

# Converting Colors

CIELCh(77, 43.147, 68.910)

Have a look what the booklet for  
CIELCh(77, 43.147, 68.910) contains.

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# Color

**CIELCh(77, 43.225, 68.891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B274
RGB	240, 178, 116
RGB Percent	94%, 70%, 45%
CMY	0.0595, 0.3025, 0.5457
CMYK	0.00, 0.26, 0.52, 0.06
HSL	30°, 80%, 70%
HSV	30°, 52%, 94%
XYZ	54.9101, 51.5317, 23.5307
YIQ	189.4700, 56.8540, -6.1380

# Conversions

## Conversions Part 2

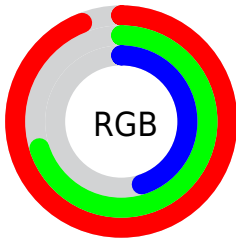
Format	Color
R <sub>Y</sub> B	240, 240, 116
Decimal	15774324
CIE Lab	77.00, 15.57, 40.32
CIE LCh	77, 43.225, 68.891
Yxy	51.5317, 0.4225, 0.3965
Android (android.graphics.Color)	4293964404 (0xFFFF0B274)
YUV	189.4700, -36.2207, 44.3148
Hunter-Lab	71.7856, 10.9130, 30.8152

# Details

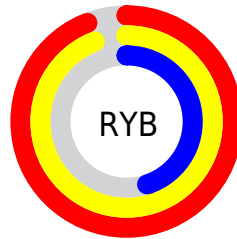
The CIELCh color **77, 43.225, 68.891** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **71, 37.147, 265.522**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 34.264, 93.459**, and **57, 43.222, 68.705** is the 20% darker color. If you saturate the color by 10%, you get **74, 52.587, 67.570**, and if you desaturate by 10%, it is **80, 34.090, 70.184**.

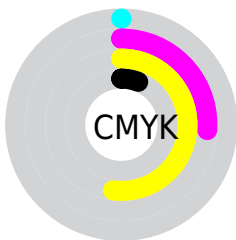
# Distribution



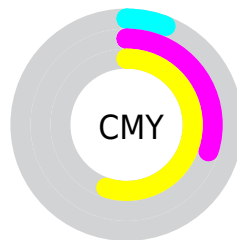
- Red (94%)
- Green (70%)
- Blue (45%)



- Red (94%)
- Yellow (94%)
- Blue (45%)



- Cyan (0%)
- Magenta (26%)
- Yellow (52%)
- Black (6%)



- Cyan (6%)
- Magenta (30%)
- Yellow (55%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 43.225, 68.891 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 77, 43.225, 68.891 by changing the saturation by 10% instead.



 77, 43.225, 68.891

 77, 43.225, 68.891

 100, 43.225,  
68.891

 67, 43.225, 68.891

 97, 43.225, 68.891

 57, 43.225, 68.891

 47, 43.225, 68.891

 37, 43.225, 68.891

 27, 43.225, 68.891

 17, 43.225, 68.891

 7, 43.225, 68.891

 0, 43.225, 68.891

 77, 43.225, 68.891

 77, 43.225, 68.891

74, 52.587, 67.570

80, 34.090, 70.184

71, 61.892, 66.144

84, 25.306, 71.457

68, 70.551, 64.473

87, 16.911, 72.716

65, 77.551, 62.270

91, 8.901, 73.946

63, 81.652, 59.926

94, 1.253, 74.888

98, 4.304, 237.633

99, 5.221, 199.201

# Harmonies

# Complementary

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



77, 43.225, 68.891



71, 37.147, 265.522

# Rectangle

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



77, 43.225, 68.891



77, 43.225, 118.891



77, 43.225, 248.891



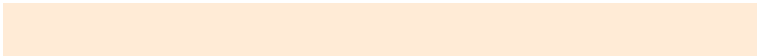
77, 43.225, 298.891

# Sweetspot

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



77, 43.225, 68.896



94, 12.935, 73.416



65, 55.396, 349.340



49, 8.776, 73.161



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



77, 43.225, 68.896



78, 55.591, 67.500



93, 61.246, 105.268



48, 4.301, 74.210



49, 66.595, 60.617



14, 23.415, 61.220



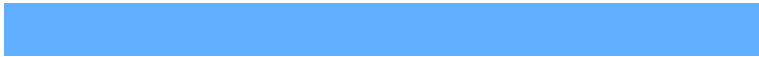


# Inverse Universe

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



71, 37.147, 265.522



70, 46.392, 268.895



54, 70.939, 297.908



48, 4.206, 256.729



40, 56.413, 284.056



10, 21.381, 276.345



# Previews

## White Background



This preview shows how the CIELCh color 77, 43.225, 68.891 looks on a white background.

## Color Contrast Check

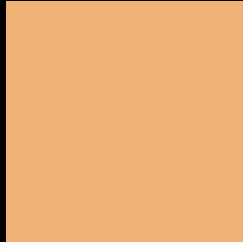
Large Text (above 18pt) WCAG AA × Fail

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 77, 43.225, 68.891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

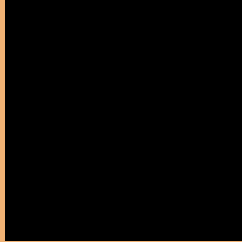
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 77, 43.225, 68.891

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.225, 68.891.



This preview shows how white text looks on a background with the CIELCh color 77, 43.225, 68.891.

# 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**

77, 43.225, 68.891

**Protanopia**

77, 37.159, 95.645

**Deuteranopia**

77, 41.824, 76.570



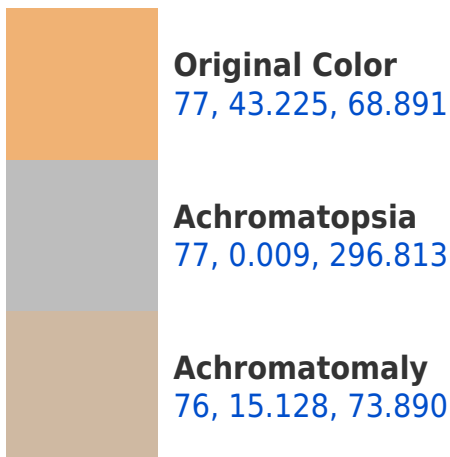
**Tritanopia**  
77, 29.592, 9.754



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 43.225, 68.891 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(240, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(240, 178, 116)  
}
```

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(240, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 178, 116) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 43.225, 68.891 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(240, 178, 116) }
```

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

```
.border{ border-color:rgb(240, 178, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 178, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(240, 178,  
116) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 43.225, 68.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 178, 116) }
```

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

```
.background{ background-color: rgb(240,  
178, 116) }
```

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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