

Converting Colors

CIELCh(70, 64.293, 70.232)

Have a look what the booklet for
CIELCh(70, 64.293, 70.232) contains.

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Color

CIELCh(70, 64.271, 70.360)

Conversions

Conversions Part 1

Format	Color
Hex	E99A38
RGB	233, 154, 56
RGB Percent	91%, 60%, 22%
CMY	0.0860, 0.3958, 0.7802
CMYK	0.00, 0.34, 0.76, 0.09
HSL	33°, 80%, 57%
HSV	33°, 76%, 91%
XYZ	45.9046, 40.7494, 9.1944
YIQ	166.4490, 78.5420, -13.7300

Conversions

Conversions Part 2

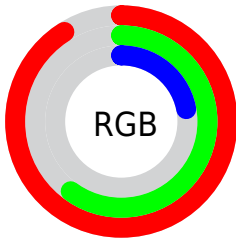
Format	Color
RYB	199, 233, 56
Decimal	15309368
CIELab	70.00, 21.60, 60.53
CIELCh	70, 64.271, 70.360
Yxy	40.7494, 0.4789, 0.4251
Android (android.graphics.Color)	4293499448 (0xFFE99A38)
YUV	166.4490, -54.4514, 58.3652
Hunter-Lab	63.8353, 16.6494, 36.1450

Details

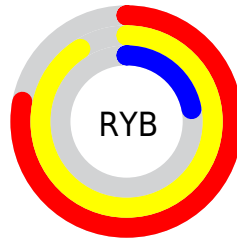
The CIELCh color **70, 64.271, 70.360** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **56, 57.184, 279.479**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 54.905, 84.300**, and **50, 61.635, 69.479** is the 20% darker color. If you saturate the color by 10%, you get **67, 71.598, 68.381**, and if you desaturate by 10%, it is **73, 55.758, 72.010**.

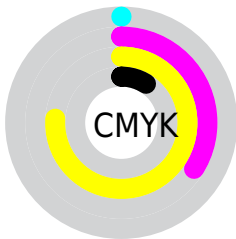
Distribution



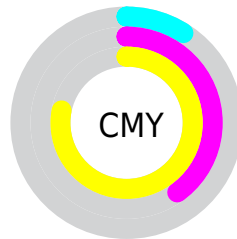
- Red (91%)
- Green (60%)
- Blue (22%)



- Red (78%)
- Yellow (91%)
- Blue (22%)



- Cyan (0%)
- Magenta (34%)
- Yellow (76%)
- Black (9%)



- Cyan (9%)
- Magenta (40%)
- Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 64.271, 70.360 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, 64.271, 70.360 by changing the saturation by 10% instead.

 70, 64.271, 70.360

 70, 64.271, 70.360

 100, 64.271,
70.360

 60, 64.271, 70.360

 90, 64.271, 70.360

 50, 64.271, 70.360

 40, 64.271, 70.360

 30, 64.271, 70.360

 20, 64.271, 70.360

 10, 64.271, 70.360

 0, 64.271, 70.360

 70, 64.271, 70.360

 70, 64.271, 70.360

 67, 71.598, 68.381

 73, 55.758, 72.010

65, 76.695, 65.769

75, 46.816, 73.499

64, 78.304, 64.605

78, 37.860, 74.912

81, 29.094, 76.285

84, 20.606, 77.628

87, 12.423, 78.936

90, 4.542, 80.172

94, 3.055, 261.621

97, 6.184, 236.598

Harmonies

Complementary

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



70, 64.271, 70.360



56, 57.184, 279.479

Rectangle

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



70, 64.271, 70.360



70, 64.271, 120.360



70, 64.271, 250.360



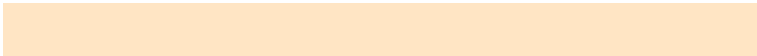
70, 64.271, 300.360

Sweetspot

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



70, 64.270, 70.363



92, 19.541, 78.003



54, 71.502, 358.079



48, 13.620, 77.522



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, 64.270, 70.363



72, 80.004, 67.045



89, 81.396, 106.194



48, 4.393, 79.753



51, 64.676, 65.248



14, 22.307, 66.726

Inverse Universe

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



56, 57.184, 279.479



55, 74.110, 285.952



38, 104.239, 303.751



47, 4.331, 262.320



36, 61.938, 288.833



8, 22.602, 281.187

Previews

White Background



This preview shows how the CIELCh color 70, 64.271, 70.360 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, 64.271, 70.360 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, 64.271, 70.360

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.271, 70.360.



This preview shows how white text looks on a background with the CIELCh color 70, 64.271, 70.360.

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, 64.271, 70.360

Protanopia

70, 57.558, 95.403

Deuteranopia

70, 61.795, 81.642



Tritanopia
70, 38.400, 14.615

Trichromacy



Original Color
70, 64.271, 70.360

Protanomaly
70, 58.382, 85.367

Deuteranomaly
70, 62.548, 77.396

Tritanomaly
70, 42.375, 43.939

Monochromacy



Original Color
70, 64.271, 70.360

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 22.855, 76.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.271, 70.360 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(233, 154, 56)` looks like.

```
.text, #text, p{  
    color:rgb(233, 154, 56)  
}
```

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(233, 154, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 154, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.271, 70.360 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(233, 154, 56) }
```

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

```
.border{ border-color:rgb(233, 154, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 154, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 154, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 154, 56);  
box-shadow:4px 4px 4px 4px rgb(233, 154,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.271, 70.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 154, 56) }
```

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

```
.background{ background-color: rgb(233,  
154, 56) }
```

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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