

# Converting Colors

CIELCh(83, 72.226, 38.165)

Have a look what the booklet for  
CIELCh(83, 72.226, 38.165) contains.

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# **Color**

**CIELCh(75, 45.647, 44.876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA07F
RGB	255, 160, 127
RGB Percent	100%, 63%, 50%
CMY	0.0000, 0.3717, 0.5013
CMYK	0.00, 0.37, 0.50, 0.00
HSL	16°, 100%, 75%
HSV	16°, 50%, 100%
XYZ	58.2013, 48.2781, 26.3850
YIQ	184.6430, 67.2130, 9.8770

# Conversions

## Conversions Part 2

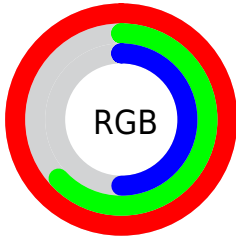
Format	Color
R <sub>Y</sub> B	255, 171, 127
Decimal	16752767
CIE Lab	75.00, 32.35, 32.21
CIE LCh	75, 45.647, 44.876
Yxy	48.2781, 0.4381, 0.3634
Android (android.graphics.Color)	4294942847 (0xFFFFA07F)
YUV	184.6430, -28.4180, 61.7031
Hunter-Lab	69.4824, 27.9246, 26.1232

# Details

The CIELCh color **75, 45.647, 44.876** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **84, 31.461, 231.891**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 24.208, 68.201**, and **55, 45.477, 44.913** is the 20% darker color. If you saturate the color by 10%, you get **70, 56.184, 45.299**, and if you desaturate by 10%, it is **80, 34.674, 45.134**.

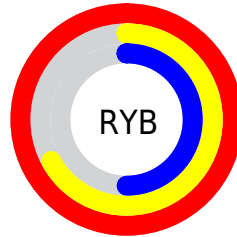
# Distribution



Red (100%)

Green (63%)

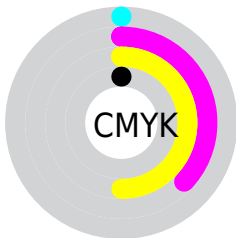
Blue (50%)



Red (100%)

Yellow (67%)

Blue (50%)

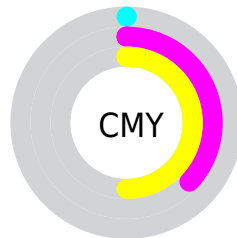


Cyan (0%)

Magenta (37%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (50%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.647, 44.876 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, 45.647, 44.876 by changing the saturation by 10% instead.



 75, 45.647, 44.876

 75, 45.647, 44.876

 100, 45.647,  
44.876

 65, 45.647, 44.876

 95, 45.647, 44.876

 55, 45.647, 44.876

 45, 45.647, 44.876

 35, 45.647, 44.876

 25, 45.647, 44.876

 15, 45.647, 44.876

 5, 45.647, 44.876

 0, 45.647, 44.876

 75, 45.647, 44.876

 75, 45.647, 44.876

70, 56.184, 45.299

80, 34.674, 45.134

66, 67.743, 45.605

84, 24.986, 45.289

63, 79.276, 45.916

89, 16.024, 45.565

60, 89.668, 45.860

95, 7.746, 45.916

57, 97.288, 45.016

100, 0.094, 39.754

100, 0.012,  
296.813

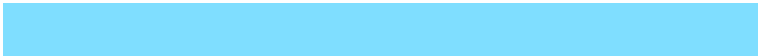
# Harmonies

# Complementary

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



75, 45.647, 44.876



84, 31.461, 231.891

# Rectangle

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



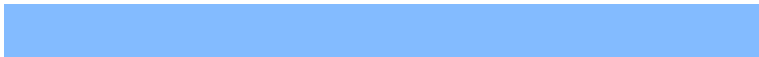
75, 45.647, 44.876



75, 45.647, 94.876



75, 45.647, 224.876



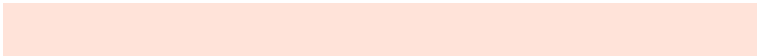
75, 45.647, 274.876

# Sweetspot

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



75, 45.094, 45.133



92, 11.694, 45.741



71, 65.855, 335.996



48, 8.046, 45.667



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, 45.094, 45.133



70, 56.034, 45.296



90, 50.684, 90.884



50, 4.336, 45.937



43, 77.868, 45.522



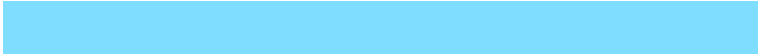
12, 29.125, 40.847





# Inverse Universe

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



84, 31.461, 231.891



81, 35.823, 234.045



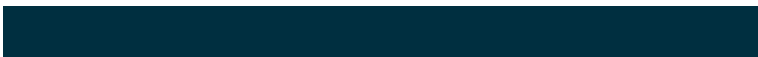
67, 53.187, 286.074



51, 4.101, 227.102



55, 37.248, 248.150



18, 16.592, 241.638



# Previews

## White Background



This preview shows how the CIELCh color 75, 45.647, 44.876 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, 45.647, 44.876 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, 45.647, 44.876

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.647, 44.876.

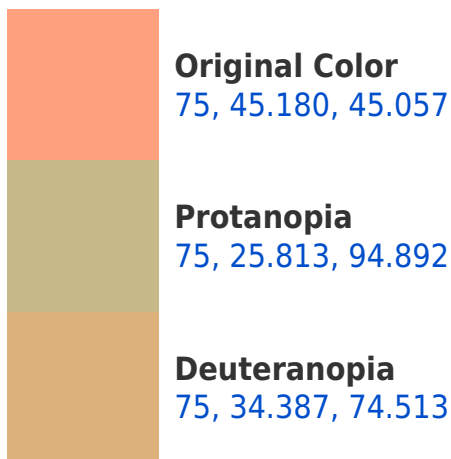


This preview shows how white text looks on a background with the CIELCh color 75, 45.647, 44.876.

# 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, 39.045, 15.454



# Trichromacy



**Original Color**  
75, 45.180, 45.057

**Protanomaly**  
74, 29.516, 69.320

**Deuteranomaly**  
75, 36.876, 62.025

**Tritanomaly**  
75, 39.798, 26.812

# Monochromacy



**Original Color**  
75, 45.180, 45.057

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
74, 14.974, 45.764

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 45.647, 44.876 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, 160, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 127)  
}
```

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, 160, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 127) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 45.647, 44.876 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, 160, 127) }
```

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

```
.border{ border-color:rgb(255, 160, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 160, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 160, 127); box-shadow:4px 4px 4px 4px rgb(255, 160, 127) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 45.647, 44.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 127) }
```

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

```
.background{ background-color: rgb(255,  
160, 127) }
```

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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