

Converting Colors

CIELCh(76, 46.124, 51.233)

Have a look what the booklet for
CIELCh(76, 46.124, 51.233) contains.

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Color

CIELCh(76, 46.024, 51.962)

Conversions

Conversions Part 1

Format	Color
Hex	FFA67A
RGB	255, 166, 122
RGB Percent	100%, 65%, 48%
CMY	0.0004, 0.3493, 0.5219
CMYK	0.00, 0.35, 0.52, 0.00
HSL	20°, 100%, 74%
HSV	20°, 52%, 100%
XYZ	58.3341, 49.8872, 24.9412
YIQ	187.5950, 67.1680, 5.1840

Conversions

Conversions Part 2

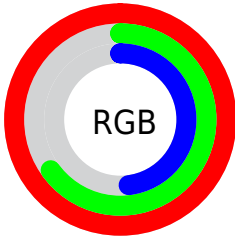
Format	Color
R _Y B	255, 188, 122
Decimal	16754298
CIE Lab	76.00, 28.36, 36.25
CIE LCh	76, 46.024, 51.962
Yxy	49.8872, 0.4381, 0.3746
Android (android.graphics.Color)	4294944378 (0xFFFFA67A)
YUV	187.5950, -32.3383, 59.1142
Hunter-Lab	70.6309, 23.8191, 28.5051

Details

The CIELCh color **76, 46.024, 51.962** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 33.247, 243.344**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 27.694, 80.107**, and **56, 46.296, 51.796** is the 20% darker color. If you saturate the color by 10%, you get **72, 56.779, 51.573**, and if you desaturate by 10%, it is **80, 35.846, 52.448**.

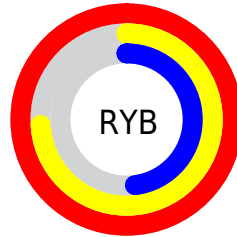
Distribution



Red (100%)

Green (65%)

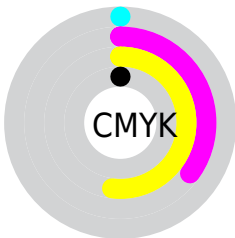
Blue (48%)



Red (100%)

Yellow (74%)

Blue (48%)

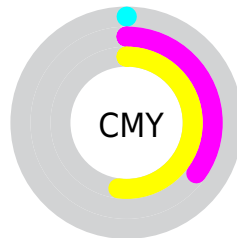


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 46.024, 51.962 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, 46.024, 51.962 by changing the saturation by 10% instead.

76, 46.024, 51.962

76, 46.024, 51.962

100, 46.024,
51.962

66, 46.024, 51.962

96, 46.024, 51.962

56, 46.024, 51.962

46, 46.024, 51.962

36, 46.024, 51.962

26, 46.024, 51.962

16, 46.024, 51.962

6, 46.024, 51.962

0, 46.024, 51.962

76, 46.024, 51.962

76, 46.024, 51.962

72, 56.779, 51.573

80, 35.846, 52.448

68, 67.872, 51.210

85, 26.330, 53.024

65, 78.716, 50.708

89, 17.475, 53.679

62, 88.088, 49.667

94, 9.245, 54.381

60, 93.626, 48.302

99, 1.586, 54.852

100, 0.034,
219.430

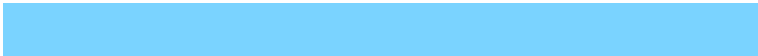
Harmonies

Complementary

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



76, 46.024, 51.962



81, 33.247, 243.344

Rectangle

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



76, 46.024, 51.962



76, 46.024, 101.962



76, 46.024, 231.962



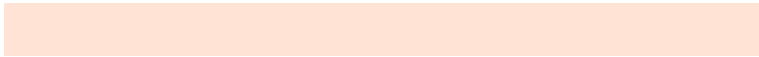
76, 46.024, 281.962

Sweetspot

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



76, 46.023, 51.966



92, 12.330, 54.110



69, 65.278, 339.250



48, 8.388, 53.965



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, 46.023, 51.966



72, 57.710, 51.543



91, 55.557, 95.195



51, 4.278, 54.566



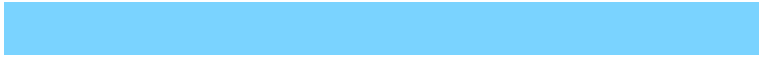
45, 74.953, 48.910



13, 28.167, 46.239

Inverse Universe

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



81, 33.247, 243.344



77, 38.473, 246.471



63, 60.590, 290.311



51, 4.079, 236.322



51, 41.609, 261.787



16, 17.916, 254.570

Previews

White Background



This preview shows how the CIELCh color 76, 46.024, 51.962 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, 46.024, 51.962 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, 46.024, 51.962

Background



This preview shows how black text looks on a background with the CIELCh color 76, 46.024, 51.962.



This preview shows how white text looks on a background with the CIELCh color 76, 46.024, 51.962.

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, 46.024, 51.962

Protanopia

76, 30.948, 95.708

Deuteranopia

76, 38.260, 75.403



Tritanopia
76, 37.286, 14.043

Trichromacy



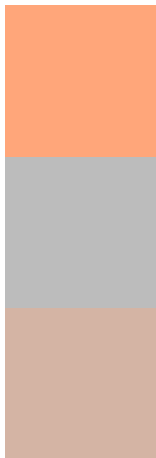
Original Color
76, 46.024, 51.962

Protanomaly
76, 33.315, 75.381

Deuteranomaly
76, 40.331, 65.333

Tritanomaly
76, 38.078, 29.822

Monochromacy



Original Color
76, 46.024, 51.962

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 15.378, 53.944

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 46.024, 51.962 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 46.024, 51.962 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, 122) }
```

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

```
.border{ border-color:rgb(255, 166, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 46.024, 51.962 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
166, 122) }
```

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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