

Converting Colors

CIELCh(87, 67.937, 40.630)

Have a look what the booklet for
CIELCh(87, 67.937, 40.630) contains.

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Color

CIELCh(78, 40.049, 51.346)

Conversions

Conversions Part 1

Format	Color
Hex	FEAE88
RGB	254, 174, 136
RGB Percent	100%, 68%, 53%
CMY	0.0036, 0.3169, 0.4658
CMYK	0.00, 0.31, 0.46, 0.00
HSL	19°, 98%, 77%
HSV	19°, 46%, 100%
XYZ	60.5344, 53.2120, 30.4528
YIQ	193.5880, 59.8780, 5.1420

Conversions

Conversions Part 2

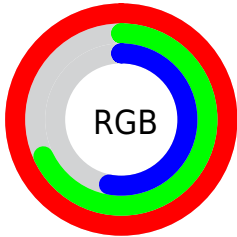
Format	Color
R_{YB}	254, 192, 136
Decimal	16690824
CIE _{Lab}	78.00, 25.02, 31.28
CIE _{LCh}	78, 40.049, 51.346
Yxy	53.2120, 0.4198, 0.3690
Android (android.graphics.Color)	4294880904 (0xFFFEAE88)
YUV	193.5880, -28.3909, 52.9813
Hunter-Lab	72.9466, 20.4710, 26.3109

Details

The CIELCh color **78, 40.049, 51.346** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **83, 29.985, 240.664**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 22.774, 83.453**, and **58, 40.200, 50.920** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.505, 50.971**, and if you desaturate by 10%, it is **82, 30.238, 51.834**.

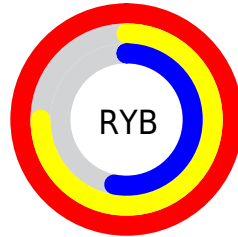
Distribution



Red (100%)

Green (68%)

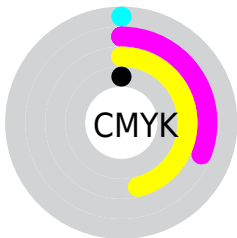
Blue (53%)



Red (100%)

Yellow (75%)

Blue (53%)

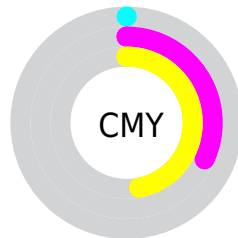


Cyan (0%)

Magenta (31%)

Yellow (46%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 40.049, 51.346 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, 40.049, 51.346 by changing the saturation by 10% instead.

78, 40.049, 51.346

78, 40.049, 51.346

100, 40.049,
51.346

68, 40.049, 51.346

98, 40.049, 51.346

58, 40.049, 51.346

48, 40.049, 51.346

38, 40.049, 51.346

28, 40.049, 51.346

18, 40.049, 51.346

8, 40.049, 51.346

0, 40.049, 51.346

78, 40.049, 51.346

78, 40.049, 51.346

74, 50.505, 50.971

82, 30.238, 51.834

70, 61.478, 50.673

87, 21.104, 52.410

66, 72.610, 50.366

92, 12.621, 53.056

63, 83.087, 49.793

97, 4.741, 53.700

60, 91.366, 48.436

100, 0.317,
201.474

59, 93.845, 47.858

Harmonies

Complementary

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



78, 40.049, 51.346



83, 29.985, 240.664

Rectangle

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



78, 40.049, 51.346



78, 40.049, 101.346



78, 40.049, 231.346



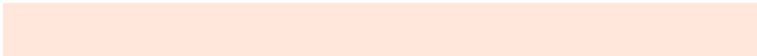
78, 40.049, 281.346

Sweetspot

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



78, 40.048, 51.351



93, 10.717, 53.215



72, 58.601, 338.675



49, 7.458, 53.071



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, 40.048, 51.351



74, 50.234, 50.984



92, 49.501, 95.905



51, 4.280, 53.512



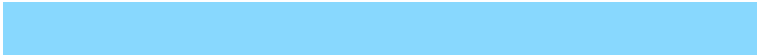
45, 75.314, 48.450



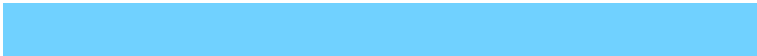
13, 28.274, 45.537

Inverse Universe

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



83, 29.985, 240.664



80, 34.988, 243.035



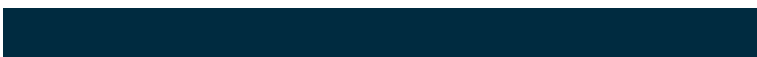
67, 53.186, 288.941



51, 4.076, 235.203



51, 40.971, 260.266



16, 17.712, 253.088

Previews

White Background



This preview shows how the CIELCh color 78, 40.049, 51.346 looks on a white background.

Color Contrast Check

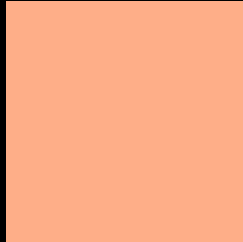
Large Text (above 18pt) WCAG AA × Fail

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, 40.049, 51.346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

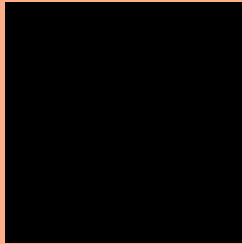
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 40.049, 51.346

Background



This preview shows how black text looks on a background with the CIELCh color 78, 40.049, 51.346.

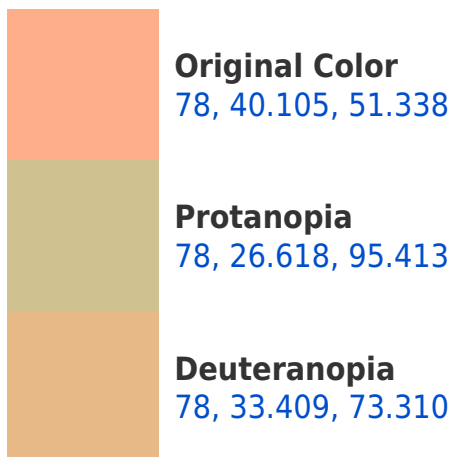


This preview shows how white text looks on a background with the CIELCh color 78, 40.049, 51.346.

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
78, 33.427, 12.521

Trichromacy



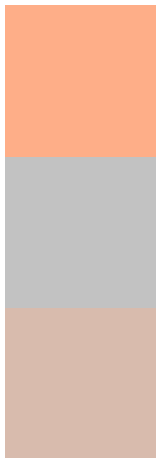
Original Color
78, 40.105, 51.338

Protanomaly
78, 28.912, 75.023

Deuteranomaly
78, 35.119, 64.018

Tritanomaly
78, 33.669, 28.473

Monochromacy



Original Color
78, 40.105, 51.338

Achromatopsia
78, 0.009, 296.813

Achromatomaly
78, 13.601, 53.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 40.049, 51.346 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, 174, 136)` looks like.

```
.text, #text, p{  
    color:rgb(254, 174, 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(254, 174, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 174, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 40.049, 51.346 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, 174, 136) }
```

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

```
.border{ border-color:rgb(254, 174, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 174, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 174, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 174, 136);  
box-shadow:4px 4px 4px 4px rgb(254, 174,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 40.049, 51.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 174, 136) }
```

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

```
.background{ background-color: rgb(254,  
174, 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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