

Converting Colors

CIELCh(76, 47.671, 54.134)

Have a look what the booklet for
CIELCh(76, 47.671, 54.134) contains.

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Color

CIELCh(76, 47.797, 54.220)

Conversions

Conversions Part 1

Format	Color
Hex	FFA675
RGB	255, 166, 117
RGB Percent	100%, 65%, 46%
CMY	0.0000, 0.3485, 0.5407
CMYK	0.00, 0.35, 0.54, 0.00
HSL	21°, 100%, 73%
HSV	21°, 54%, 100%
XYZ	58.1639, 49.8872, 23.4274
YIQ	187.0250, 68.7730, 3.6290

Conversions

Conversions Part 2

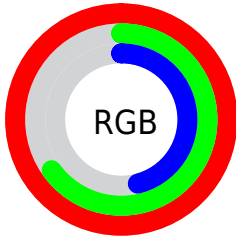
Format	Color
RYB	255, 193, 117
Decimal	16754293
CIELab	76.00, 27.95, 38.78
CIElCh	76, 47.797, 54.220
Yxy	49.8872, 0.4424, 0.3794
Android (android.graphics.Color)	4294944373 (0xFFFFA675)
YUV	187.0250, -34.5223, 59.6141
Hunter-Lab	70.6309, 23.3890, 29.7758

Details

The CIELCh color **76, 47.797, 54.220** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 34.813, 247.497**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 30.025, 82.053**, and **56, 48.173, 54.015** is the 20% darker color. If you saturate the color by 10%, you get **72, 58.438, 53.692**, and if you desaturate by 10%, it is **80, 37.569, 54.885**.

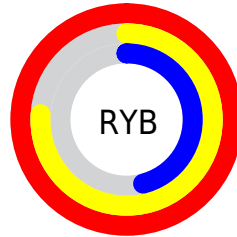
Distribution



Red (100%)

Green (65%)

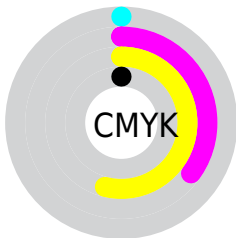
Blue (46%)



Red (100%)

Yellow (76%)

Blue (46%)

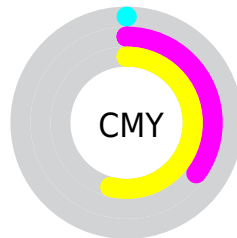


Cyan (0%)

Magenta (35%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 47.797, 54.220 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, 47.797, 54.220 by changing the saturation by 10% instead.

 76, 47.797, 54.220

 76, 47.797, 54.220

 100, 47.797,
54.220

 66, 47.797, 54.220

 96, 47.797, 54.220

 56, 47.797, 54.220

 46, 47.797, 54.220

 36, 47.797, 54.220

 26, 47.797, 54.220

 16, 47.797, 54.220

 6, 47.797, 54.220

 0, 47.797, 54.220

 76, 47.797, 54.220

 76, 47.797, 54.220

72, 58.438, 53.692

80, 37.569, 54.885

68, 69.346, 53.107

84, 28.011, 55.585

65, 79.787, 52.302

89, 19.087, 56.351

62, 88.424, 50.841

93, 10.769, 57.159

60, 92.373, 49.641

98, 3.008, 57.891

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, 47.797, 54.220



79, 34.813, 247.497

Rectangle

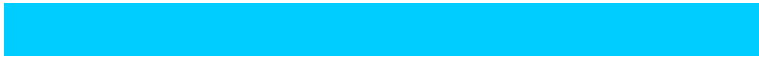
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76, 47.797, 54.220



76, 47.797, 104.220



76, 47.797, 234.220



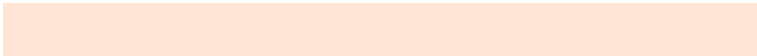
76, 47.797, 284.220

Sweetspot

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



76, 47.747, 54.259



93, 12.327, 57.002



68, 65.950, 341.129



48, 8.383, 56.834



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, 47.747, 54.259



72, 59.446, 53.640



92, 59.071, 97.067



51, 4.281, 57.525



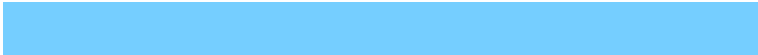
46, 73.940, 50.279



14, 27.887, 48.276

Inverse Universe

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



79, 34.813, 247.497



75, 40.255, 250.928



61, 65.770, 292.425



51, 4.095, 239.454



50, 43.546, 265.856



15, 18.547, 258.586

Previews

White Background



This preview shows how the CIELCh color 76, 47.797, 54.220 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, 47.797, 54.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

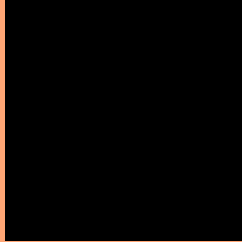
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 47.797, 54.220

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.797, 54.220.

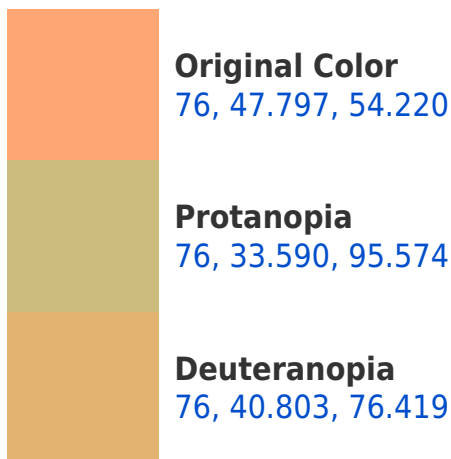


This preview shows how white text looks on a background with the CIELCh color 76, 47.797, 54.220.

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



Original Color
76, 47.797, 54.220

Protanomaly
76, 35.871, 76.635

Deuteranomaly
76, 42.446, 67.294

Tritanomaly
76, 38.415, 31.320

Monochromacy



Original Color
76, 47.797, 54.220

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 16.065, 54.642

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.797, 54.220 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.797, 54.220 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, 117) }
```

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

```
.border{ border-color:rgb(255, 166, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.797, 54.220 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
166, 117) }
```

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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