

# Converting Colors

CIELCh(69, 47.546, 39.726)

Have a look what the booklet for  
CIELCh(69, 47.546, 39.726) contains.

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# Color

**CIELCh(69, 47.777, 40.173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F48D73
RGB	244, 141, 115
RGB Percent	96%, 55%, 45%
CMY	0.0447, 0.4484, 0.5503
CMYK	0.00, 0.42, 0.53, 0.04
HSL	12°, 85%, 70%
HSV	12°, 53%, 96%
XYZ	49.7249, 39.3444, 21.0969
YIQ	168.8330, 69.7340, 13.7500

# Conversions

## Conversions Part 2

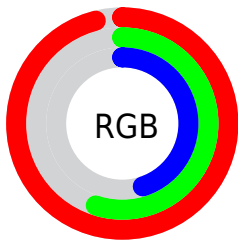
Format	Color
R <sub>Y</sub> B	244, 148, 115
Decimal	16026995
CIE Lab	69.00, 36.51, 30.82
CIE LCh	69, 47.777, 40.173
Yxy	39.3444, 0.4514, 0.3571
Android (android.graphics.Color)	4294217075 (0xFFFF48D73)
YUV	168.8330, -26.5397, 65.9215
Hunter-Lab	62.7251, 31.7358, 23.9661

# Details

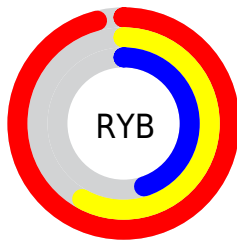
The CIELCh color **69, 47.777, 40.173** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 31.742, 223.624**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 28.512, 52.737**, and **49, 48.013, 40.413** is the 20% darker color. If you saturate the color by 10%, you get **65, 58.932, 40.898**, and if you desaturate by 10%, it is **74, 37.224, 39.693**.

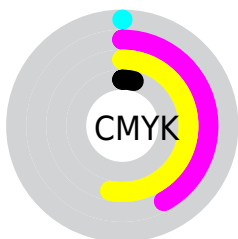
# Distribution



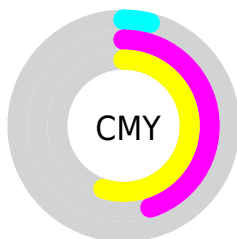
- Red (96%)
- Green (55%)
- Blue (45%)



- Red (96%)
- Yellow (58%)
- Blue (45%)



- Cyan (0%)
- Magenta (42%)
- Yellow (53%)
- Black (4%)



- Cyan (4%)
- Magenta (45%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.777, 40.173 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 69, 47.777, 40.173 by changing the saturation by 10% instead.



69, 47.777, 40.173

69, 47.777, 40.173

100, 47.777,  
40.173

59, 47.777, 40.173

89, 47.777, 40.173

49, 47.777, 40.173

99, 47.777, 40.173

39, 47.777, 40.173

29, 47.777, 40.173

19, 47.777, 40.173

9, 47.777, 40.173

0, 47.777, 40.173

69, 47.777, 40.173

69, 47.777, 40.173

65, 58.932, 40.898

74, 37.224, 39.693

61, 70.431, 41.824

79, 27.386, 39.424

57, 81.663, 42.775

84, 18.281, 39.330

55, 91.281, 43.252

89, 9.884, 39.362

53, 96.345, 43.136

94, 2.145, 39.303

99, 3.932, 199.324

# Harmonies

# Complementary

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



69, 47.777, 40.173



82, 31.742, 223.624

# Rectangle

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



69, 47.777, 40.173



69, 47.777, 90.173



69, 47.777, 220.173



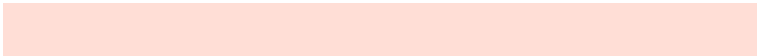
69, 47.777, 270.173

# Sweetspot

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



69, 47.775, 40.177



91, 12.864, 39.343



67, 68.804, 334.108



47, 8.760, 39.334



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



69, 47.775, 40.177



67, 62.462, 41.003



84, 49.647, 86.719



48, 4.302, 39.386



41, 78.299, 43.537



10, 27.452, 35.928





# Inverse Universe

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



82, 31.742, 223.624



83, 37.234, 225.605



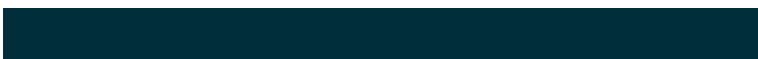
64, 50.734, 283.554



50, 4.054, 220.031



57, 34.712, 235.930



17, 15.295, 230.102



# Previews

## White Background



This preview shows how the CIELCh color 69, 47.777, 40.173 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 69, 47.777, 40.173 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 69, 47.777, 40.173

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.777, 40.173.



This preview shows how white text looks on a background with the CIELCh color 69, 47.777, 40.173.

# 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

69, 47.777, 40.173

### Protanopia

69, 23.389, 95.521

### Deuteranopia

69, 33.165, 74.068



**Tritanopia**  
69, 44.831, 17.455



# Trichromacy



**Original Color**  
69, 47.777, 40.173

**Protanomaly**  
69, 27.852, 64.703

**Deuteranomaly**  
69, 36.872, 58.772

**Tritanomaly**  
69, 44.785, 26.002

# Monochromacy



**Original Color**  
69, 47.777, 40.173

**Achromatopsia**  
69, 0.009, 296.813

**Achromatomaly**  
68, 15.779, 38.717

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 47.777, 40.173 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(244, 141, 115)` looks like.

```
.text, #text, p{  
    color:rgb(244, 141, 115)  
}
```

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(244, 141, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 141, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 47.777, 40.173 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(244, 141, 115) }
```

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

```
.border{ border-color:rgb(244, 141, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 141, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 141, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 141, 115);  
box-shadow:4px 4px 4px 4px rgb(244, 141,  
115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 47.777, 40.173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 141, 115) }
```

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

```
.background{ background-color: rgb(244,  
141, 115) }
```

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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