

# Converting Colors

CIELCh(75, 46.579, 48.998)

Have a look what the booklet for  
CIELCh(75, 46.579, 48.998) contains.

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# Color

**CIELCh(75, 46.469, 49.071)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA27A
RGB	255, 162, 122
RGB Percent	100%, 64%, 48%
CMY	0.0017, 0.3662, 0.5230
CMYK	0.00, 0.37, 0.52, 0.00
HSL	18°, 99%, 74%
HSV	18°, 52%, 100%
XYZ	57.4218, 48.2781, 24.5859
YIQ	185.2470, 68.2680, 7.2760

# Conversions

## Conversions Part 2

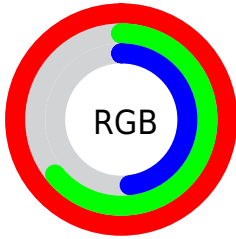
Format	Color
R <sub>Y</sub> B	255, 179, 122
Decimal	16753274
CIE Lab	75.00, 30.44, 35.11
CIE LCh	75, 46.469, 49.071
Yxy	48.2781, 0.4407, 0.3706
Android (android.graphics.Color)	4294943354 (0xFFFFA27A)
YUV	185.2470, -31.1808, 61.1734
Hunter-Lab	69.4824, 25.9220, 27.6584

# Details

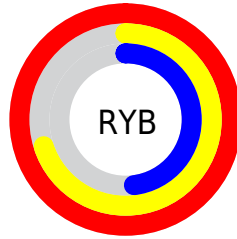
The CIELCh color **75, 46.469, 49.071** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 32.747, 238.802**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 26.644, 74.035**, and **55, 46.849, 48.921** is the 20% darker color. If you saturate the color by 10%, you get **71, 57.401, 48.919**, and if you desaturate by 10%, it is **79, 36.146, 49.350**.

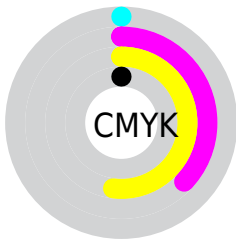
# Distribution



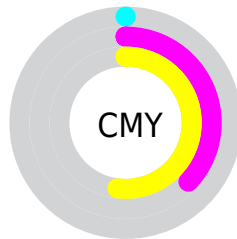
- Red (100%)
- Green (64%)
- Blue (48%)



- Red (100%)
- Yellow (70%)
- Blue (48%)



- Cyan (0%)
- Magenta (37%)
- Yellow (52%)
- Black (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (52%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 46.469, 49.071 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 75, 46.469, 49.071 by changing the saturation by 10% instead.



 75, 46.469, 49.071

 75, 46.469, 49.071

 100, 46.469,  
49.071

 65, 46.469, 49.071

 95, 46.469, 49.071

 55, 46.469, 49.071

 45, 46.469, 49.071

 35, 46.469, 49.071

 25, 46.469, 49.071

 15, 46.469, 49.071

 5, 46.469, 49.071

 0, 46.469, 49.071

 75, 46.469, 49.071

 75, 46.469, 49.071

71, 57.401, 48.919

79, 36.146, 49.350

67, 68.707, 48.830

84, 26.518, 49.745

63, 79.800, 48.637

89, 17.582, 50.239

60, 89.426, 47.923

94, 9.303, 50.797

58, 95.076, 46.819

99, 1.623, 51.138

100, 0.152,  
203.766

# Harmonies

# Complementary

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



75, 46.469, 49.071



82, 32.747, 238.802

# Rectangle

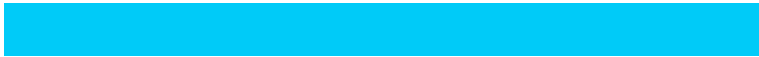
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 46.469, 49.071



75, 46.469, 99.071



75, 46.469, 229.071



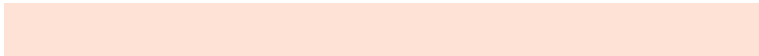
75, 46.469, 279.071

# Sweetspot

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



75, 46.467, 49.075



92, 12.378, 50.582



69, 65.962, 338.454



48, 8.423, 50.466



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



75, 46.467, 49.075



71, 58.360, 48.911



91, 54.795, 94.094



51, 4.290, 50.948



44, 76.188, 47.385



13, 28.546, 43.882





# Inverse Universe

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



82, 32.747, 238.802



79, 37.680, 241.696



64, 59.293, 289.447



51, 4.075, 232.472



53, 39.537, 256.402



17, 17.264, 249.369



# Previews

## White Background



This preview shows how the CIELCh color 75, 46.469, 49.071 looks on a white background.

## Color Contrast Check

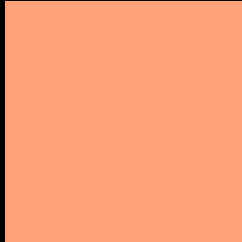
Large Text (above 18pt) WCAG AA × Fail

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 75, 46.469, 49.071 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 75, 46.469, 49.071

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 46.469, 49.071.

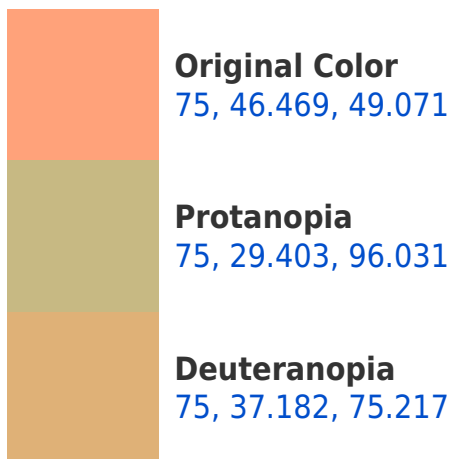


This preview shows how white text looks on a background with the CIELCh color 75, 46.469, 49.071.

# 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**  
75, 39.026, 14.676



# Trichromacy



**Original Color**  
75, 46.469, 49.071

**Protanomaly**  
75, 31.888, 72.978

**Deuteranomaly**  
75, 39.241, 63.972

**Tritanomaly**  
75, 39.774, 29.005

# Monochromacy



**Original Color**  
75, 46.469, 49.071

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
74, 15.531, 49.183

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 46.469, 49.071 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, 162, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 122)  
}
```

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, 162, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 46.469, 49.071 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, 162, 122) }
```

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

```
.border{ border-color:rgb(255, 162, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 162, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 46.469, 49.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 122) }
```

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

```
.background{ background-color: rgb(255,  
162, 122) }
```

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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