

Converting Colors

CIELCh(70, 62.806, 65.133)

Have a look what the booklet for
CIELCh(70, 62.806, 65.133) contains.

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Color

CIELCh(70, 62.729, 65.443)

Conversions

Conversions Part 1

Format	Color
Hex	EF9741
RGB	239, 151, 65
RGB Percent	94%, 59%, 25%
CMY	0.0637, 0.4087, 0.7459
CMYK	0.00, 0.37, 0.73, 0.06
HSL	30°, 84%, 60%
HSV	30°, 73%, 94%
XYZ	47.4910, 40.7494, 10.3312
YIQ	167.5080, 80.0540, -8.0900

Conversions

Conversions Part 2

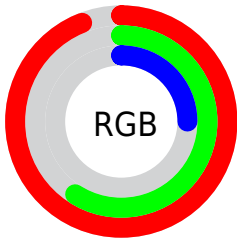
Format	Color
R _Y B	239, 235, 65
Decimal	15701825
CIE Lab	70.00, 26.07, 57.06
CIE LCh	70, 62.729, 65.443
Yxy	40.7494, 0.4818, 0.4134
Android (android.graphics.Color)	4293891905 (0xFFEF9741)
YUV	167.5080, -50.5364, 62.6985
Hunter-Lab	63.8353, 21.0854, 35.0891

Details

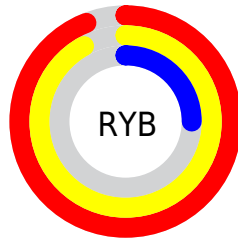
The CIELCh color **70, 62.729, 65.443** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **62, 50.784, 272.249**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 50.841, 81.980**, and **50, 62.754, 65.560** is the 20% darker color. If you saturate the color by 10%, you get **67, 71.286, 63.754**, and if you desaturate by 10%, it is **73, 53.453, 66.869**.

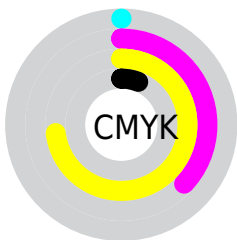
Distribution



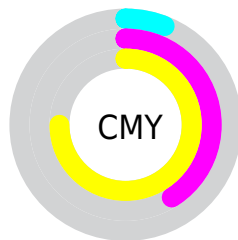
- Red (94%)
- Green (59%)
- Blue (25%)



- Red (94%)
- Yellow (92%)
- Blue (25%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (6%)



- Cyan (6%)
- Magenta (41%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 62.729, 65.443 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, 62.729, 65.443 by changing the saturation by 10% instead.

70, 62.729, 65.443

70, 62.729, 65.443

100, 62.729,
65.443

60, 62.729, 65.443

90, 62.729, 65.443

50, 62.729, 65.443

40, 62.729, 65.443

30, 62.729, 65.443

20, 62.729, 65.443

10, 62.729, 65.443

0, 62.729, 65.443

70, 62.729, 65.443

70, 62.729, 65.443

67, 71.286, 63.754

73, 53.453, 66.869

65, 78.071, 61.486

76, 44.089, 68.183

63, 81.573, 59.468

79, 34.945, 69.458

83, 26.152, 70.719

86, 17.754, 71.968

90, 9.749, 73.194

93, 2.114, 74.262

97, 4.862, 252.973

99, 5.588, 199.170

Harmonies

Complementary

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



70, 62.729, 65.443



62, 50.784, 272.249

Rectangle

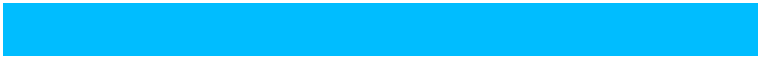
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 62.729, 65.443



70, 62.729, 115.443



70, 62.729, 245.443



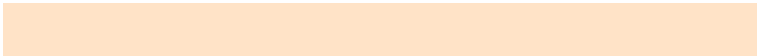
70, 62.729, 295.443

Sweetspot

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



70, 62.728, 65.446



92, 17.987, 72.065



57, 72.796, 352.314



48, 12.166, 71.727



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, 62.728, 65.446



70, 78.410, 62.841



91, 79.640, 102.866



48, 4.285, 73.595



49, 66.753, 60.150



14, 23.416, 60.619

Inverse Universe

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



62, 50.784, 272.249



60, 63.424, 278.481



40, 100.760, 302.091



48, 4.187, 256.103



40, 55.771, 283.490



10, 21.167, 275.727

Previews

White Background



This preview shows how the CIELCh color 70, 62.729, 65.443 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, 62.729, 65.443 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, 62.729, 65.443

Background



This preview shows how black text looks on a background with the CIELCh color 70, 62.729, 65.443.



This preview shows how white text looks on a background with the CIELCh color 70, 62.729, 65.443.

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, 62.729, 65.443

Protanopia

70, 53.227, 95.653

Deuteranopia

70, 58.521, 81.238



Tritanopia
70, 41.321, 16.349

Trichromacy



Original Color
70, 62.729, 65.443

Protanomaly
70, 54.213, 83.408

Deuteranomaly
70, 59.643, 75.468

Tritanomaly
70, 44.730, 40.322

Monochromacy



Original Color
70, 62.729, 65.443

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 21.799, 70.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 62.729, 65.443 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(239, 151, 65)` looks like.

```
.text, #text, p{  
    color:rgb(239, 151, 65)  
}
```

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(239, 151, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 151, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 62.729, 65.443 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(239, 151, 65) }
```

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

```
.border{ border-color:rgb(239, 151, 65) }
```

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

Here you see how a box with a 4 pixel rgb(239, 151, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 151, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 151, 65);  
box-shadow:4px 4px 4px 4px rgb(239, 151,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 62.729, 65.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 151, 65) }
```

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

```
.background{ background-color: rgb(239,  
151, 65) }
```

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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