

Converting Colors

CIELCh(76, 49.436, 56.192)

Have a look what the booklet for
CIELCh(76, 49.436, 56.192) contains.

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Color

CIELCh(76, 49.262, 55.886)

Conversions

Conversions Part 1

Format	Color
Hex	FFA671
RGB	255, 166, 113
RGB Percent	100%, 65%, 44%
CMY	0.0000, 0.3479, 0.5559
CMYK	0.00, 0.35, 0.56, 0.00
HSL	22°, 100%, 72%
HSV	22°, 56%, 100%
XYZ	58.0335, 49.8872, 22.2689
YIQ	186.5690, 70.0570, 2.3850

Conversions

Conversions Part 2

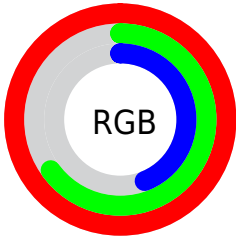
Format	Color
RYB	255, 198, 113
Decimal	16754289
CIELab	76.00, 27.63, 40.79
CIELCh	76, 49.262, 55.886
Yxy	49.8872, 0.4458, 0.3832
Android (android.graphics.Color)	4294944369 (0xFFFFA671)
YUV	186.5690, -36.2695, 60.0140
Hunter-Lab	70.6309, 23.0594, 30.7483

Details

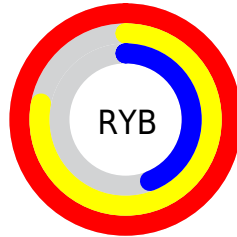
The CIELCh color **76, 49.262, 55.886** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 36.168, 250.636**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 31.646, 82.390**, and **56, 48.927, 55.508** is the 20% darker color. If you saturate the color by 10%, you get **72, 59.775, 55.275**, and if you desaturate by 10%, it is **80, 38.975, 56.705**.

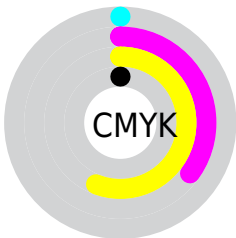
Distribution



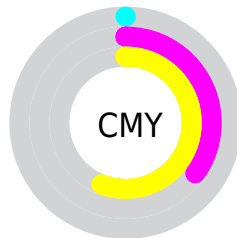
- Red (100%)
- Green (65%)
- Blue (44%)



- Red (100%)
- Yellow (78%)
- Blue (44%)



- Cyan (0%)
- Magenta (35%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (35%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 49.262, 55.886 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, 49.262, 55.886 by changing the saturation by 10% instead.

76, 49.262, 55.886

76, 49.262, 55.886

100, 49.262,
55.886

66, 49.262, 55.886

96, 49.262, 55.886

56, 49.262, 55.886

46, 49.262, 55.886

36, 49.262, 55.886

26, 49.262, 55.886

16, 49.262, 55.886

6, 49.262, 55.886

0, 49.262, 55.886

76, 49.262, 55.886

76, 49.262, 55.886

72, 59.775, 55.275

80, 38.975, 56.705

69, 70.507, 54.520

84, 29.383, 57.496

65, 80.576, 53.478

89, 20.401, 58.343

62, 88.575, 51.694

93, 12.008, 59.226

61, 91.407, 50.733

97, 4.160, 60.073

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, 49.262, 55.886



78, 36.168, 250.636

Rectangle

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



76, 49.262, 55.886



76, 49.262, 105.886



76, 49.262, 235.886



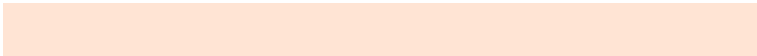
76, 49.262, 285.886

Sweetspot

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



76, 49.150, 55.973



92, 13.161, 59.100



68, 66.824, 342.185



48, 8.864, 58.922



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, 49.150, 55.973



72, 61.299, 55.175



93, 61.423, 97.903



51, 4.291, 59.760



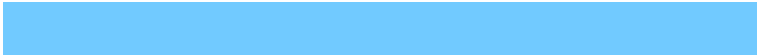
47, 73.180, 51.389



14, 27.696, 49.881

Inverse Universe

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



78, 36.168, 250.636



74, 42.025, 254.434



59, 69.228, 293.568



51, 4.116, 241.807



48, 45.146, 268.740



15, 19.081, 261.480

Previews

White Background



This preview shows how the CIELCh color 76, 49.262, 55.886 looks on a white background.

Color Contrast Check

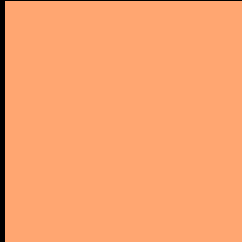
Large Text (above 18pt) WCAG AA × Fail

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, 49.262, 55.886 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, 49.262, 55.886

Background



This preview shows how black text looks on a background with the CIELCh color 76, 49.262, 55.886.



This preview shows how white text looks on a background with the CIELCh color 76, 49.262, 55.886.

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, 49.262, 55.886

Protanopia

76, 36.127, 96.069

Deuteranopia

76, 42.420, 76.752



Tritanopia
76, 37.286, 14.043

Trichromacy



Original Color
76, 49.262, 55.886

Protanomaly
76, 38.206, 78.225

Deuteranomaly
76, 44.027, 67.945

Tritanomaly
76, 38.595, 32.058

Monochromacy



Original Color
76, 49.262, 55.886

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 16.754, 57.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 49.262, 55.886 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 49.262, 55.886 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, 113) }
```

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

```
.border{ border-color:rgb(255, 166, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 49.262, 55.886 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
166, 113) }
```

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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