × Fail

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, 57.460, 72.103 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, 57.460, 72.103

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.460, 72.103.



This preview shows how white text looks on a background with the CIELCh color 70, 57.460, 72.103.

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, 57.460, 72.103

Protanopia

70, 52.339, 95.602

Deuteranopia

70, 55.863, 80.940



Tritanopia
70, 33.853, 12.837

Trichromacy



Original Color
70, 57.460, 72.103

Protanomaly
70, 52.894, 86.665

Deuteranomaly
70, 56.244, 77.612

Tritanomaly
70, 36.964, 43.368

Monochromacy



Original Color
70, 57.460, 72.103

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 20.449, 77.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 57.460, 72.103 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(226, 157, 69)` looks like.

```
.text, #text, p{  
    color:rgb(226, 157, 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(226, 157, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 157, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.460, 72.103 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(226, 157, 69) }
```

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

```
.border{ border-color:rgb(226, 157, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 157, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 157, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 157, 69);  
box-shadow:4px 4px 4px 4px rgb(226, 157,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.460, 72.103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 157, 69) }
```

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

```
.background{ background-color: rgb(226,  
157, 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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