

# Converting Colors

CIELCh(83, 82.136, 34.042)

Have a look what the booklet for  
CIELCh(83, 82.136, 34.042) contains.

<b>CIELCh(72, 48.857, 36.134)</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, 48.857, 36.134)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF927E
RGB	255, 146, 126
RGB Percent	100%, 57%, 49%
CMY	0.0000, 0.4266, 0.5053
CMYK	0.00, 0.43, 0.51, 0.00
HSL	9°, 100%, 75%
HSV	9°, 51%, 100%
XYZ	55.8409, 43.6590, 25.2742
YIQ	176.3110, 71.3840, 16.8880

# Conversions

## Conversions Part 2

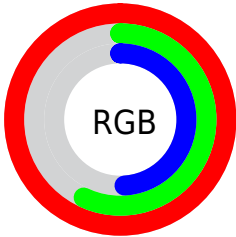
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 150, 126
Decimal	16749182
CIE <sub>Lab</sub>	72.00, 39.46, 28.81
CIE <sub>LCh</sub>	72, 48.857, 36.134
Yxy	43.6590, 0.4475, 0.3499
Android (android.graphics.Color)	4294939262 (0xFFFF927E)
<b>YUV</b>	176.3110, -24.8033, 69.0103
Hunter-Lab	66.0750, 35.2218, 23.5736

# Details

The CIELCh color **72, 48.857, 36.134** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **88, 32.471, 216.586**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 24.410, 48.618**, and **52, 48.249, 35.828** is the 20% darker color. If you saturate the color by 10%, you get **67, 59.980, 37.323**, and if you desaturate by 10%, it is **77, 37.207, 35.463**.

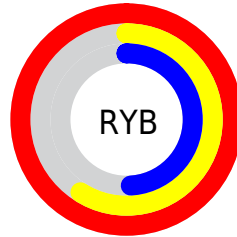
# Distribution



Red (100%)

Green (57%)

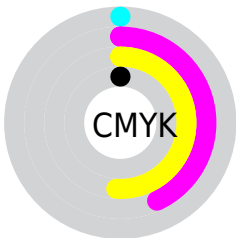
Blue (49%)



Red (100%)

Yellow (59%)

Blue (49%)

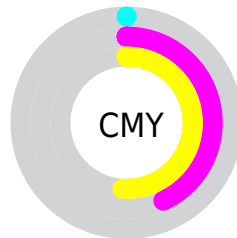


Cyan (0%)

Magenta (43%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 48.857, 36.134 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, 48.857, 36.134 by changing the saturation by 10% instead.



 72, 48.857, 36.134

 72, 48.857, 36.134

 100, 48.857,  
36.134

 62, 48.857, 36.134

 92, 48.857, 36.134

 52, 48.857, 36.134

 42, 48.857, 36.134

 32, 48.857, 36.134

 22, 48.857, 36.134

 12, 48.857, 36.134

 2, 48.857, 36.134

 0, 48.857, 36.134

 72, 48.857, 36.134

 72, 48.857, 36.134

67, 59.980, 37.323

77, 37.207, 35.463

63, 72.059, 38.699

82, 26.881, 34.938

59, 83.968, 40.241

88, 17.325, 34.615

57, 94.483, 41.506

94, 8.518, 34.428

55, 101.502,  
41.912

100, 0.409, 32.860

100, 0.012,  
296.813

# Harmonies

# Complementary

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



72, 48.857, 36.134



88, 32.471, 216.586

# Rectangle

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



72, 48.857, 36.134



72, 48.857, 86.134



72, 48.857, 216.134



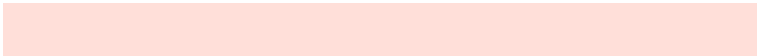
72, 48.857, 266.134

# Sweetspot

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



72, 48.278, 36.244



91, 12.367, 34.501



71, 70.902, 332.011



47, 8.513, 34.540



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, 48.278, 36.244



67, 60.545, 37.382



86, 47.538, 82.942



50, 4.581, 34.412



41, 81.357, 42.244



11, 30.625, 34.823





# Inverse Universe

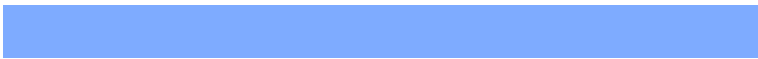
The Inverse Universe completely reimagines the original color for something new.



88, 32.471, 216.586



85, 36.759, 217.795



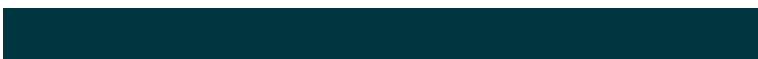
70, 46.788, 279.302



52, 4.307, 214.643



61, 35.079, 225.987



20, 16.202, 221.949



# Previews

## White Background



This preview shows how the CIELCh color 72, 48.857, 36.134 looks on a white background.

## Color Contrast Check

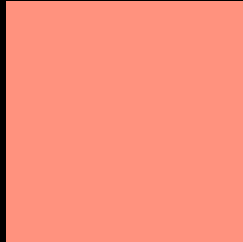
Large Text (above 18pt) WCAG AA × Fail

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, 48.857, 36.134 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, 48.857, 36.134

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 48.857, 36.134.



This preview shows how white text looks on a background with the CIELCh color 72, 48.857, 36.134.

# 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

72, 48.370, 36.192

### Protanopia

72, 20.599, 94.448

### Deuteranopia

72, 31.448, 72.968



**Tritanopia**  
72, 44.824, 17.299



# Trichromacy



**Original Color**  
72, 48.370, 36.192

**Protanomaly**  
71, 26.236, 59.959

**Deuteranomaly**  
72, 35.304, 55.208

**Tritanomaly**  
72, 45.346, 24.569

# Monochromacy



**Original Color**  
72, 48.370, 36.192

**Achromatopsia**  
72, 0.009, 296.813

**Achromatomaly**  
71, 16.435, 34.000

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 48.857, 36.134 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(255, 146, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 126)  
}
```

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(255, 146, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 126) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 48.857, 36.134 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(255, 146, 126) }
```

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

```
.border{ border-color:rgb(255, 146, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 146, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 146, 126); box-shadow:4px 4px 4px 4px rgb(255, 146, 126) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 48.857, 36.134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 126) }
```

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

```
.background{ background-color: rgb(255,  
146, 126) }
```

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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