

Converting Colors

CIELCh(89, 76.805, 38.796)

Have a look what the booklet for
CIELCh(89, 76.805, 38.796) contains.

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Color

CIELCh(78, 41.015, 49.946)

Conversions

Conversions Part 1

Format	Color
Hex	FFAD88
RGB	255, 173, 136
RGB Percent	100%, 68%, 53%
CMY	0.0000, 0.3211, 0.4664
CMYK	0.00, 0.32, 0.47, 0.00
HSL	19°, 100%, 77%
HSV	19°, 47%, 100%
XYZ	61.1181, 53.2120, 30.3699
YIQ	193.3000, 60.7490, 5.8770

Conversions

Conversions Part 2

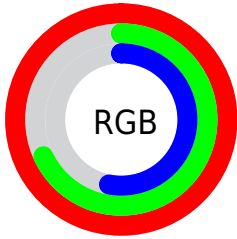
Format	Color
R _Y B	255, 190, 136
Decimal	16756104
CIE Lab	78.00, 26.39, 31.39
CIE LCh	78, 41.015, 49.946
Yxy	53.2120, 0.4224, 0.3677
Android (android.graphics.Color)	4294946184 (0xFFFFAD88)
YUV	193.3000, -28.2489, 54.1109
Hunter-Lab	72.9466, 21.8994, 26.3784

Details

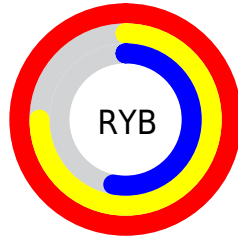
The CIELCh color **78, 41.015, 49.946** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 30.073, 239.160**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 22.500, 82.064**, and **58, 40.323, 50.057** is the 20% darker color. If you saturate the color by 10%, you get **74, 51.104, 49.983**, and if you desaturate by 10%, it is **82, 30.639, 50.696**.

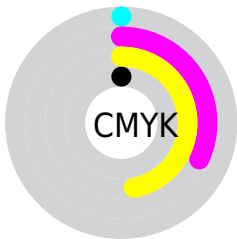
Distribution



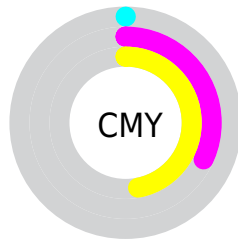
- Red (100%)
- Green (68%)
- Blue (53%)



- Red (100%)
- Yellow (75%)
- Blue (53%)



- Cyan (0%)
- Magenta (32%)
- Yellow (47%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 41.015, 49.946 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 78, 41.015, 49.946 by changing the saturation by 10% instead.

 78, 41.015, 49.946

 78, 41.015, 49.946

 100, 41.015,
49.946

 68, 41.015, 49.946

 98, 41.015, 49.946

 58, 41.015, 49.946

 48, 41.015, 49.946

 38, 41.015, 49.946

 28, 41.015, 49.946

 18, 41.015, 49.946

 8, 41.015, 49.946

 0, 41.015, 49.946

 78, 41.015, 49.946

 78, 41.015, 49.946

74, 51.104, 49.983

82, 30.639, 50.696

70, 62.190, 49.775

87, 21.426, 51.212

66, 73.436, 49.566

92, 12.878, 51.803

63, 84.006, 49.094

97, 4.947, 52.402

60, 92.318, 47.824

100, 0.012,
296.813

59, 94.653, 47.328

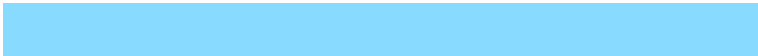
Harmonies

Complementary

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



78, 41.015, 49.946



83, 30.073, 239.160

Rectangle

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



78, 41.015, 49.946



78, 41.015, 99.946



78, 41.015, 229.946



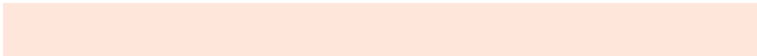
78, 41.015, 279.946

Sweetspot

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



78, 40.541, 50.283



93, 10.729, 51.966



72, 59.704, 337.922



49, 7.468, 51.832



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 40.541, 50.283



74, 50.413, 49.998



92, 49.197, 94.796



51, 4.284, 52.241



45, 75.748, 47.912



13, 28.406, 44.708

Inverse Universe

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



83, 30.073, 239.160



80, 34.779, 241.411



68, 52.524, 288.108



51, 4.074, 233.851



52, 40.239, 258.380



16, 17.482, 251.265

Previews

White Background



This preview shows how the CIELCh color 78, 41.015, 49.946 looks on a white background.

Color Contrast Check

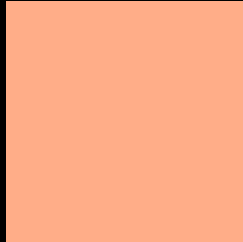
Large Text (above 18pt) WCAG AA × Fail

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 78, 41.015, 49.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

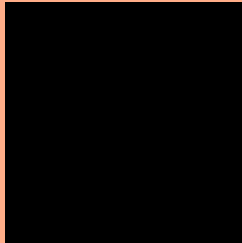
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 41.015, 49.946

Background



This preview shows how black text looks on a background with the CIELCh color 78, 41.015, 49.946.



This preview shows how white text looks on a background with the CIELCh color 78, 41.015, 49.946.

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

78, 40.580, 50.217

Protanopia

78, 26.105, 95.235

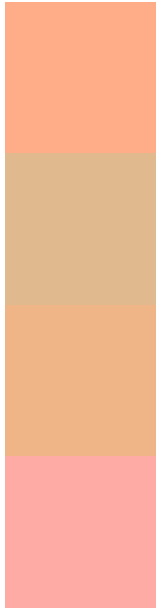
Deuteranopia

78, 33.409, 73.310



Tritanopia
78, 33.870, 11.808

Trichromacy



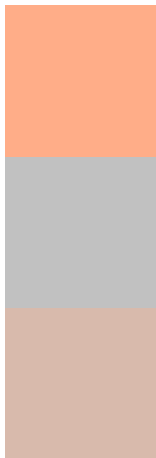
Original Color
78, 40.580, 50.217

Protanomaly
78, 28.454, 74.532

Deuteranomaly
78, 35.119, 64.018

Tritanomaly
78, 33.983, 27.590

Monochromacy



Original Color
78, 40.580, 50.217

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 13.955, 52.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 41.015, 49.946 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, 173, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 173, 136)  
}
```

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, 173, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 173, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 41.015, 49.946 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, 173, 136) }
```

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

```
.border{ border-color:rgb(255, 173, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 173, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 173, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 173, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 173,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 41.015, 49.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 173, 136) }
```

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

```
.background{ background-color: rgb(255,  
173, 136) }
```

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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