

Converting Colors

CIELCh(67, 69.509, 62.826)

Have a look what the booklet for
CIELCh(67, 69.509, 62.826) contains.

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Color

CIELCh(67, 69.509, 62.826)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EE8A2E |
| RGB | 238, 138, 46 |
| RGB Percent | 93%, 54%, 18% |
| CMY | 0.0659, 0.4582, 0.8189 |
| CMYK | 0.00, 0.42, 0.81, 0.07 |
| HSL | 29°, 85%, 56% |
| HSV | 29°, 81%, 93% |
| XYZ | 44.9325, 36.6320, 7.3048 |
| YIQ | 157.4120, 89.1320, -7.4120 |

Conversions

Conversions Part 2

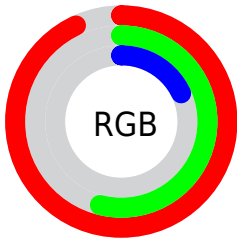
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 238, 223, 46 |
| Decimal | 15632942 |
| CIE Lab | 67.00, 31.74, 61.84 |
| CIE LCh | 67, 69.509, 62.826 |
| Yxy | 36.6320, 0.5056, 0.4122 |
| Android (android.graphics.Color) | 4293823022 (0xFFEE8A2E) |
| YUV | 157.4120, -54.9261, 70.6757 |
| Hunter-Lab | 60.5244, 26.5985, 35.2113 |

Details

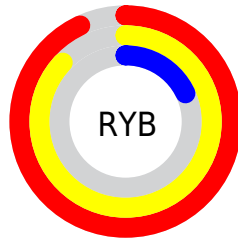
The CIELCh color **67, 69.509, 62.826** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 54.323, 273.791**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 56.260, 76.599**, and **47, 64.651, 60.271** is the 20% darker color. If you saturate the color by 10%, you get **64, 76.990, 60.789**, and if you desaturate by 10%, it is **70, 60.573, 64.373**.

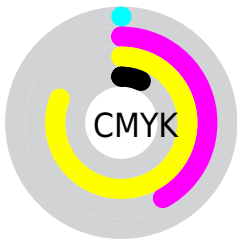
Distribution



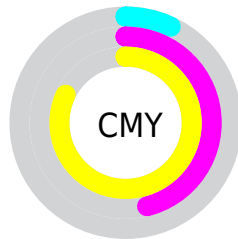
- Red (93%)
- Green (54%)
- Blue (18%)



- Red (93%)
- Yellow (87%)
- Blue (18%)



- Cyan (0%)
- Magenta (42%)
- Yellow (81%)
- Black (7%)



- Cyan (7%)
- Magenta (46%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 69.509, 62.826 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 67, 69.509, 62.826 by changing the saturation by 10% instead.

67, 69.509, 62.826

67, 69.509, 62.826

100, 69.509,
62.826

57, 69.509, 62.826

87, 69.509, 62.826

47, 69.509, 62.826

97, 69.509, 62.826

37, 69.509, 62.826

27, 69.509, 62.826

17, 69.509, 62.826

7, 69.509, 62.826

0, 69.509, 62.826

67, 69.509, 62.826

67, 69.509, 62.826

64, 76.990, 60.789

70, 60.573, 64.373

62, 81.999, 58.244

73, 51.155, 65.700

76, 41.784, 66.948

80, 32.708, 68.173

83, 24.028, 69.394

87, 15.767, 70.607

90, 7.914, 71.795

94, 0.440, 72.054

98, 4.752, 233.084

Harmonies

Complementary

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



67, 69.509, 62.826



59, 54.323, 273.791

Rectangle

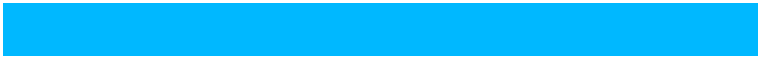
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 69.509, 62.826



67, 69.509, 112.826



67, 69.509, 242.826



67, 69.509, 292.826

Sweetspot

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



67, 69.507, 62.829



91, 19.573, 70.187



54, 77.132, 353.050



47, 13.571, 69.753



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 69.507, 62.829



67, 84.882, 58.936



90, 83.569, 101.490



48, 4.246, 71.925



48, 67.198, 58.921



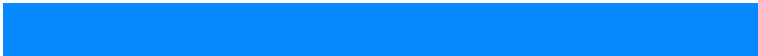
13, 23.431, 59.019

Inverse Universe

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



59, 54.323, 273.791



57, 68.474, 281.550



37, 109.276, 303.293



48, 4.139, 254.400



41, 54.075, 281.915



10, 20.607, 274.021

Previews

White Background



This preview shows how the CIELCh color 67, 69.509, 62.826 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 67, 69.509, 62.826 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 67, 69.509, 62.826

Background



This preview shows how black text looks on a background with the CIELCh color 67, 69.509, 62.826.



This preview shows how white text looks on a background with the CIELCh color 67, 69.509, 62.826.

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

67, 69.509, 62.826

Protanopia

67, 57.470, 95.541

Deuteranopia

67, 63.601, 82.012



Tritanopia
67, 46.813, 18.141

Trichromacy



Original Color
67, 69.509, 62.826

Protanomaly
67, 58.835, 82.206

Deuteranomaly
67, 64.761, 74.422

Tritanomaly
67, 51.263, 40.156

Monochromacy



Original Color
67, 69.509, 62.826

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 24.586, 69.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 69.509, 62.826 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(238, 138, 46)` looks like.

```
.text, #text, p{  
    color:rgb(238, 138, 46)  
}
```

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(238, 138, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 138, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 69.509, 62.826 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(238, 138, 46) }
```

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

```
.border{ border-color:rgb(238, 138, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 138, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 138, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 138, 46);  
box-shadow:4px 4px 4px 4px rgb(238, 138,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 69.509, 62.826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 138, 46) }
```

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

```
.background{ background-color: rgb(238,  
138, 46) }
```

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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