

Converting Colors

CIELCh(70, 54.016, 67.101)

Have a look what the booklet for
CIELCh(70, 54.016, 67.101) contains.

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Color

CIELCh(70, 54.018, 67.098)

Conversions

Conversions Part 1

Format	Color
Hex	E69B50
RGB	230, 155, 80
RGB Percent	90%, 61%, 31%
CMY	0.0988, 0.3928, 0.6869
CMYK	0.00, 0.33, 0.65, 0.10
HSL	30°, 75%, 61%
HSV	30°, 65%, 90%
XYZ	45.7010, 40.7494, 13.0134
YIQ	168.8750, 68.7750, -7.4250

Conversions

Conversions Part 2

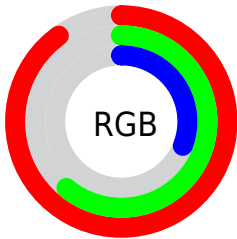
Format	Color
R _Y B	230, 230, 80
Decimal	15113040
CIE Lab	70.00, 21.02, 49.76
CIE LCh	70, 54.018, 67.098
Yxy	40.7494, 0.4595, 0.4097
Android (android.graphics.Color)	4293303120 (0xFFE69B50)
YUV	168.8750, -43.8154, 53.6066
Hunter-Lab	63.8353, 16.0802, 32.5979

Details

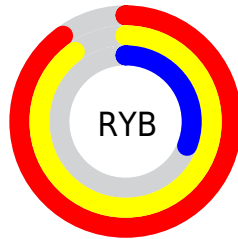
The CIELCh color **70, 54.018, 67.098** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **62, 44.769, 269.925**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 44.856, 81.913**, and **50, 54.020, 67.418** is the 20% darker color. If you saturate the color by 10%, you get **67, 62.876, 65.618**, and if you desaturate by 10%, it is **73, 44.950, 68.448**.

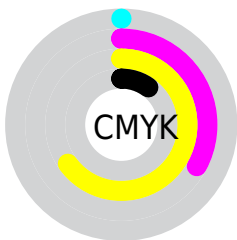
Distribution



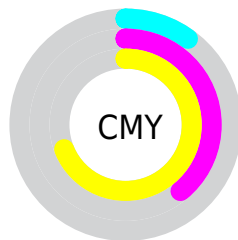
- Red (90%)
- Green (61%)
- Blue (31%)



- Red (90%)
- Yellow (90%)
- Blue (31%)



- Cyan (0%)
- Magenta (33%)
- Yellow (65%)
- Black (10%)



- Cyan (10%)
- Magenta (39%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 54.018, 67.098 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, 54.018, 67.098 by changing the saturation by 10% instead.

70, 54.018, 67.098

70, 54.018, 67.098

100, 54.018,
67.098

60, 54.018, 67.098

90, 54.018, 67.098

50, 54.018, 67.098

40, 54.018, 67.098

30, 54.018, 67.098

20, 54.018, 67.098

10, 54.018, 67.098

0, 54.018, 67.098

70, 54.018, 67.098

70, 54.018, 67.098

67, 62.876, 65.618

73, 44.950, 68.448

64, 70.828, 63.812

76, 36.032, 69.742

62, 76.789, 61.349

79, 27.423, 71.017

61, 79.018, 60.027

83, 19.181, 72.279

86, 11.315, 73.519

89, 3.807, 74.684

93, 3.373, 256.122

96, 7.084, 236.009

98, 8.589, 198.940

Harmonies

Complementary

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



70, 54.018, 67.098



62, 44.769, 269.925

Rectangle

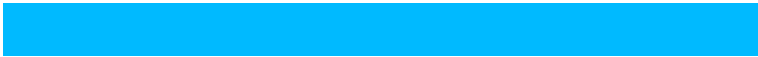
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 54.018, 67.098



70, 54.018, 117.098



70, 54.018, 247.098



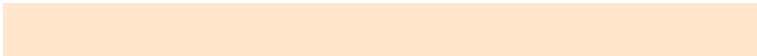
70, 54.018, 297.098

Sweetspot

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



70, 54.017, 67.102



93, 16.324, 72.921



57, 65.056, 351.760



48, 11.212, 72.569



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, 54.017, 67.102



73, 70.922, 65.091



89, 72.153, 104.221



46, 4.150, 74.217



48, 65.189, 60.702



12, 20.922, 60.623

Inverse Universe

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



62, 44.769, 269.925



63, 57.681, 275.110



43, 88.454, 300.857



46, 4.059, 256.724



39, 55.135, 283.958



9, 19.784, 275.279

Previews

White Background



This preview shows how the CIELCh color 70, 54.018, 67.098 looks on a white background.

Color Contrast Check

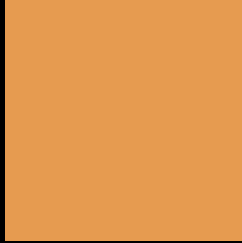
Large Text (above 18pt) WCAG AA × Fail

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, 54.018, 67.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

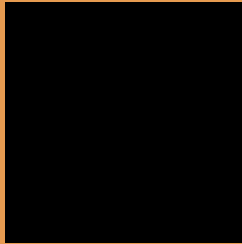
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 54.018, 67.098

Background



This preview shows how black text looks on a background with the CIELCh color 70, 54.018, 67.098.



This preview shows how white text looks on a background with the CIELCh color 70, 54.018, 67.098.

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, 35.923, 13.684

Trichromacy



Original Color
70, 54.018, 67.098

Protanomaly
70, 47.674, 84.752

Deuteranomaly
70, 51.427, 75.064

Tritanomaly
70, 37.790, 38.921

Monochromacy



Original Color
70, 54.018, 67.098

Achromatopsia
69, 0.009, 296.813

Achromatomaly
69, 18.592, 71.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 54.018, 67.098 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(230, 155, 80)` looks like.

```
.text, #text, p{  
    color:rgb(230, 155, 80)  
}
```

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(230, 155, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 155, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 54.018, 67.098 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(230, 155, 80) }
```

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

```
.border{ border-color:rgb(230, 155, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 155, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 155, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 155, 80);  
box-shadow:4px 4px 4px 4px rgb(230, 155,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 54.018, 67.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 155, 80) }
```

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

```
.background{ background-color: rgb(230,  
155, 80) }
```

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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