

# Converting Colors

CIELCh(72, 48.968, 51.167)

Have a look what the booklet for  
CIELCh(72, 48.968, 51.167) contains.

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# Color

**CIELCh(72, 49.200, 51.128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7996C
RGB	247, 153, 108
RGB Percent	97%, 60%, 42%
CMY	0.0312, 0.3998, 0.5763
CMYK	0.00, 0.38, 0.56, 0.03
HSL	19°, 90%, 70%
HSV	19°, 56%, 97%
XYZ	52.4778, 43.6590, 19.8579
YIQ	175.9760, 70.4690, 5.9330

# Conversions

## Conversions Part 2

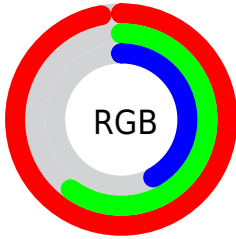
Format	Color
R <sub>YB</sub>	247, 175, 108
Decimal	16226668
CIE Lab	72.00, 30.88, 38.30
CIE LCh	72, 49.200, 51.128
Yxy	43.6590, 0.4524, 0.3764
Android (android.graphics.Color)	4294416748 (0xFFFF7996C)
YUV	175.9760, -33.5122, 62.2880
Hunter-Lab	66.0750, 26.1363, 28.4337

# Details

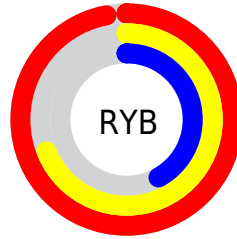
The CIELCh color **72, 49.200, 51.128** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **77, 34.273, 243.335**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 31.760, 71.264**, and **52, 49.423, 51.159** is the 20% darker color. If you saturate the color by 10%, you get **68, 59.905, 50.820**, and if you desaturate by 10%, it is **76, 38.997, 51.525**.

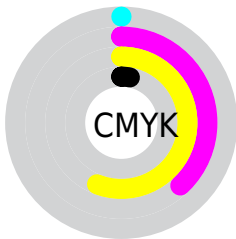
# Distribution



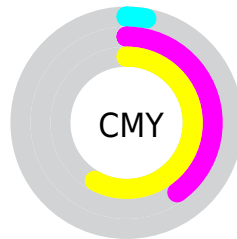
- Red (97%)
- Green (60%)
- Blue (42%)



- Red (97%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (38%)
- Yellow (56%)
- Black (3%)



- Cyan (3%)
- Magenta (40%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 49.200, 51.128 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, 49.200, 51.128 by changing the saturation by 10% instead.



72, 49.200, 51.128

72, 49.200, 51.128

100, 49.200,  
51.128

62, 49.200, 51.128

92, 49.200, 51.128

52, 49.200, 51.128

42, 49.200, 51.128

32, 49.200, 51.128

22, 49.200, 51.128

12, 49.200, 51.128

2, 49.200, 51.128

0, 49.200, 51.128

72, 49.200, 51.128

72, 49.200, 51.128

68, 59.905, 50.820

76, 38.997, 51.525

65, 70.776, 50.500

80, 29.428, 52.020

61, 81.032, 49.923

85, 20.516, 52.606

59, 89.190, 48.578

90, 12.237, 53.259

58, 91.733, 47.993

94, 4.544, 53.908

99, 2.321, 221.819

99, 2.756, 199.471

# Harmonies

# Complementary

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



72, 49.200, 51.128



77, 34.273, 243.335

# Rectangle

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



72, 49.200, 51.128



72, 49.200, 101.128



72, 49.200, 231.128



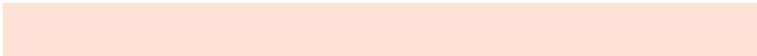
72, 49.200, 281.128

# Sweetspot

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



72, 49.198, 51.132



92, 13.157, 53.207



66, 67.887, 339.671



48, 8.867, 53.073



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, 49.198, 51.132



69, 63.420, 50.766



88, 58.152, 94.703



49, 4.138, 53.713



44, 73.696, 48.601



12, 25.790, 44.685





# Inverse Universe

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



77, 34.273, 243.335



76, 40.399, 247.027



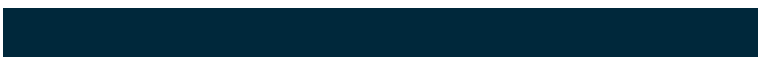
59, 64.173, 291.322



49, 3.942, 235.410



50, 40.228, 260.449



14, 16.706, 252.513



# Previews

## White Background



This preview shows how the CIELCh color 72, 49.200, 51.128 looks on a white background.

## Color Contrast Check

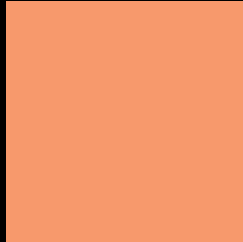
Large Text (above 18pt) WCAG AA × Fail

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, 49.200, 51.128 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

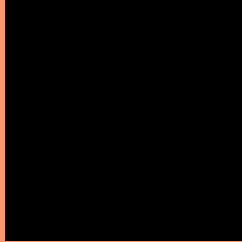
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 49.200, 51.128

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 49.200, 51.128.

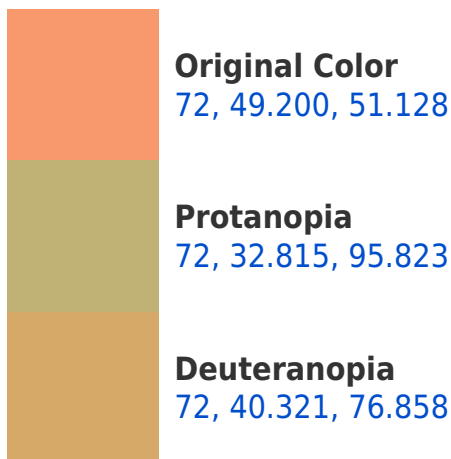


This preview shows how white text looks on a background with the CIELCh color 72, 49.200, 51.128.

# 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, 41.883, 16.435



# Trichromacy



**Original Color**  
72, 49.200, 51.128

**Protanomaly**  
72, 35.228, 74.654

**Deuteranomaly**  
72, 42.515, 65.838

**Tritanomaly**  
72, 42.744, 30.441

# Monochromacy



**Original Color**  
72, 49.200, 51.128

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
71, 16.642, 53.772

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 49.200, 51.128 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(247, 153, 108)` looks like.

```
.text, #text, p{  
    color:rgb(247, 153, 108)  
}
```

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(247, 153, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 153, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 49.200, 51.128 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(247, 153, 108) }
```

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

```
.border{ border-color:rgb(247, 153, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 153, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 153, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 153, 108);  
box-shadow:4px 4px 4px 4px rgb(247, 153,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 49.200, 51.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 153, 108) }
```

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

```
.background{ background-color: rgb(247,  
153, 108) }
```

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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