

# Converting Colors

CIELCh(72, 58.941, 55.332)

Have a look what the booklet for  
CIELCh(72, 58.941, 55.332) contains.

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# **Color**

**CIELCh(72, 58.979, 54.924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE9659
RGB	254, 150, 89
RGB Percent	100%, 59%, 35%
CMY	0.0035, 0.4114, 0.6506
CMYK	0.00, 0.41, 0.65, 0.00
HSL	22°, 99%, 67%
HSV	22°, 65%, 100%
XYZ	53.6439, 43.6590, 15.0710
YIQ	174.1420, 81.5650, 3.0770

# Conversions

## Conversions Part 2

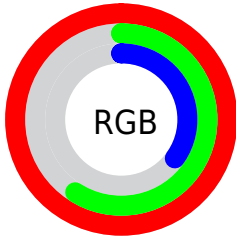
Format	Color
R <sub>Y</sub> B	254, 186, 89
Decimal	16684633
CIE Lab	72.00, 33.89, 48.27
CIE LCh	72, 58.979, 54.924
Yxy	43.6590, 0.4774, 0.3885
Android (android.graphics.Color)	4294874713 (0xFFFE9659)
YUV	174.1420, -41.9750, 70.0355
Hunter-Lab	66.0750, 29.2864, 32.7291

# Details

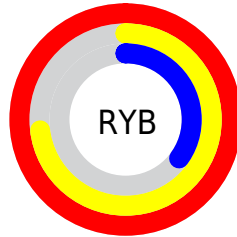
The CIELCh color **72, 58.979, 54.924** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **74, 40.707, 253.044**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 39.707, 75.793**, and **52, 58.707, 54.929** is the 20% darker color. If you saturate the color by 10%, you get **68, 69.727, 54.216**, and if you desaturate by 10%, it is **76, 48.376, 55.596**.

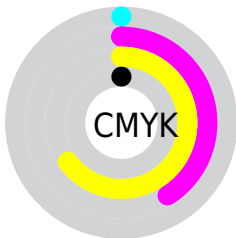
# Distribution



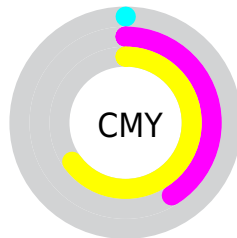
- Red (100%)
- Green (59%)
- Blue (35%)



- Red (100%)
- Yellow (73%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 58.979, 54.924 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, 58.979, 54.924 by changing the saturation by 10% instead.



72, 58.979, 54.924

72, 58.979, 54.924

100, 58.979,  
54.924

62, 58.979, 54.924

92, 58.979, 54.924

52, 58.979, 54.924

42, 58.979, 54.924

32, 58.979, 54.924

22, 58.979, 54.924

12, 58.979, 54.924

2, 58.979, 54.924

0, 58.979, 54.924

72, 58.979, 54.924

72, 58.979, 54.924

68, 69.727, 54.216

76, 48.376, 55.596

65, 79.895, 53.244

80, 38.246, 56.305

62, 88.112, 51.566

84, 28.707, 57.077

61, 91.384, 50.479

88, 19.782, 57.906

93, 11.447, 58.773

97, 3.657, 59.589

100, 0.308,  
201.540

# Harmonies

# Complementary

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



72, 58.979, 54.924



74, 40.707, 253.044

# Rectangle

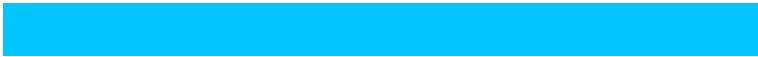
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 58.979, 54.924



72, 58.979, 104.924



72, 58.979, 234.924



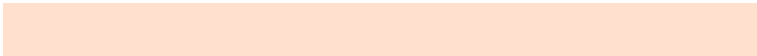
72, 58.979, 284.924

# Sweetspot

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



72, 58.977, 54.928



91, 14.805, 58.418



63, 75.268, 343.421



47, 10.291, 58.170



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, 58.977, 54.928



68, 73.158, 53.961



92, 70.187, 96.872



51, 4.289, 59.240



46, 73.357, 51.125



14, 27.739, 49.503





# Inverse Universe

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



74, 40.707, 253.044



70, 46.884, 258.222



53, 82.055, 295.976



51, 4.110, 241.261



49, 44.764, 268.083



15, 18.953, 260.817



# Previews

## White Background



This preview shows how the CIELCh color 72, 58.979, 54.924 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, 58.979, 54.924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

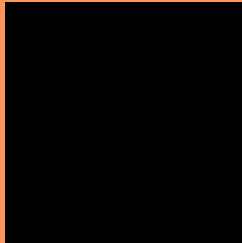
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 58.979, 54.924

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 58.979, 54.924.

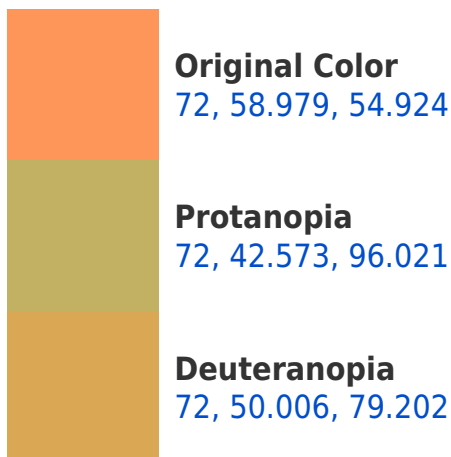


This preview shows how white text looks on a background with the CIELCh color 72, 58.979, 54.924.

# 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, 44.824, 17.299



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 58.979, 54.924 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(254, 150, 89)` looks like.

```
.text, #text, p{  
    color:rgb(254, 150, 89)  
}
```

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(254, 150, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 150, 89) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 58.979, 54.924 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(254, 150, 89) }
```

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

```
.border{ border-color:rgb(254, 150, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 150, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 150, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 150, 89);  
box-shadow:4px 4px 4px 4px rgb(254, 150,  
89) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 58.979, 54.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 150, 89) }
```

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

```
.background{ background-color: rgb(254,  
150, 89) }
```

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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