

Converting Colors

CIELCh(87, 80.618, 42.509)

Have a look what the booklet for
CIELCh(87, 80.618, 42.509) contains.

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Color

CIELCh(76, 47.361, 54.496)

Conversions

Conversions Part 1

Format	Color
Hex	FEA676
RGB	254, 166, 118
RGB Percent	100%, 65%, 46%
CMY	0.0023, 0.3471, 0.5392
CMYK	0.00, 0.35, 0.54, 0.00
HSL	21°, 99%, 73%
HSV	21°, 54%, 100%
XYZ	57.9831, 49.8872, 23.5571
YIQ	186.8400, 67.8560, 3.7280

Conversions

Conversions Part 2

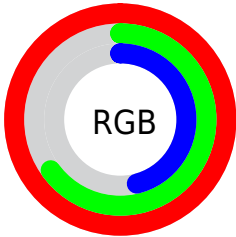
Format	Color
RYB	254, 192, 118
Decimal	16688758
CIELab	76.00, 27.51, 38.56
CIELCh	76, 47.361, 54.496
Yxy	49.8872, 0.4412, 0.3796
Android (android.graphics.Color)	4294878838 (0xFFFEA676)
YUV	186.8400, -33.9381, 58.8993
Hunter-Lab	70.6309, 22.9321, 29.6670

Details

The CIELCh color **76, 47.361, 54.496** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 34.672, 247.760**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 29.556, 81.692**, and **56, 47.396, 53.854** is the 20% darker color. If you saturate the color by 10%, you get **72, 58.005, 53.915**, and if you desaturate by 10%, it is **80, 37.228, 55.142**.

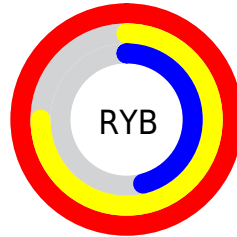
Distribution



Red (100%)

Green (65%)

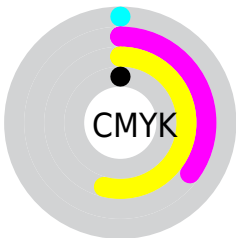
Blue (46%)



Red (100%)

Yellow (75%)

Blue (46%)

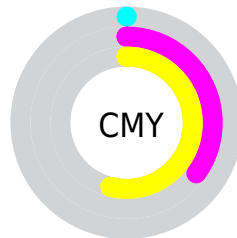


Cyan (0%)

Magenta (35%)

Yellow (54%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 47.361, 54.496 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, 47.361, 54.496 by changing the saturation by 10% instead.

76, 47.361, 54.496

76, 47.361, 54.496

100, 47.361,
54.496

66, 47.361, 54.496

96, 47.361, 54.496

56, 47.361, 54.496

46, 47.361, 54.496

36, 47.361, 54.496

26, 47.361, 54.496

16, 47.361, 54.496

6, 47.361, 54.496

0, 47.361, 54.496

76, 47.361, 54.496

76, 47.361, 54.496

72, 58.005, 53.915

80, 37.228, 55.142

68, 68.874, 53.314

84, 27.712, 55.857

65, 79.298, 52.497

89, 18.827, 56.636

62, 87.964, 51.040

93, 10.542, 57.454

60, 92.085, 49.777

98, 2.809, 58.185

100, 0.207,
202.593

Harmonies

Complementary

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



76, 47.361, 54.496



79, 34.672, 247.760

Rectangle

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



76, 47.361, 54.496



76, 47.361, 104.496



76, 47.361, 234.496



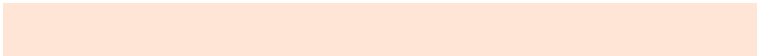
76, 47.361, 284.496

Sweetspot

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



76, 47.360, 54.500



93, 12.328, 57.274



68, 65.554, 341.098



48, 8.384, 57.104



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, 47.360, 54.500



72, 59.406, 53.847



92, 58.696, 97.098



51, 4.282, 57.803



46, 73.846, 50.413



14, 27.862, 48.472

Inverse Universe

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



79, 34.672, 247.760



75, 40.348, 251.278



61, 65.295, 292.360



51, 4.097, 239.748



49, 43.739, 266.223



15, 18.611, 258.953

Previews

White Background



This preview shows how the CIELCh color 76, 47.361, 54.496 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, 47.361, 54.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

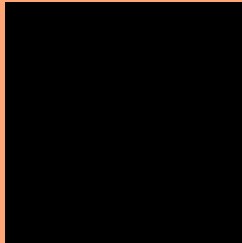
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 47.361, 54.496

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.361, 54.496.

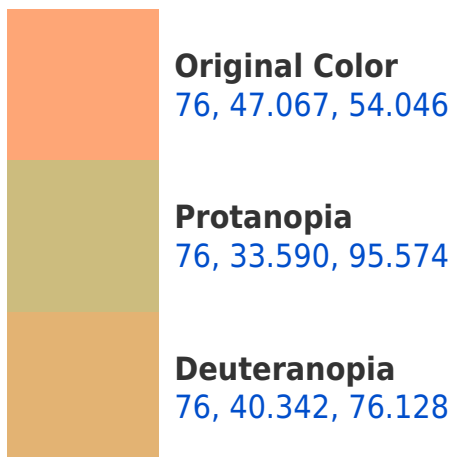


This preview shows how white text looks on a background with the CIELCh color 76, 47.361, 54.496.

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, 47.067, 54.046

Protanomaly
76, 35.638, 77.213

Deuteranomaly
76, 42.020, 66.920

Tritanomaly
76, 38.415, 31.320

Monochromacy



Original Color
76, 47.067, 54.046

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 16.055, 56.931

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.361, 54.496 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(254, 166, 118)` looks like.

```
.text, #text, p{  
    color:rgb(254, 166, 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(254, 166, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 166, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.361, 54.496 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(254, 166, 118) }
```

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

```
.border{ border-color:rgb(254, 166, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 166, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 166, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 166, 118);  
box-shadow:4px 4px 4px 4px rgb(254, 166,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.361, 54.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 166, 118) }
```

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

```
.background{ background-color: rgb(254,  
166, 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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