

# Converting Colors

CIELCh(72, 48.780, 60.948)

Have a look what the booklet for  
CIELCh(72, 48.780, 60.948) contains.

<b>CIELCh(72, 48.939, 60.657)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(72, 48.939, 60.657)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EE9E63
RGB	238, 158, 99
RGB Percent	93%, 62%, 39%
CMY	0.0657, 0.3795, 0.6109
CMYK	0.00, 0.34, 0.58, 0.07
HSL	25°, 81%, 66%
HSV	25°, 58%, 93%
XYZ	49.8756, 43.6590, 17.6569
YIQ	175.1940, 66.6190, -1.3890

# Conversions

## Conversions Part 2

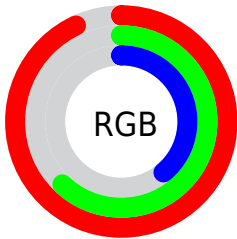
Format	Color
R <sub>Y</sub> B	238, 202, 99
Decimal	15638115
CIE Lab	72.00, 23.98, 42.66
CIE LCh	72, 48.939, 60.657
Yxy	43.6590, 0.4486, 0.3926
Android (android.graphics.Color)	4293828195 (0xFFEE9E63)
YUV	175.1940, -37.5636, 55.0809
Hunter-Lab	66.0750, 19.1065, 30.4087

# Details

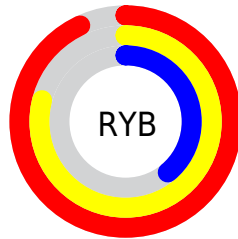
The CIELCh color **72, 48.939, 60.657** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **70, 37.619, 258.392**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 36.725, 79.594**, and **52, 48.855, 60.570** is the 20% darker color. If you saturate the color by 10%, you get **69, 58.725, 59.633**, and if you desaturate by 10%, it is **76, 39.412, 61.665**.

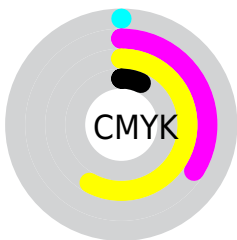
# Distribution



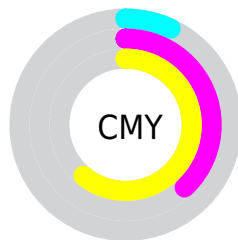
- Red (93%)
- Green (62%)
- Blue (39%)



- Red (93%)
- Yellow (79%)
- Blue (39%)



- Cyan (0%)
- Magenta (34%)
- Yellow (58%)
- Black (7%)



- Cyan (7%)
- Magenta (38%)
- Yellow (61%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 48.939, 60.657 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 72, 48.939, 60.657 by changing the saturation by 10% instead.



 72, 48.939, 60.657

 72, 48.939, 60.657

 100, 48.939,  
60.657

 62, 48.939, 60.657

 92, 48.939, 60.657

 52, 48.939, 60.657

 42, 48.939, 60.657

 32, 48.939, 60.657

 22, 48.939, 60.657

 12, 48.939, 60.657

 2, 48.939, 60.657

 0, 48.939, 60.657

 72, 48.939, 60.657

 72, 48.939, 60.657

69, 58.725, 59.633

76, 39.412, 61.665

65, 68.351, 58.463

79, 30.327, 62.686

63, 76.954, 56.888

83, 21.741, 63.733

60, 83.356, 54.540

87, 13.652, 64.795

59, 84.328, 54.163

91, 6.032, 65.838

95, 1.161, 247.425

99, 5.493, 203.311

99, 5.752, 199.156

# Harmonies

# Complementary

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



72, 48.939, 60.657



70, 37.619, 258.392

# Rectangle

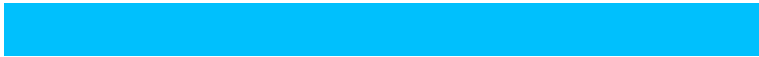
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 48.939, 60.657



72, 48.939, 110.657



72, 48.939, 240.657



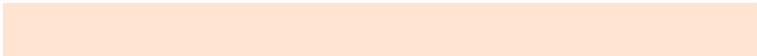
72, 48.939, 290.657

# Sweetspot

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



72, 48.938, 60.661



92, 14.132, 64.826



62, 63.990, 345.322



48, 9.907, 64.515



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



72, 48.938, 60.661



72, 63.780, 59.427



89, 63.284, 100.496



48, 4.135, 65.725



46, 69.017, 54.826



13, 23.637, 53.436





# Inverse Universe

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



70, 37.619, 258.392



70, 46.447, 262.676



52, 73.438, 296.317



48, 3.997, 248.020



44, 48.365, 275.568



12, 18.764, 267.275



# Previews

## White Background



This preview shows how the CIELCh color 72, 48.939, 60.657 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 72, 48.939, 60.657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

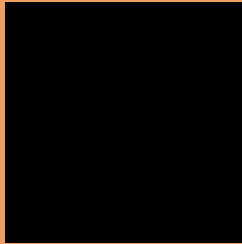
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 48.939, 60.657**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 48.939, 60.657.



This preview shows how white text looks on a background with the CIELCh color 72, 48.939, 60.657.

# 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

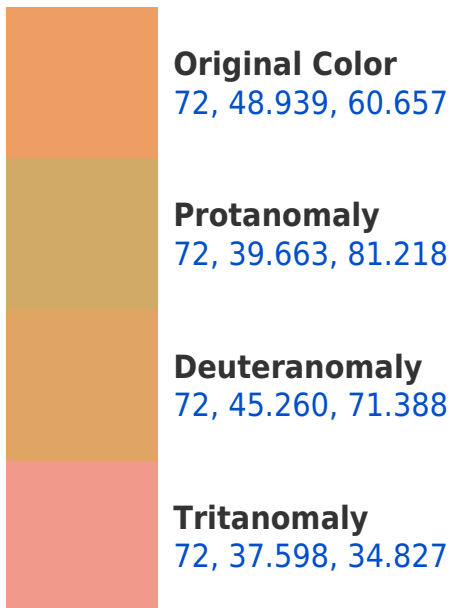




**Tritanopia**  
72, 36.906, 14.002



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 48.939, 60.657 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, 158, 99)` looks like.

```
.text, #text, p{  
    color:rgb(238, 158, 99)  
}
```

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, 158, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 158, 99) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 48.939, 60.657 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, 158, 99) }
```

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

```
.border{ border-color:rgb(238, 158, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 158, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 158, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 158, 99);  
box-shadow:4px 4px 4px 4px rgb(238, 158,  
99) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 48.939, 60.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 158, 99) }
```

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

```
.background{ background-color: rgb(238,  
158, 99) }
```

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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