

Converting Colors

CIELCh(68, 68.049, 64.951)

Have a look what the booklet for
CIELCh(68, 68.049, 64.951) contains.

CIELCh(68, 67.951, 64.905)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 67.951, 64.905)

Conversions

Conversions Part 1

Format	Color
Hex	ED8F31
RGB	237, 143, 49
RGB Percent	93%, 56%, 19%
CMY	0.0697, 0.4384, 0.8070
CMYK	0.00, 0.40, 0.79, 0.07
HSL	30°, 84%, 56%
HSV	30°, 79%, 93%
XYZ	45.4137, 37.9720, 7.8643
YIQ	160.3900, 86.1980, -9.3060

Conversions

Conversions Part 2

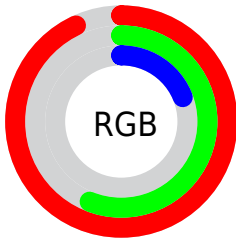
Format	Color
R _Y B	237, 237, 49
Decimal	15568689
CIE Lab	68.00, 28.82, 61.54
CIE LCh	68, 67.951, 64.905
Yxy	37.9720, 0.4977, 0.4161
Android (android.graphics.Color)	4293758769 (0xFFED8F31)
YUV	160.3900, -54.9153, 67.1870
Hunter-Lab	61.6215, 23.7131, 35.5683

Details

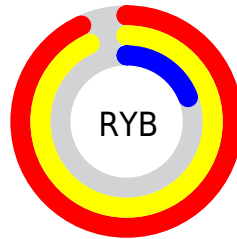
The CIELCh color **68, 67.951, 64.905** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **59, 55.231, 275.495**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 55.759, 78.997**, and **48, 63.603, 62.911** is the 20% darker color. If you saturate the color by 10%, you get **65, 75.413, 62.874**, and if you desaturate by 10%, it is **71, 59.129, 66.496**.

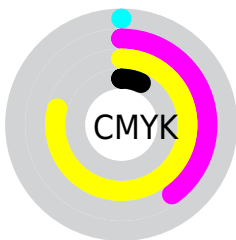
Distribution



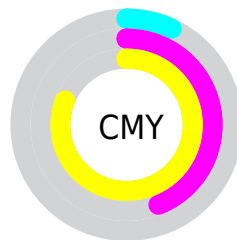
- Red (93%)
- Green (56%)
- Blue (19%)



- Red (93%)
- Yellow (93%)
- Blue (19%)



- Cyan (0%)
- Magenta (40%)
- Yellow (79%)
- Black (7%)



- Cyan (7%)
- Magenta (44%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 67.951, 64.905 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 68, 67.951, 64.905 by changing the saturation by 10% instead.

68, 67.951, 64.905

68, 67.951, 64.905

100, 67.951,
64.905

58, 67.951, 64.905

88, 67.951, 64.905

48, 67.951, 64.905

98, 67.951, 64.905

38, 67.951, 64.905

28, 67.951, 64.905

18, 67.951, 64.905

8, 67.951, 64.905

0, 67.951, 64.905

68, 67.951, 64.905

68, 67.951, 64.905

65, 75.413, 62.874

71, 59.129, 66.496

63, 80.613, 60.135

74, 49.851, 67.886

63, 80.979, 59.937

77, 40.608, 69.198

80, 31.632, 70.480

84, 23.019, 71.749

87, 14.793, 73.002

91, 6.944, 74.217

94, 0.554, 256.256

97, 5.031, 229.994

Harmonies

Complementary

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



68, 67.951, 64.905



59, 55.231, 275.495

Rectangle

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



68, 67.951, 64.905



68, 67.951, 114.905



68, 67.951, 244.905



68, 67.951, 294.905

Sweetspot

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



68, 67.949, 64.908



91, 19.775, 72.399



54, 75.803, 353.933



47, 13.702, 71.950



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 67.949, 64.908



68, 83.222, 61.250



90, 83.535, 102.497



48, 4.300, 74.191



49, 66.600, 60.603



14, 23.415, 61.201

Inverse Universe

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



59, 55.231, 275.495



56, 69.908, 282.755



37, 108.819, 303.440



48, 4.206, 256.709



40, 56.393, 284.039



10, 21.374, 276.326

Previews

White Background



This preview shows how the CIELCh color 68, 67.951, 64.905 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 68, 67.951, 64.905 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 68, 67.951, 64.905

Background



This preview shows how black text looks on a background with the CIELCh color 68, 67.951, 64.905.



This preview shows how white text looks on a background with the CIELCh color 68, 67.951, 64.905.

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

68, 67.951, 64.905

Protanopia

68, 57.561, 95.173

Deuteranopia

68, 63.002, 82.057



Tritanopia
68, 44.130, 17.303

Trichromacy



Original Color
68, 67.951, 64.905

Protanomaly
68, 58.988, 82.870

Deuteranomaly
68, 63.973, 75.694

Tritanomaly
68, 48.361, 40.762

Monochromacy



Original Color
68, 67.951, 64.905

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 24.345, 71.647

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 67.951, 64.905 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(237, 143, 49)` looks like.

```
.text, #text, p{  
    color:rgb(237, 143, 49)  
}
```

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(237, 143, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 143, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 67.951, 64.905 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(237, 143, 49) }
```

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

```
.border{ border-color:rgb(237, 143, 49) }
```

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

Here you see how a box with a 4 pixel rgb(237, 143, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 143, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 143, 49);  
box-shadow:4px 4px 4px 4px rgb(237, 143,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 67.951, 64.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 143, 49) }
```

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

```
.background{ background-color: rgb(237,  
143, 49) }
```

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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