

Converting Colors

CIELCh(77, 47.353, 57.042)

Have a look what the booklet for
CIELCh(77, 47.353, 57.042) contains.

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Color

CIELCh(77, 47.178, 56.647)

Conversions

Conversions Part 1

Format	Color
Hex	FFAA76
RGB	255, 170, 118
RGB Percent	100%, 67%, 46%
CMY	0.0000, 0.3319, 0.5359
CMYK	0.00, 0.33, 0.54, 0.00
HSL	23°, 100%, 73%
HSV	23°, 54%, 100%
XYZ	59.1157, 51.5317, 24.0740
YIQ	189.4870, 67.3520, 1.8480

Conversions

Conversions Part 2

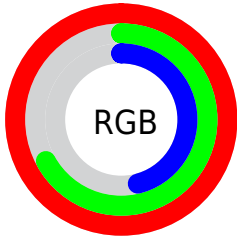
Format	Color
RYB	255, 202, 118
Decimal	16755318
CIELab	77.00, 25.94, 39.41
CIELCh	77, 47.178, 56.647
Yxy	51.5317, 0.4388, 0.3825
Android (android.graphics.Color)	4294945398 (0xFFFFAA76)
YUV	189.4870, -35.2431, 57.4549
Hunter-Lab	71.7856, 21.3705, 30.3664

Details

The CIELCh color **77, 47.178, 56.647** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 35.289, 250.992**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 30.655, 85.834**, and **57, 47.416, 56.458** is the 20% darker color. If you saturate the color by 10%, you get **73, 57.549, 56.020**, and if you desaturate by 10%, it is **81, 37.000, 57.547**.

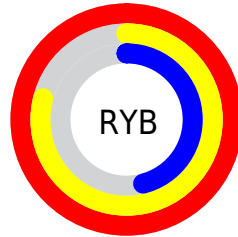
Distribution



Red (100%)

Green (67%)

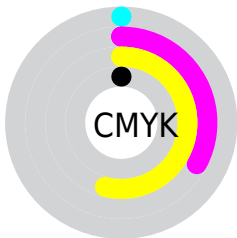
Blue (46%)



Red (100%)

Yellow (79%)

Blue (46%)

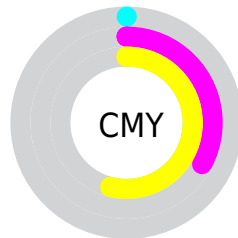


Cyan (0%)

Magenta (33%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (33%)


Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 47.178, 56.647 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, 47.178, 56.647 by changing the saturation by 10% instead.

 77, 47.178, 56.647

 77, 47.178, 56.647

 100, 47.178,
56.647

 67, 47.178, 56.647

 97, 47.178, 56.647

 57, 47.178, 56.647

 47, 47.178, 56.647

 37, 47.178, 56.647


 27, 47.178, 56.647

 17, 47.178, 56.647

 7, 47.178, 56.647

 0, 47.178, 56.647

 77, 47.178, 56.647

 77, 47.178, 56.647

73, 57.549, 56.020

81, 37.000, 57.547

70, 68.248, 55.238

85, 27.548, 58.384

66, 78.469, 54.225

89, 18.695, 59.270

63, 86.934, 52.576

94, 10.415, 60.182

62, 91.067, 51.135

98, 2.662, 60.989

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.



77, 47.178, 56.647



78, 35.289, 250.992

Rectangle

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



77, 47.178, 56.647



77, 47.178, 106.647



77, 47.178, 236.647



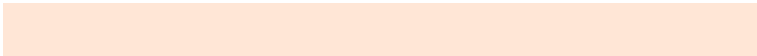
77, 47.178, 286.647

Sweetspot

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



77, 47.036, 56.765



93, 12.356, 59.962



69, 64.780, 341.944



49, 8.400, 59.774



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, 47.036, 56.765



73, 57.982, 55.990



93, 59.402, 98.126



51, 4.297, 60.549



47, 72.914, 51.798



14, 27.633, 50.463

Inverse Universe

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



78, 35.289, 250.992



75, 40.833, 254.319



61, 66.494, 293.083



51, 4.124, 242.635



48, 45.739, 269.721



15, 19.281, 262.473

Previews

White Background



This preview shows how the CIELCh color 77, 47.178, 56.647 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, 47.178, 56.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

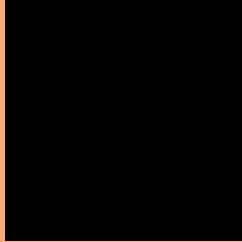
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 47.178, 56.647

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.178, 56.647.

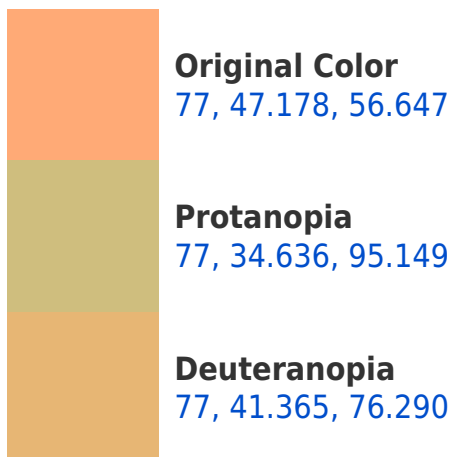


This preview shows how white text looks on a background with the CIELCh color 77, 47.178, 56.647.

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](#).

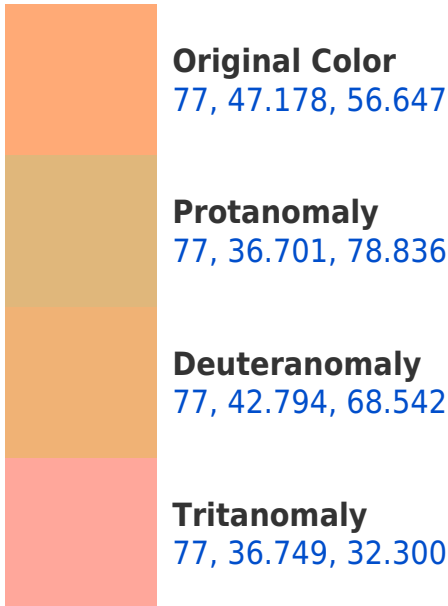
Dichromacy



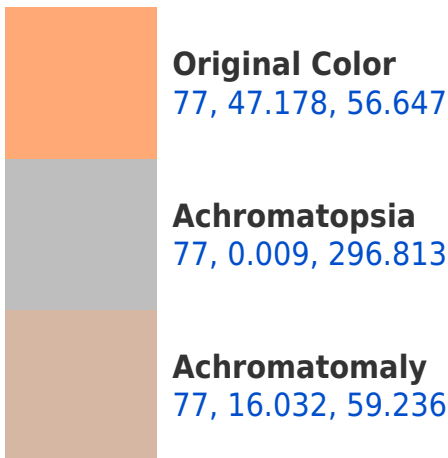


Tritanopia
77, 35.561, 13.385

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.178, 56.647 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, 170, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 118)  
}
```

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, 170, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.178, 56.647 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, 170, 118) }
```

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

```
.border{ border-color:rgb(255, 170, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.178, 56.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 118) }
```

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

```
.background{ background-color: rgb(255,  
170, 118) }
```

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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