

Converting Colors

CIELCh(76, 51.569, 57.513)

Have a look what the booklet for
CIELCh(76, 51.569, 57.513) contains.

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Color

CIELCh(76, 51.142, 57.803)

Conversions

Conversions Part 1

Format	Color
Hex	FFA66C
RGB	255, 166, 108
RGB Percent	100%, 65%, 42%
CMY	0.0000, 0.3472, 0.5748
CMYK	0.00, 0.35, 0.57, 0.00
HSL	24°, 100%, 71%
HSV	24°, 57%, 100%
XYZ	57.8784, 49.8872, 20.8856
YIQ	185.9990, 71.6620, 0.8300

Conversions

Conversions Part 2

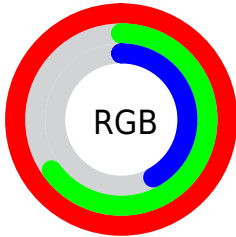
Format	Color
RYP	255, 204, 108
Decimal	16754284
CIELab	76.00, 27.25, 43.28
CIElCh	76, 51.142, 57.803
Yxy	49.8872, 0.4499, 0.3878
Android (android.graphics.Color)	4294944364 (0xFFFFA66C)
YUV	185.9990, -38.4535, 60.5139
Hunter-Lab	70.6309, 22.6676, 31.9096

Details

The CIELCh color **76, 51.142, 57.803** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **76, 37.993, 254.309**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 34.007, 83.893**, and **56, 51.170, 58.389** is the 20% darker color. If you saturate the color by 10%, you get **72, 61.486, 57.099**, and if you desaturate by 10%, it is **80, 40.792, 58.803**.

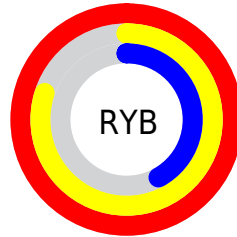
Distribution



Red (100%)

Green (65%)

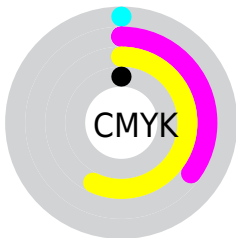
Blue (42%)



Red (100%)

Yellow (80%)

Blue (42%)

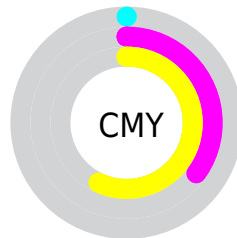


Cyan (0%)

Magenta (35%)

Yellow (57%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 51.142, 57.803 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, 51.142, 57.803 by changing the saturation by 10% instead.

76, 51.142, 57.803

76, 51.142, 57.803

100, 51.142,
57.803

66, 51.142, 57.803

96, 51.142, 57.803

56, 51.142, 57.803

46, 51.142, 57.803

36, 51.142, 57.803

26, 51.142, 57.803

16, 51.142, 57.803

6, 51.142, 57.803

0, 51.142, 57.803

76, 51.142, 57.803

76, 51.142, 57.803

72, 61.486, 57.099

80, 40.792, 58.803

69, 71.963, 56.141

84, 31.155, 59.697

66, 81.507, 54.813

88, 22.094, 60.634

63, 88.709, 52.666

92, 13.600, 61.600

62, 90.289, 52.099

97, 5.634, 62.550

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.



76, 51.142, 57.803



76, 37.993, 254.309

Rectangle

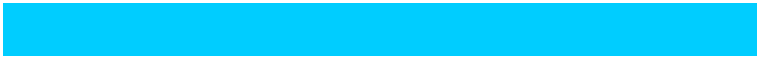
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 51.142, 57.803



76, 51.142, 107.803



76, 51.142, 237.803



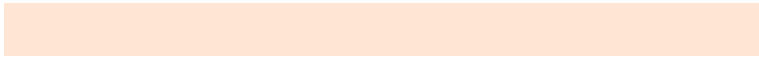
76, 51.142, 287.803

Sweetspot

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



76, 50.958, 57.949



93, 13.207, 61.646



67, 68.028, 343.334



48, 8.892, 61.451



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, 50.958, 57.949



72, 63.099, 56.964



93, 64.176, 98.679



51, 4.312, 62.365



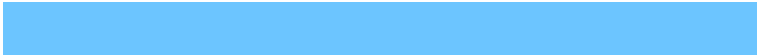
47, 72.305, 52.775



14, 27.497, 51.831

Inverse Universe

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



76, 37.993, 254.309



72, 44.167, 258.358



57, 73.335, 294.772



51, 4.148, 244.536



47, 47.159, 271.912



14, 19.765, 264.708

Previews

White Background



This preview shows how the CIELCh color 76, 51.142, 57.803 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, 51.142, 57.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

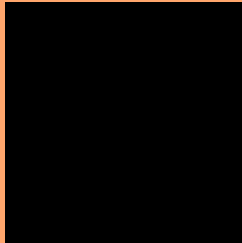
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 51.142, 57.803

Background



This preview shows how black text looks on a background with the CIELCh color 76, 51.142, 57.803.

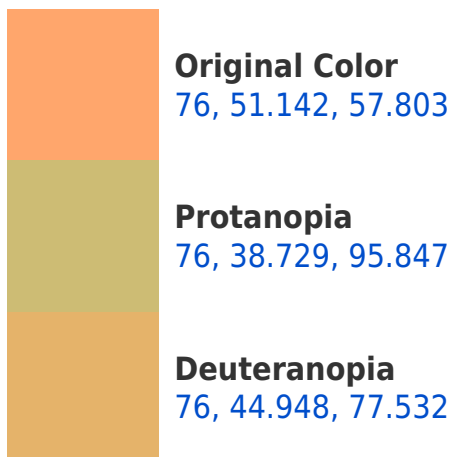


This preview shows how white text looks on a background with the CIELCh color 76, 51.142, 57.803.

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



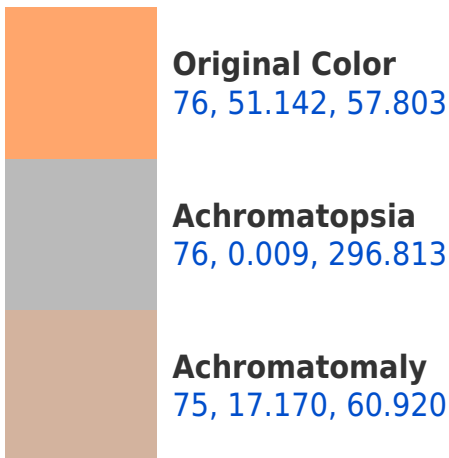


Tritanopia
76, 37.286, 14.043

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 51.142, 57.803 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, 166, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 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(255, 166, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 51.142, 57.803 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, 166, 108) }
```

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

```
.border{ border-color:rgb(255, 166, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 51.142, 57.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 108) }
```

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

```
.background{ background-color: rgb(255,  
166, 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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