

# Converting Colors

CIELCh(73, 43.758, 28.011)

Have a look what the booklet for  
CIELCh(73, 43.758, 28.011) contains.

<b>CIELCh(73, 43.687, 27.667)</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(73, 43.687, 27.667)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF9690
RGB	255, 150, 144
RGB Percent	100%, 59%, 56%
CMY	0.0000, 0.4112, 0.4348
CMYK	0.00, 0.41, 0.43, 0.00
HSL	3°, 100%, 78%
HSV	3°, 43%, 100%
XYZ	57.2704, 45.1644, 32.1381
YIQ	180.7110, 64.5060, 20.3940

# Conversions

## Conversions Part 2

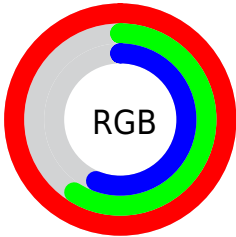
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 150, 144
Decimal	16750224
CIE Lab	73.00, 38.69, 20.29
CIE LCh	73, 43.687, 27.667
Yxy	45.1644, 0.4256, 0.3356
Android (android.graphics.Color)	4294940304 (0xFFFF9690)
YUV	180.7110, -18.0985, 65.1515
Hunter-Lab	67.2044, 34.5067, 18.6898

# Details

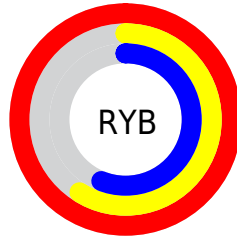
The CIELCh color **73, 43.687, 27.667** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **92, 31.472, 203.212**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 19.487, 31.484**, and **53, 43.688, 27.281** is the 20% darker color. If you saturate the color by 10%, you get **68, 55.479, 29.325**, and if you desaturate by 10%, it is **79, 32.348, 26.420**.

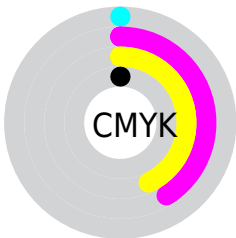
# Distribution



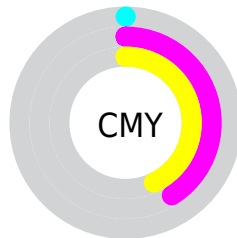
- Red (100%)
- Green (59%)
- Blue (56%)



- Red (100%)
- Yellow (59%)
- Blue (56%)



- Cyan (0%)
- Magenta (41%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (43%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 43.687, 27.667 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 73, 43.687, 27.667 by changing the saturation by 10% instead.



 73, 43.687, 27.667

 73, 43.687, 27.667

 100, 43.687,  
27.667

 63, 43.687, 27.667

 93, 43.687, 27.667

 53, 43.687, 27.667

 43, 43.687, 27.667

 33, 43.687, 27.667

 23, 43.687, 27.667

 13, 43.687, 27.667

 3, 43.687, 27.667

 0, 43.687, 27.667

 73, 43.687, 27.667

 73, 43.687, 27.667

68, 55.479, 29.325

79, 32.348, 26.420

63, 67.680, 31.457

85, 21.796, 25.481

59, 79.816, 34.074

91, 12.009, 24.771

56, 91.164, 36.954

98, 2.974, 24.099

54, 100.154,  
39.367

100, 0.012,  
296.813

54, 103.911,  
40.392

# Harmonies

# Complementary

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



73, 43.687, 27.667



92, 31.472, 203.212

# Rectangle

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



*73, 43.687, 27.667*



*73, 43.687, 77.667*



*73, 43.687, 207.667*



*73, 43.687, 257.667*

# Sweetspot

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



73, 43.620, 27.671



92, 11.562, 24.741



75, 66.189, 328.235



47, 8.164, 24.882



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



73, 43.620, 27.671



68, 53.699, 29.052



86, 38.316, 74.871



50, 4.984, 24.528



40, 83.488, 40.546



10, 32.292, 29.826





# Inverse Universe

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



92, 31.472, 203.212



91, 35.905, 203.244



77, 35.142, 268.578



52, 4.686, 203.922



67, 37.575, 205.464

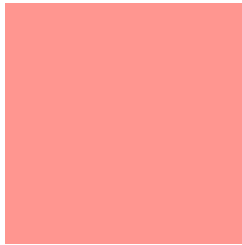


22, 17.420, 204.295



# Previews

## White Background



This preview shows how the CIELCh color 73, 43.687, 27.667 looks on a white background.

## Color Contrast Check

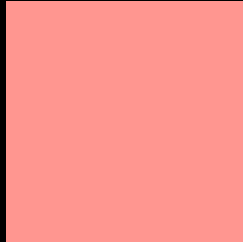
Large Text (above 18pt) WCAG AA × Fail

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 73, 43.687, 27.667 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 73, 43.687, 27.667**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 73, 43.687, 27.667.



This preview shows how white text looks on a background with the CIELCh color 73, 43.687, 27.667.

# 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

73, 43.687, 27.667

### Protanopia

73, 11.875, 91.732

### Deuteranopia

73, 23.592, 66.763



**Tritanopia**  
73, 42.586, 16.604



# Trichromacy



**Original Color**  
73, 43.687, 27.667



**Protanomaly**  
73, 19.561, 46.709



**Deuteranomaly**  
73, 28.697, 45.501



**Tritanomaly**  
73, 42.881, 20.155

# Monochromacy



**Original Color**  
73, 43.687, 27.667



**Achromatopsia**  
74, 0.009, 296.813



**Achromatomaly**  
73, 14.917, 24.783

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 73, 43.687, 27.667 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, 150, 144)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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, 150, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 144) }
```

## Border

The CSS property to change the border of an element to CIELCh 73, 43.687, 27.667 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, 150, 144) }
```

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

```
.border{ border-color:rgb(255, 150, 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, 150, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 144);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
144) }
```

# Background

The CSS property to change the background color of an element to CIELCh 73, 43.687, 27.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 144) }
```

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

```
.background{ background-color: rgb(255,  
150, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor