

Converting Colors

CIELCh(72, 42.899, 47.788)

Have a look what the booklet for
CIELCh(72, 42.899, 47.788) contains.

CIELCh(72, 42.965, 47.785)	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(72, 42.965, 47.785)

Conversions

Conversions Part 1

Format	Color
Hex	F29B78
RGB	242, 155, 120
RGB Percent	95%, 61%, 47%
CMY	0.0511, 0.3923, 0.5295
CMYK	0.00, 0.36, 0.50, 0.05
HSL	17°, 82%, 71%
HSV	17°, 50%, 95%
XYZ	51.7108, 43.6590, 23.4618
YIQ	177.0230, 63.0870, 7.5590

Conversions

Conversions Part 2

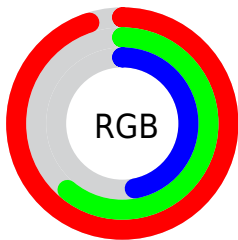
Format	Color
R _Y B	242, 169, 120
Decimal	15899512
CIE Lab	72.00, 28.87, 31.82
CIE LCh	72, 42.965, 47.785
Yxy	43.6590, 0.4352, 0.3674
Android (android.graphics.Color)	4294089592 (0xFFFF29B78)
YUV	177.0230, -28.1123, 56.9848
Hunter-Lab	66.0750, 24.0642, 25.1999

Details

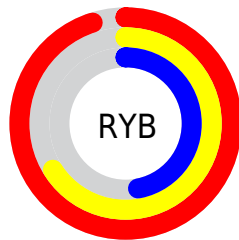
The CIELCh color **72, 42.965, 47.785** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **79, 30.455, 236.242**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 26.536, 66.221**, and **52, 43.119, 47.617** is the 20% darker color. If you saturate the color by 10%, you get **68, 53.434, 47.723**, and if you desaturate by 10%, it is **76, 33.114, 47.991**.

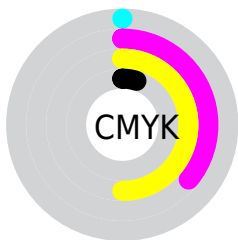
Distribution



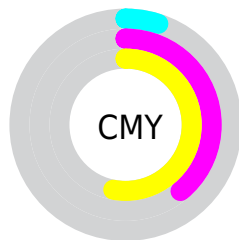
- Red (95%)
- Green (61%)
- Blue (47%)



- Red (95%)
- Yellow (66%)
- Blue (47%)



- Cyan (0%)
- Magenta (36%)
- Yellow (50%)
- Black (5%)



- Cyan (5%)
- Magenta (39%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 42.965, 47.785 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 72, 42.965, 47.785 by changing the saturation by 10% instead.

72, 42.965, 47.785

72, 42.965, 47.785

100, 42.965,
47.785

62, 42.965, 47.785

92, 42.965, 47.785

52, 42.965, 47.785

42, 42.965, 47.785

32, 42.965, 47.785

22, 42.965, 47.785

12, 42.965, 47.785

2, 42.965, 47.785

0, 42.965, 47.785

72, 42.965, 47.785

72, 42.965, 47.785

68, 53.434, 47.723

76, 33.114, 47.991

64, 64.337, 47.758

81, 23.945, 48.320

61, 75.197, 47.757

86, 15.446, 48.753

58, 84.966, 47.359

90, 7.579, 49.245

55, 92.073, 46.276

95, 0.288, 47.869

99, 4.494, 199.268

Harmonies

Complementary

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



72, 42.965, 47.785



79, 30.455, 236.242

Rectangle

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



72, 42.965, 47.785



72, 42.965, 97.785



72, 42.965, 227.785



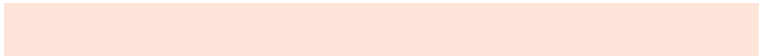
72, 42.965, 277.785

Sweetspot

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



72, 42.963, 47.789



92, 11.594, 49.015



67, 62.073, 337.494



48, 7.976, 48.910



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 42.963, 47.789



71, 56.444, 47.723



87, 50.164, 93.215



48, 4.088, 49.291



42, 74.375, 46.829



11, 24.994, 41.107

Inverse Universe

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



79, 30.455, 236.242



80, 36.578, 238.880



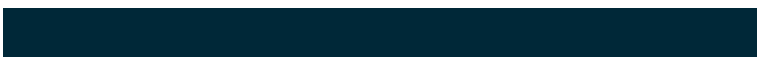
63, 53.583, 288.054



48, 3.878, 230.692



51, 37.497, 253.613



14, 15.554, 245.616

Previews

White Background



This preview shows how the CIELCh color 72, 42.965, 47.785 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 72, 42.965, 47.785 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 72, 42.965, 47.785

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.965, 47.785.

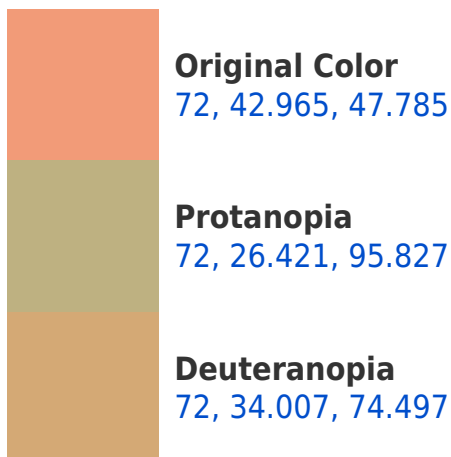


This preview shows how white text looks on a background with the CIELCh color 72, 42.965, 47.785.

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
72, 38.567, 13.822

Trichromacy



Original Color
72, 42.965, 47.785

Protanomaly
72, 29.099, 72.298

Deuteranomaly
72, 36.254, 63.215

Tritanomaly
72, 38.503, 26.968

Monochromacy



Original Color
72, 42.965, 47.785

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 14.661, 48.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.965, 47.785 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, 155, 120)` looks like.

```
.text, #text, p{  
    color:rgb(242, 155, 120)  
}
```

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, 155, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 155, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.965, 47.785 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, 155, 120) }
```

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

```
.border{ border-color:rgb(242, 155, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 155, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 155, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 155, 120);  
box-shadow:4px 4px 4px 4px rgb(242, 155,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.965, 47.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 155, 120) }
```

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

```
.background{ background-color: rgb(242,  
155, 120) }
```

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