

# Converting Colors

CIELCh(72, 49.332, 42.455)

Have a look what the booklet for  
CIELCh(72, 49.332, 42.455) contains.

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# Color

**CIELCh(72, 49.000, 42.601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD9576
RGB	253, 149, 118
RGB Percent	99%, 58%, 46%
CMY	0.0081, 0.4158, 0.5374
CMYK	0.00, 0.41, 0.53, 0.01
HSL	14°, 97%, 73%
HSV	14°, 53%, 99%
XYZ	54.4955, 43.6590, 22.6802
YIQ	176.5620, 71.9350, 12.4070

# Conversions

## Conversions Part 2

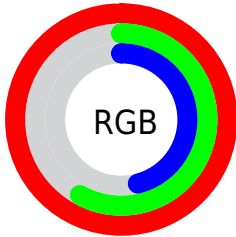
Format	Color
R <sub>Y</sub> B	253, 158, 118
Decimal	16618870
CIE Lab	72.00, 36.07, 33.17
CIE LCh	72, 49.000, 42.601
Yxy	43.6590, 0.4510, 0.3613
Android (android.graphics.Color)	4294808950 (0xFFFD9576)
YUV	176.5620, -28.8711, 67.0361
Hunter-Lab	66.0750, 31.5871, 25.9012

# Details

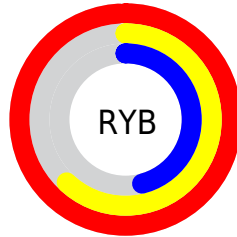
The CIELCh color **72, 49.000, 42.601** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 32.739, 228.031**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 26.966, 59.781**, and **52, 48.784, 42.904** is the 20% darker color. If you saturate the color by 10%, you get **68, 60.370, 43.082**, and if you desaturate by 10%, it is **77, 38.251, 42.328**.

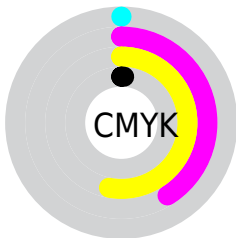
# Distribution



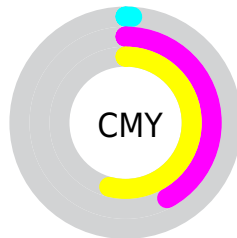
- Red (99%)
- Green (58%)
- Blue (46%)



- Red (99%)
- Yellow (62%)
- Blue (46%)



- Cyan (0%)
- Magenta (41%)
- Yellow (53%)
- Black (1%)



- Cyan (1%)
- Magenta (42%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 49.000, 42.601 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, 49.000, 42.601 by changing the saturation by 10% instead.



72, 49.000, 42.601

72, 49.000, 42.601

100, 49.000,  
42.601

62, 49.000, 42.601

92, 49.000, 42.601

52, 49.000, 42.601

42, 49.000, 42.601

32, 49.000, 42.601

22, 49.000, 42.601

12, 49.000, 42.601

2, 49.000, 42.601

0, 49.000, 42.601

72, 49.000, 42.601

72, 49.000, 42.601

68, 60.370, 43.082

77, 38.251, 42.328

64, 72.091, 43.715

82, 28.234, 42.241

60, 83.509, 44.311

87, 18.962, 42.309

57, 93.200, 44.366

92, 10.408, 42.488

56, 98.006, 43.974

97, 2.516, 42.600

100, 0.714,  
200.288

# Harmonies

# Complementary

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



72, 49.000, 42.601



84, 32.739, 228.031

# Rectangle

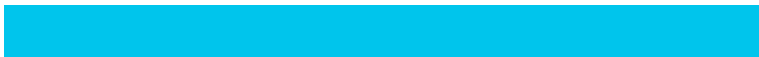
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 49.000, 42.601



72, 49.000, 92.601



72, 49.000, 222.601



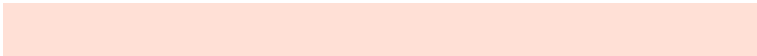
72, 49.000, 272.601

# Sweetspot

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



72, 48.998, 42.605



91, 12.677, 42.434



69, 70.630, 334.837



48, 8.632, 42.394



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, 48.998, 42.605



68, 61.514, 43.120



87, 52.221, 87.945



50, 4.386, 42.569



43, 78.957, 44.423



12, 29.544, 38.951





# Inverse Universe

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



84, 32.739, 228.031



81, 37.185, 230.254



66, 54.007, 284.813



52, 4.139, 223.474



57, 36.132, 242.089



18, 16.301, 236.120



# Previews

## White Background



This preview shows how the CIELCh color 72, 49.000, 42.601 looks on a white background.

## Color Contrast Check

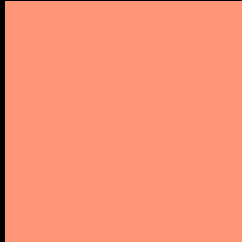
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 72, 49.000, 42.601 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, 49.000, 42.601

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 49.000, 42.601.

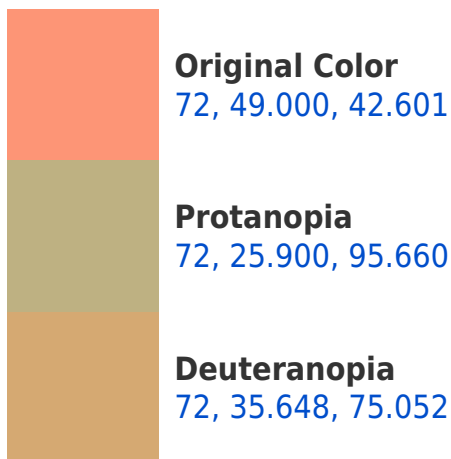


This preview shows how white text looks on a background with the CIELCh color 72, 49.000, 42.601.

# 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, 44.775, 16.618



# Trichromacy



**Original Color**  
72, 49.000, 42.601

**Protanomaly**  
72, 29.968, 67.368

**Deuteranomaly**  
72, 39.093, 60.686

**Tritanomaly**  
72, 44.867, 26.461

# Monochromacy



**Original Color**  
72, 49.000, 42.601

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
72, 16.414, 41.751

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 49.000, 42.601 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(253, 149, 118)` looks like.

```
.text, #text, p{  
    color:rgb(253, 149, 118)  
}
```

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(253, 149, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 149, 118) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 49.000, 42.601 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(253, 149, 118) }
```

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

```
.border{ border-color:rgb(253, 149, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 149, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 149, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 149, 118);  
box-shadow:4px 4px 4px 4px rgb(253, 149,  
118) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 49.000, 42.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 149, 118) }
```

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

```
.background{ background-color: rgb(253,  
149, 118) }
```

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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