

Converting Colors

CIELCh(82, 69.160, 41.502)

Have a look what the booklet for
CIELCh(82, 69.160, 41.502) contains.

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Color

CIELCh(75, 46.926, 48.850)

Conversions

Conversions Part 1

Format	Color
Hex	FFA179
RGB	255, 161, 121
RGB Percent	100%, 63%, 47%
CMY	0.0000, 0.3676, 0.5245
CMYK	0.00, 0.37, 0.52, 0.00
HSL	18°, 100%, 74%
HSV	18°, 52%, 100%
XYZ	57.5996, 48.2781, 24.4490
YIQ	184.5460, 68.8640, 7.4880

Conversions

Conversions Part 2

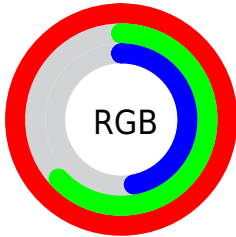
Format	Color
R _Y B	255, 178, 121
Decimal	16753017
CIE Lab	75.00, 30.88, 35.33
CIE LCh	75, 46.926, 48.850
Yxy	48.2781, 0.4420, 0.3704
Android (android.graphics.Color)	4294943097 (0xFFFFA179)
YUV	184.5460, -31.3282, 61.7882
Hunter-Lab	69.4824, 26.3788, 27.7752

Details

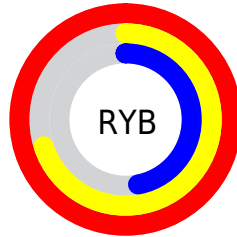
The CIELCh color **75, 46.926, 48.850** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **82, 32.886, 238.609**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **89, 26.908, 73.327**, and **55, 47.006, 48.218** is the 20% darker color. If you saturate the color by 10%, you get **71, 57.786, 48.775**, and if you desaturate by 10%, it is **79, 36.454, 49.176**.

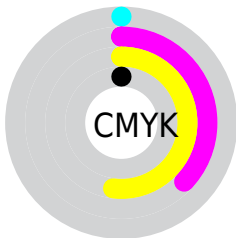
Distribution



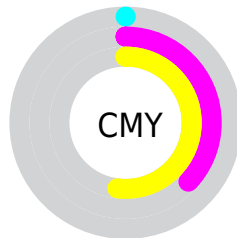
- Red (100%)
- Green (63%)
- Blue (47%)



- Red (100%)
- Yellow (70%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (52%)
- Black (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 46.926, 48.850 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 75, 46.926, 48.850 by changing the saturation by 10% instead.

 75, 46.926, 48.850

 75, 46.926, 48.850

 100, 46.926,
48.850

 65, 46.926, 48.850

 95, 46.926, 48.850

 55, 46.926, 48.850

 45, 46.926, 48.850

 35, 46.926, 48.850

 25, 46.926, 48.850

 15, 46.926, 48.850

 5, 46.926, 48.850

 0, 46.926, 48.850

 75, 46.926, 48.850

 75, 46.926, 48.850

71, 57.786, 48.775

79, 36.454, 49.176

67, 69.123, 48.702

84, 26.787, 49.558

63, 80.227, 48.520

89, 17.818, 50.041

60, 89.821, 47.804

94, 9.508, 50.590

58, 95.287, 46.740

99, 1.801, 50.957

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.



75, 46.926, 48.850



82, 32.886, 238.609

Rectangle

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



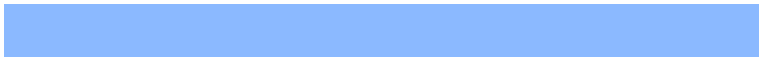
75, 46.926, 48.850



75, 46.926, 98.850



75, 46.926, 228.850



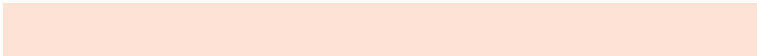
75, 46.926, 278.850

Sweetspot

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



75, 46.814, 48.915



92, 12.382, 50.391



69, 67.034, 337.696



48, 8.426, 50.277



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 46.814, 48.915



71, 58.398, 48.770



90, 54.377, 92.933



51, 4.291, 50.752



44, 76.255, 47.307



13, 28.567, 43.759

Inverse Universe

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



82, 32.886, 238.609



79, 37.644, 241.432



64, 58.381, 288.598



51, 4.076, 232.262



53, 39.434, 256.096



17, 17.233, 249.078

Previews

White Background



This preview shows how the CIELCh color 75, 46.926, 48.850 looks on a white background.

Color Contrast Check

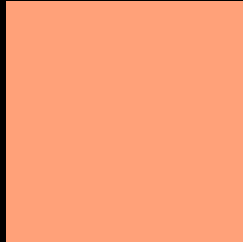
Large Text (above 18pt) WCAG AA × Fail

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 75, 46.926, 48.850 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 75, 46.926, 48.850

Background



This preview shows how black text looks on a background with the CIELCh color 75, 46.926, 48.850.

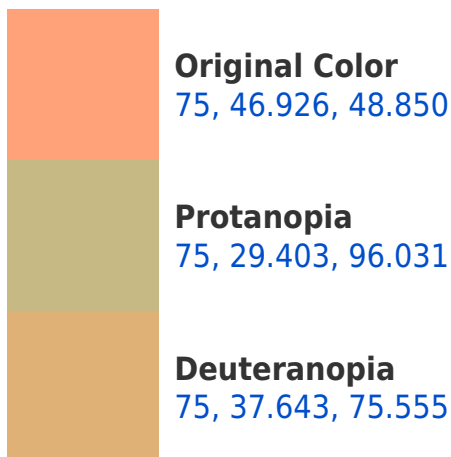


This preview shows how white text looks on a background with the CIELCh color 75, 46.926, 48.850.

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
75, 39.026, 14.676

Trichromacy



Original Color
75, 46.926, 48.850

Protanomaly
75, 32.343, 73.424

Deuteranomaly
75, 39.974, 63.991

Tritanomaly
75, 39.774, 29.005

Monochromacy



Original Color
75, 46.926, 48.850

Achromatopsia
75, 0.009, 296.813

Achromatomaly
74, 15.531, 49.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 46.926, 48.850 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, 161, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 121)  
}
```

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, 161, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 46.926, 48.850 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, 161, 121) }
```

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

```
.border{ border-color:rgb(255, 161, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 46.926, 48.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 121) }
```

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

```
.background{ background-color: rgb(255,  
161, 121) }
```

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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