

# Converting Colors

CIELCh(77, 48.562, 66.691)

Have a look what the booklet for  
CIELCh(77, 48.562, 66.691) contains.

<b>CIELCh(77, 48.502, 66.519)</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(77, 48.502, 66.519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7AF6C
RGB	247, 175, 108
RGB Percent	97%, 69%, 42%
CMY	0.0313, 0.3136, 0.5764
CMYK	0.00, 0.29, 0.56, 0.03
HSL	29°, 90%, 70%
HSV	29°, 56%, 97%
XYZ	56.4102, 51.5317, 21.1671
YIQ	188.8900, 64.4190, -5.5730

# Conversions

## Conversions Part 2

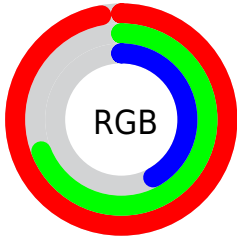
Format	Color
R <sub>Y</sub> B	247, 237, 108
Decimal	16232300
CIE Lab	77.00, 19.33, 44.49
CIE LCh	77, 48.502, 66.519
Yxy	51.5317, 0.4369, 0.3991
Android (android.graphics.Color)	4294422380 (0xFFF7AF6C)
YUV	188.8900, -39.8788, 50.9625
Hunter-Lab	71.7856, 14.6431, 32.7674

# Details

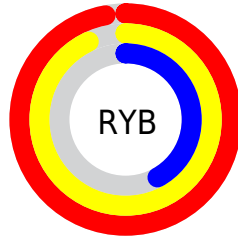
The CIELCh color **77, 48.502, 66.519** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **71, 40.268, 264.899**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 37.112, 92.266**, and **57, 48.463, 66.331** is the 20% darker color. If you saturate the color by 10%, you get **74, 58.211, 65.226**, and if you desaturate by 10%, it is **80, 38.967, 67.770**.

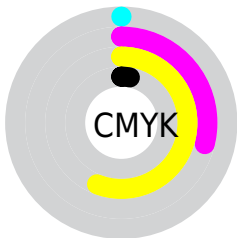
# Distribution



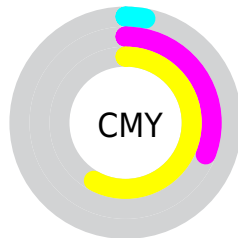
- Red (97%)
- Green (69%)
- Blue (42%)



- Red (97%)
- Yellow (93%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (56%)
- Black (3%)



- Cyan (3%)
- Magenta (31%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 48.502, 66.519 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, 48.502, 66.519 by changing the saturation by 10% instead.



77, 48.502, 66.519

77, 48.502, 66.519

100, 48.502,  
66.519

67, 48.502, 66.519

97, 48.502, 66.519

57, 48.502, 66.519

47, 48.502, 66.519

37, 48.502, 66.519

27, 48.502, 66.519

17, 48.502, 66.519

7, 48.502, 66.519

0, 48.502, 66.519

77, 48.502, 66.519

77, 48.502, 66.519

74, 58.211, 65.226

80, 38.967, 67.770

71, 67.689, 63.782

84, 29.787, 69.004

68, 76.136, 61.977

87, 21.028, 70.232

65, 82.337, 59.443

91, 12.696, 71.447

64, 84.212, 58.397

95, 4.770, 72.605

99, 2.309, 244.630

99, 2.761, 199.470

# Harmonies

# Complementary

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



77, 48.502, 66.519



71, 40.268, 264.899

# Rectangle

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



77, 48.502, 66.519



77, 48.502, 116.519



77, 48.502, 246.519



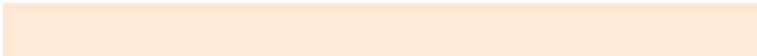
77, 48.502, 296.519

# Sweetspot

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



77, 48.501, 66.523



93, 13.638, 71.356



65, 62.186, 348.017



49, 9.169, 71.113



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, 48.501, 66.523



75, 61.455, 64.975



94, 65.766, 103.286



49, 4.327, 72.249



49, 67.816, 59.116



14, 24.647, 59.601





# Inverse Universe

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



71, 40.268, 264.899



68, 49.257, 269.046



54, 76.939, 297.751



49, 4.220, 254.736



41, 55.014, 282.276



11, 21.473, 274.833



# Previews

## White Background



This preview shows how the CIELCh color 77, 48.502, 66.519 looks on a white background.

## Color Contrast Check

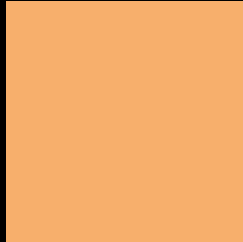
Large Text (above 18pt) WCAG AA × Fail

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, 48.502, 66.519 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, 48.502, 66.519

## Background



This preview shows how black text looks on a background with the CIELCh color 77, 48.502, 66.519.



This preview shows how white text looks on a background with the CIELCh color 77, 48.502, 66.519.

# 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**  
77, 34.390, 11.155



# Trichromacy



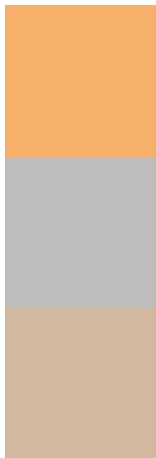
**Original Color**  
77, 48.502, 66.519

**Protanomaly**  
77, 42.008, 84.287

**Deuteranomaly**  
77, 46.464, 73.665

**Tritanomaly**  
77, 34.988, 36.038

# Monochromacy



**Original Color**  
77, 48.502, 66.519

**Achromatopsia**  
77, 0.009, 296.813

**Achromatomaly**  
76, 16.575, 70.340

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 48.502, 66.519 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(247, 175, 108)` looks like.

```
.text, #text, p{  
    color:rgb(247, 175, 108)  
}
```

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(247, 175, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 175, 108) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 48.502, 66.519 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(247, 175, 108) }
```

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

```
.border{ border-color:rgb(247, 175, 108) }
```

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

Here you see how a box with a 4 pixel rgb(247, 175, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 175, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 175, 108);  
box-shadow:4px 4px 4px 4px rgb(247, 175,  
108) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 48.502, 66.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 175, 108) }
```

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

```
.background{ background-color: rgb(247,  
175, 108) }
```

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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