

Converting Colors

CIELCh(70, 57.297, 72.720)

Have a look what the booklet for
CIELCh(70, 57.297, 72.720) contains.

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Color

CIELCh(70, 57.268, 73.045)

Conversions

Conversions Part 1

Format	Color
Hex	E19E45
RGB	225, 158, 69
RGB Percent	88%, 62%, 27%
CMY	0.1188, 0.3814, 0.7304
CMYK	0.00, 0.30, 0.69, 0.12
HSL	34°, 72%, 58%
HSV	34°, 69%, 88%
XYZ	44.2053, 40.7494, 11.1241
YIQ	167.8870, 68.5010, -13.4750

Conversions

Conversions Part 2

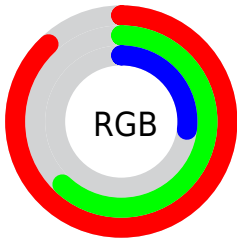
Format	Color
RYB	186, 225, 69
Decimal	14786117
CIELab	70.00, 16.70, 54.78
CIElCh	70, 57.268, 73.045
Yxy	40.7494, 0.4601, 0.4241
Android (android.graphics.Color)	4292976197 (0xFFE19E45)
YUV	167.8870, -48.7513, 50.0881
Hunter-Lab	63.8353, 11.8978, 34.3527

Details

The CIELCh color **70, 57.268, 73.045** 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 **56, 52.084, 278.496**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 50.682, 85.680**, and **50, 57.214, 73.349** is the 20% darker color. If you saturate the color by 10%, you get **68, 65.114, 71.296**, and if you desaturate by 10%, it is **73, 48.743, 74.599**.

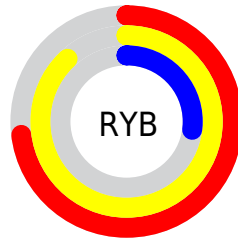
Distribution



Red (88%)

Green (62%)

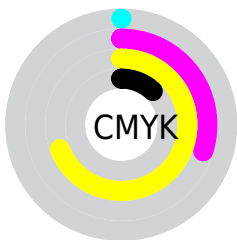
Blue (27%)



Red (73%)

Yellow (88%)

Blue (27%)

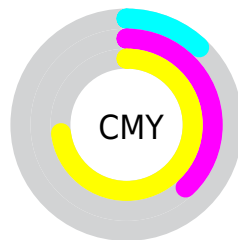


Cyan (0%)

Magenta (30%)

Yellow (69%)

Black (12%)



Cyan (12%)

Magenta (38%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 57.268, 73.045 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, 57.268, 73.045 by changing the saturation by 10% instead.

 70, 57.268, 73.045

 70, 57.268, 73.045

 100, 57.268,
73.045

 60, 57.268, 73.045

 90, 57.268, 73.045

 50, 57.268, 73.045

 40, 57.268, 73.045

 30, 57.268, 73.045


 20, 57.268, 73.045

 10, 57.268, 73.045

 0, 57.268, 73.045

 70, 57.268, 73.045

 70, 57.268, 73.045

 68, 65.114, 71.296

 73, 48.743, 74.599

65, 71.438, 69.137

75, 40.051, 76.052

63, 75.559, 66.382

78, 31.453, 77.452

63, 75.792, 66.221

81, 23.073, 78.818

84, 14.959, 80.147

87, 7.120, 81.426

90, 0.452, 263.493

93, 7.778, 264.005

95, 8.503, 238.284

Harmonies

Complementary

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



70, 57.268, 73.045



56, 52.084, 278.496

Rectangle

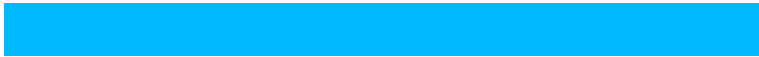
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 57.268, 73.045



70, 57.268, 123.045



70, 57.268, 253.045



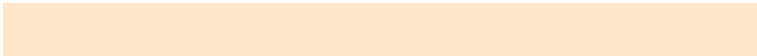
70, 57.268, 303.045

Sweetspot

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



70, 57.267, 73.048



93, 17.993, 79.919



54, 65.196, 357.468



49, 12.239, 79.551



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, 57.267, 73.048



75, 74.823, 70.459



86, 74.403, 107.337



46, 4.295, 81.422



50, 63.028, 66.849



12, 19.870, 68.215

Inverse Universe

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



56, 52.084, 278.496



57, 69.393, 284.019



40, 92.383, 302.772



45, 4.244, 263.979



34, 62.473, 290.098



7, 21.224, 280.919

Previews

White Background



This preview shows how the CIELCh color 70, 57.268, 73.045 looks on a white background.

Color Contrast Check

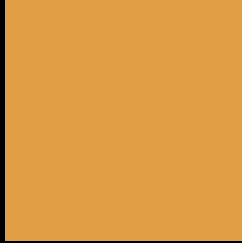
Large Text (above 18pt) WCAG AA × Fail

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, 57.268, 73.045 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, 57.268, 73.045

Background



This preview shows how black text looks on a background with the CIELCh color 70, 57.268, 73.045.



This preview shows how white text looks on a background with the CIELCh color 70, 57.268, 73.045.

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, 33.456, 12.669

Trichromacy



Original Color
70, 57.268, 73.045

Protanomaly
70, 53.173, 87.215

Deuteranomaly
70, 56.010, 78.006

Tritanomaly
70, 36.389, 44.514

Monochromacy



Original Color
70, 57.268, 73.045

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, 57.268, 73.045 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(225, 158, 69)` looks like.

```
.text, #text, p{  
    color:rgb(225, 158, 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(225, 158, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 158, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 57.268, 73.045 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(225, 158, 69) }
```

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

```
.border{ border-color:rgb(225, 158, 69) }
```

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

Here you see how a box with a 4 pixel rgb(225, 158, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 158, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 158, 69);  
box-shadow:4px 4px 4px 4px rgb(225, 158,  
69) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 57.268, 73.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 158, 69) }
```

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

```
.background{ background-color: rgb(225,  
158, 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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