

Converting Colors

CIELCh(69, 63.675, 70.029)

Have a look what the booklet for
CIELCh(69, 63.675, 70.029) contains.

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Color

CIELCh(69, 63.670, 69.885)

Conversions

Conversions Part 1

Format	Color
Hex	E69737
RGB	230, 151, 55
RGB Percent	90%, 59%, 22%
CMY	0.0971, 0.4070, 0.7834
CMYK	0.00, 0.34, 0.76, 0.10
HSL	33°, 78%, 56%
HSV	33°, 76%, 90%
XYZ	44.5091, 39.3444, 8.8901
YIQ	163.6770, 77.9000, -13.1080

Conversions

Conversions Part 2

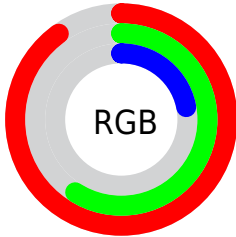
Format	Color
RYB	199, 230, 55
Decimal	15111991
CIELab	69.00, 21.90, 59.79
CIElCh	69, 63.670, 69.885
Yxy	39.3444, 0.4799, 0.4242
Android (android.graphics.Color)	4293302071 (0xFFE69737)
YUV	163.6770, -53.5778, 58.1653
Hunter-Lab	62.7251, 16.8930, 35.5043

Details

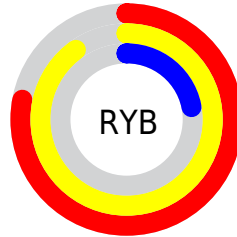
The CIELCh color **69, 63.670, 69.885** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **56, 56.186, 278.999**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 54.675, 82.723**, and **49, 60.902, 68.875** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.979, 67.915**, and if you desaturate by 10%, it is **72, 55.205, 71.525**.

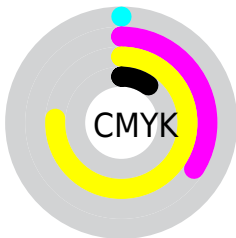
Distribution



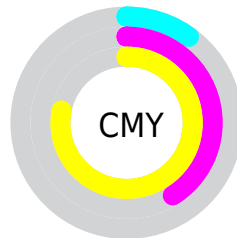
- Red (90%)
- Green (59%)
- Blue (22%)



- Red (78%)
- Yellow (90%)
- Blue (22%)



- Cyan (0%)
- Magenta (34%)
- Yellow (76%)
- Black (10%)



- Cyan (10%)
- Magenta (41%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 63.670, 69.885 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 69, 63.670, 69.885 by changing the saturation by 10% instead.

69, 63.670, 69.885

69, 63.670, 69.885

100, 63.670,
69.885

59, 63.670, 69.885

89, 63.670, 69.885

49, 63.670, 69.885

99, 63.670, 69.885

39, 63.670, 69.885

29, 63.670, 69.885

19, 63.670, 69.885

9, 63.670, 69.885

0, 63.670, 69.885

69, 63.670, 69.885

69, 63.670, 69.885

66, 70.979, 67.915

72, 55.205, 71.525

64, 76.095, 65.306

74, 46.331, 73.003

63, 77.708, 64.171

77, 37.457, 74.408

80, 28.782, 75.774

83, 20.391, 77.110

86, 12.309, 78.413

89, 4.532, 79.646

93, 2.960, 261.098

96, 7.134, 246.621

Harmonies

Complementary

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



69, 63.670, 69.885



56, 56.186, 278.999

Rectangle

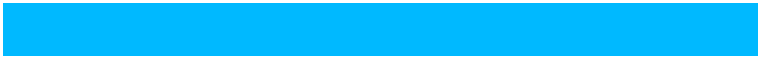
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 63.670, 69.885



69, 63.670, 119.885



69, 63.670, 249.885



69, 63.670, 299.885

Sweetspot

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



69, 63.669, 69.888



92, 19.472, 77.490



53, 71.207, 356.795



48, 13.574, 77.012



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 63.669, 69.888



72, 80.075, 66.582



88, 80.612, 105.319



47, 4.297, 79.238



50, 64.086, 64.830



13, 21.031, 65.962

Inverse Universe

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



56, 56.186, 278.999



55, 73.401, 285.501



37, 103.430, 303.555



46, 4.233, 261.798



36, 60.619, 288.356



8, 21.499, 280.133

Previews

White Background



This preview shows how the CIELCh color 69, 63.670, 69.885 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 69, 63.670, 69.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

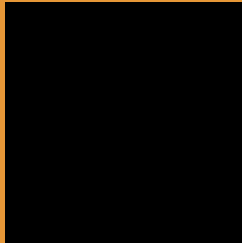
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 63.670, 69.885

Background



This preview shows how black text looks on a background with the CIELCh color 69, 63.670, 69.885.



This preview shows how white text looks on a background with the CIELCh color 69, 63.670, 69.885.

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

69, 63.670, 69.885

Protanopia

69, 56.755, 95.254

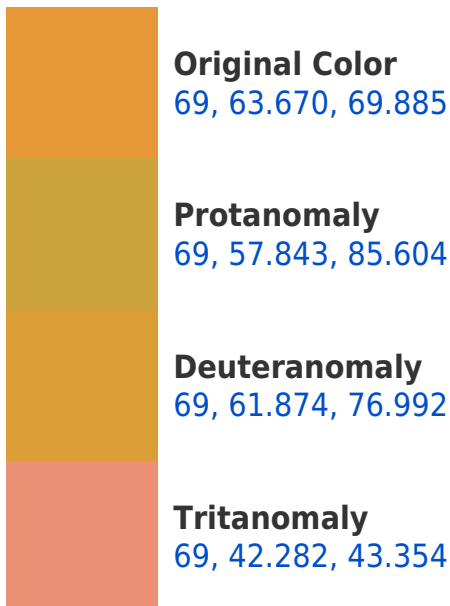
Deuteranopia

69, 61.084, 81.291



Tritanopia
69, 38.110, 15.341

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 63.670, 69.885 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, 151, 55)` looks like.

```
.text, #text, p{  
    color:rgb(230, 151, 55)  
}
```

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, 151, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 151, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 63.670, 69.885 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, 151, 55) }
```

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

```
.border{ border-color:rgb(230, 151, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 151, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 151, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 151, 55);  
box-shadow:4px 4px 4px 4px rgb(230, 151,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 63.670, 69.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 151, 55) }
```

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

```
.background{ background-color: rgb(230,  
151, 55) }
```

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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