

Converting Colors

CIELCh(68, 47.980, 37.276)

Have a look what the booklet for
CIELCh(68, 47.980, 37.276) contains.

CIELCh(68, 47.851, 37.809)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 47.851, 37.809)

Conversions

Conversions Part 1

Format	Color
Hex	F28973
RGB	242, 137, 115
RGB Percent	95%, 54%, 45%
CMY	0.0513, 0.4630, 0.5493
CMYK	0.00, 0.43, 0.52, 0.05
HSL	10°, 83%, 70%
HSV	10°, 52%, 95%
XYZ	48.6181, 37.9720, 20.9673
YIQ	165.8870, 69.6420, 15.4180

Conversions

Conversions Part 2

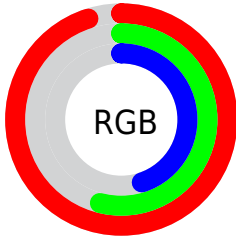
Format	Color
R _Y B	242, 142, 115
Decimal	15894899
CIE Lab	68.00, 37.81, 29.33
CIE LCh	68, 47.851, 37.809
Yxy	37.9720, 0.4520, 0.3530
Android (android.graphics.Color)	4294084979 (0xFFFF28973)
YUV	165.8870, -25.0873, 66.7511
Hunter-Lab	61.6215, 32.9954, 22.9610

Details

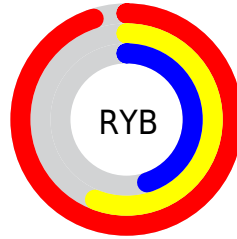
The CIELCh color **68, 47.851, 37.809** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82, 31.708, 219.325**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 28.853, 47.868**, and **48, 47.808, 37.548** is the 20% darker color. If you saturate the color by 10%, you get **64, 59.066, 38.783**, and if you desaturate by 10%, it is **73, 37.222, 37.119**.

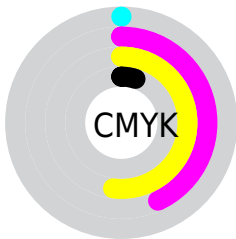
Distribution



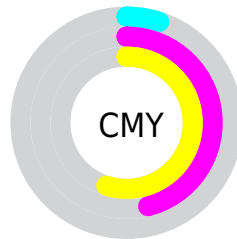
- Red (95%)
- Green (54%)
- Blue (45%)



- Red (95%)
- Yellow (56%)
- Blue (45%)



- Cyan (0%)
- Magenta (43%)
- Yellow (52%)
- Black (5%)



- Cyan (5%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 47.851, 37.809 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 68, 47.851, 37.809 by changing the saturation by 10% instead.

68, 47.851, 37.809

68, 47.851, 37.809

100, 47.851,
37.809

58, 47.851, 37.809

88, 47.851, 37.809

48, 47.851, 37.809

98, 47.851, 37.809

38, 47.851, 37.809

28, 47.851, 37.809

18, 47.851, 37.809

8, 47.851, 37.809

0, 47.851, 37.809

68, 47.851, 37.809

68, 47.851, 37.809

64, 59.066, 38.783

73, 37.222, 37.119

60, 70.607, 40.007

78, 27.302, 36.669

56, 81.878, 41.318

83, 18.116, 36.415

54, 91.560, 42.214

89, 9.646, 36.301

52, 96.874, 42.377

94, 1.844, 36.060

99, 4.509, 199.266

Harmonies

Complementary

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



68, 47.851, 37.809



82, 31.708, 219.325

Rectangle

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



68, 47.851, 37.809



68, 47.851, 87.809



68, 47.851, 217.809



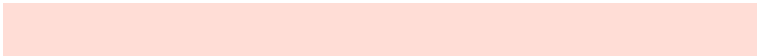
68, 47.851, 267.809

Sweetspot

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



68, 47.849, 37.813



91, 13.090, 36.330



67, 69.471, 332.760



47, 8.915, 36.352



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 47.849, 37.813



67, 62.289, 38.860



82, 47.868, 84.078



47, 4.301, 36.279



40, 78.357, 42.745



9, 26.594, 33.492

Inverse Universe

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



82, 31.708, 219.325



84, 37.174, 220.837



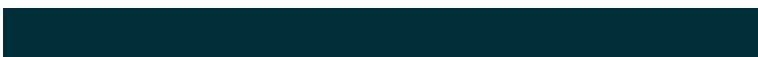
65, 47.743, 281.063



49, 4.049, 216.667



58, 34.041, 229.704



17, 14.869, 224.475

Previews

White Background



This preview shows how the CIELCh color 68, 47.851, 37.809 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 68, 47.851, 37.809 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 68, 47.851, 37.809

Background



This preview shows how black text looks on a background with the CIELCh color 68, 47.851, 37.809.

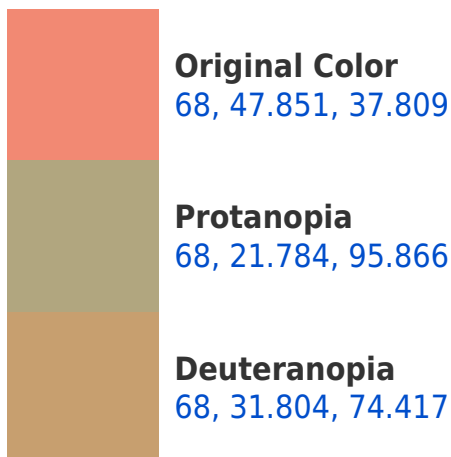


This preview shows how white text looks on a background with the CIELCh color 68, 47.851, 37.809.

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
68, 45.390, 17.670

Trichromacy



Original Color
68, 47.851, 37.809

Protanomaly
67, 26.686, 61.162

Deuteranomaly
68, 35.877, 57.033

Tritanomaly
68, 45.583, 24.862

Monochromacy



Original Color
68, 47.851, 37.809

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 16.444, 36.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 47.851, 37.809 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(242, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(242, 137, 115)  
}
```

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(242, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 137, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 47.851, 37.809 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(242, 137, 115) }
```

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

```
.border{ border-color:rgb(242, 137, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 137, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(242, 137,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 47.851, 37.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 137, 115) }
```

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

```
.background{ background-color: rgb(242,  
137, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor