

Converting Colors

CIELCh(83, 67.581, 40.832)

Have a look what the booklet for
CIELCh(83, 67.581, 40.832) contains.

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Color

CIELCh(76, 44.583, 47.994)

Conversions

Conversions Part 1

Format	Color
Hex	FFA580
RGB	255, 165, 128
RGB Percent	100%, 65%, 50%
CMY	0.0000, 0.3533, 0.4986
CMYK	0.00, 0.35, 0.50, 0.00
HSL	17°, 100%, 75%
HSV	17°, 50%, 100%
XYZ	58.9441, 49.8872, 26.8980
YIQ	187.6920, 65.5170, 7.5730

Conversions

Conversions Part 2

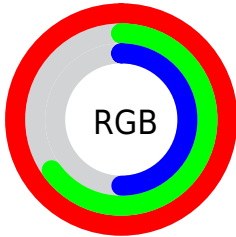
Format	Color
R _Y B	255, 180, 128
Decimal	16754048
CIE Lab	76.00, 29.84, 33.13
CIE LCh	76, 44.583, 47.994
Yxy	49.8872, 0.4343, 0.3675
Android (android.graphics.Color)	4294944128 (0xFFFFA580)
YUV	187.6920, -29.4282, 59.0291
Hunter-Lab	70.6309, 25.3608, 26.8625

Details

The CIELCh color **76, 44.583, 47.994** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 31.522, 236.834**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 24.741, 75.904**, and **56, 44.277, 48.049** is the 20% darker color. If you saturate the color by 10%, you get **72, 55.058, 48.117**, and if you desaturate by 10%, it is **80, 33.960, 48.464**.

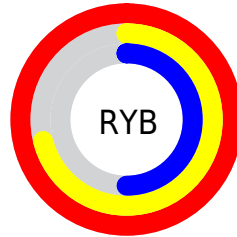
Distribution



Red (100%)

Green (65%)

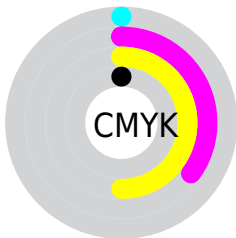
Blue (50%)



Red (100%)

Yellow (71%)

Blue (50%)

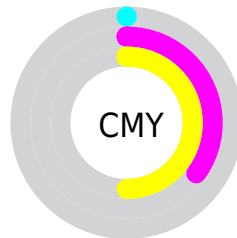


Cyan (0%)

Magenta (35%)

Yellow (50%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 44.583, 47.994 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 76, 44.583, 47.994 by changing the saturation by 10% instead.

 76, 44.583, 47.994

 76, 44.583, 47.994

 100, 44.583,
47.994

 66, 44.583, 47.994

 96, 44.583, 47.994

 56, 44.583, 47.994

 46, 44.583, 47.994

 36, 44.583, 47.994

 26, 44.583, 47.994

 16, 44.583, 47.994

 6, 44.583, 47.994

 0, 44.583, 47.994

 76, 44.583, 47.994

 76, 44.583, 47.994

72, 55.058, 48.117

80, 33.960, 48.464

68, 66.393, 48.108

85, 24.444, 48.828

64, 77.707, 48.064

90, 15.626, 49.290

61, 87.928, 47.635

95, 7.460, 49.806

58, 95.576, 46.401

100, 0.012,
296.813

58, 95.679, 46.387

Harmonies

Complementary

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



76, 44.583, 47.994



83, 31.522, 236.834

Rectangle

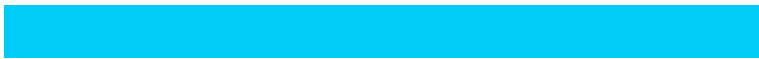
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 44.583, 47.994



76, 44.583, 97.994



76, 44.583, 227.994



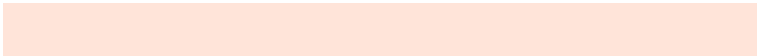
76, 44.583, 277.994

Sweetspot

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



76, 44.183, 48.225



92, 11.582, 49.539



71, 64.110, 337.455



48, 7.967, 49.430



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 44.183, 48.225



72, 55.219, 48.117



91, 51.775, 93.269



51, 4.298, 49.824



44, 76.570, 46.943



13, 28.670, 43.179

Inverse Universe

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



83, 31.522, 236.834



80, 36.229, 239.325



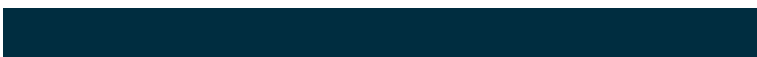
66, 55.251, 287.951



51, 4.078, 231.270



53, 38.962, 254.631



17, 17.089, 247.687

Previews

White Background



This preview shows how the CIELCh color 76, 44.583, 47.994 looks on a white background.

Color Contrast Check

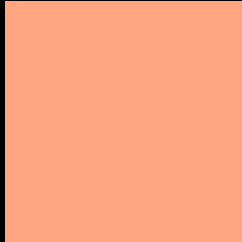
Large Text (above 18pt) WCAG AA × Fail

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 76, 44.583, 47.994 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 76, 44.583, 47.994

Background



This preview shows how black text looks on a background with the CIELCh color 76, 44.583, 47.994.



This preview shows how white text looks on a background with the CIELCh color 76, 44.583, 47.994.

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

76, 44.129, 48.218

Protanopia

76, 27.286, 95.476

Deuteranopia

76, 35.265, 73.810



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 44.129, 48.218

Protanomaly
76, 30.158, 72.242

Deuteranomaly
76, 37.535, 63.071

Tritanomaly
76, 38.087, 27.525

Monochromacy



Original Color
76, 44.129, 48.218

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 14.748, 50.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 44.583, 47.994 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, 165, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 128)  
}
```

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, 165, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 44.583, 47.994 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, 165, 128) }
```

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

```
.border{ border-color:rgb(255, 165, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 165, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 165, 128); box-shadow:4px 4px 4px 4px rgb(255, 165, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 44.583, 47.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 128) }
```

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

```
.background{ background-color: rgb(255,  
165, 128) }
```

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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