

# Converting Colors

CIELCh(80, 42.546, 45.938)

Have a look what the booklet for  
CIELCh(80, 42.546, 45.938) contains.

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# Color

**CIELCh(79, 37.989, 48.674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB190
RGB	255, 177, 144
RGB Percent	100%, 69%, 56%
CMY	0.0000, 0.3058, 0.4354
CMYK	0.00, 0.31, 0.44, 0.00
HSL	18°, 100%, 78%
HSV	18°, 44%, 100%
XYZ	62.4027, 54.9284, 33.6840
YIQ	196.5600, 57.0810, 6.2730

# Conversions

## Conversions Part 2

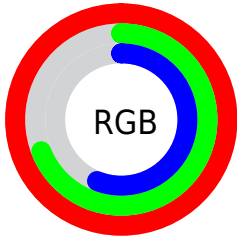
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 191, 144
Decimal	16757136
CIE Lab	79.00, 25.09, 28.53
CIE LCh	79, 37.989, 48.674
Yxy	54.9284, 0.4132, 0.3637
Android (android.graphics.Color)	4294947216 (0xFFFFB190)
YUV	196.5600, -25.9121, 51.2519
Hunter-Lab	74.1137, 20.5955, 24.9328

# Details

The CIELCh color **79, 37.989, 48.674** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **85, 28.284, 236.466**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 19.860, 83.756**, and **59, 37.752, 49.101** is the 20% darker color. If you saturate the color by 10%, you get **74, 48.010, 48.747**, and if you desaturate by 10%, it is **84, 27.818, 49.342**.

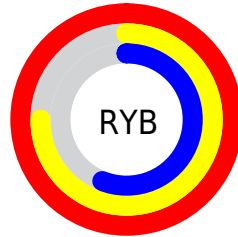
# Distribution



Red (100%)

Green (69%)

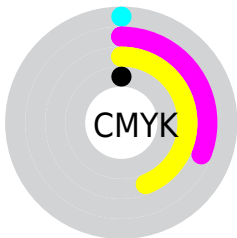
Blue (56%)



Red (100%)

Yellow (75%)

Blue (56%)

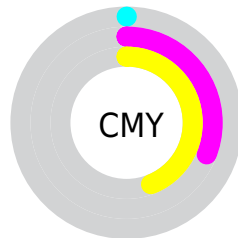


Cyan (0%)

Magenta (31%)

Yellow (44%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 37.989, 48.674 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 79, 37.989, 48.674 by changing the saturation by 10% instead.



79, 37.989, 48.674

79, 37.989, 48.674

100, 37.989,  
48.674

69, 37.989, 48.674

99, 37.989, 48.674

59, 37.989, 48.674

49, 37.989, 48.674

39, 37.989, 48.674

29, 37.989, 48.674

19, 37.989, 48.674

9, 37.989, 48.674

0, 37.989, 48.674

79, 37.989, 48.674

79, 37.989, 48.674

74, 48.010, 48.747

84, 27.818, 49.342

70, 59.048, 48.631

88, 18.769, 49.806

66, 70.409, 48.573

93, 10.385, 50.343

63, 81.439, 48.377

98, 2.614, 50.796

60, 90.768, 47.581

100, 0.012,  
296.813

58, 95.367, 46.667

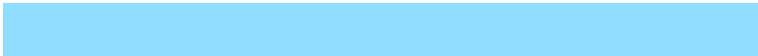
# Harmonies

# Complementary

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



79, 37.989, 48.674



85, 28.284, 236.466

# Rectangle

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



79, 37.989, 48.674



79, 37.989, 98.674



79, 37.989, 228.674



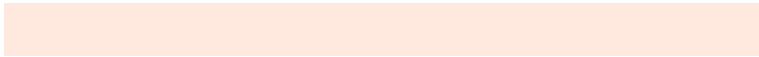
79, 37.989, 278.674

# Sweetspot

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



79, 37.568, 48.982



93, 9.948, 50.373



74, 56.644, 336.891



49, 7.020, 50.251



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 37.568, 48.982



75, 46.355, 48.775



92, 45.338, 94.079



51, 4.293, 50.564



44, 76.319, 47.232



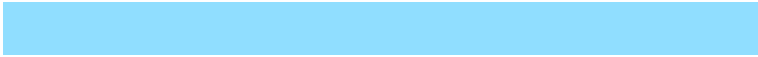
13, 28.588, 43.640



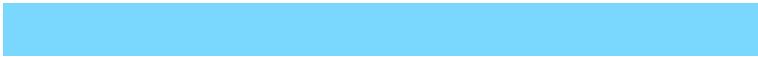


# Inverse Universe

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



85, 28.284, 236.466



82, 32.645, 238.261



70, 47.761, 286.473



51, 4.076, 232.061



53, 39.336, 255.801



17, 17.203, 248.797



# Previews

## White Background



This preview shows how the CIELCh color 79, 37.989, 48.674 looks on a white background.

## Color Contrast Check

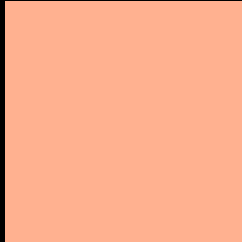
Large Text (above 18pt) WCAG AA × Fail

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 79, 37.989, 48.674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

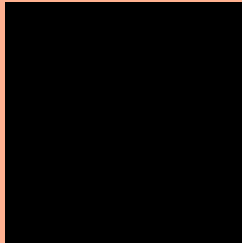
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 79, 37.989, 48.674**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 79, 37.989, 48.674.



This preview shows how white text looks on a background with the CIELCh color 79, 37.989, 48.674.

# 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

79, 37.558, 48.952

### Protanopia

79, 23.491, 94.225

### Deuteranopia

79, 30.662, 70.555



**Tritanopia**  
79, 32.188, 11.042



# Trichromacy



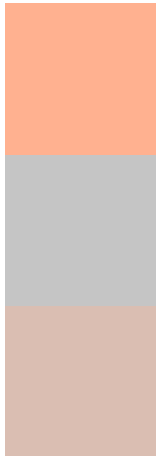
**Original Color**  
79, 37.558, 48.952

**Protanomaly**  
79, 26.141, 71.830

**Deuteranomaly**  
79, 32.311, 61.190

**Tritanomaly**  
79, 32.393, 25.849

# Monochromacy



**Original Color**  
79, 37.558, 48.952

**Achromatopsia**  
80, 0.010, 296.813

**Achromatomaly**  
79, 12.608, 50.365

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 37.989, 48.674 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, 177, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 177, 144)  
}
```

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, 177, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 177, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 37.989, 48.674 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, 177, 144) }
```

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

```
.border{ border-color:rgb(255, 177, 144) }
```

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

Here you see how a box with a 4 pixel rgb(255, 177, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 177, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 177, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 177,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 37.989, 48.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 177, 144) }
```

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

```
.background{ background-color: rgb(255,  
177, 144) }
```

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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