

Converting Colors

CIELCh(72, 42.678, 44.321)

Have a look what the booklet for
CIELCh(72, 42.678, 44.321) contains.

CIELCh(72, 42.678, 44.321)	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, 42.678, 44.321)

Conversions

Conversions Part 1

Format	Color
Hex	F49A7C
RGB	244, 154, 124
RGB Percent	96%, 60%, 49%
CMY	0.0443, 0.3970, 0.5147
CMYK	0.00, 0.37, 0.49, 0.04
HSL	15°, 84%, 72%
HSV	15°, 49%, 96%
XYZ	52.3460, 43.6590, 24.6573
YIQ	177.4900, 63.2700, 9.7500

Conversions

Conversions Part 2

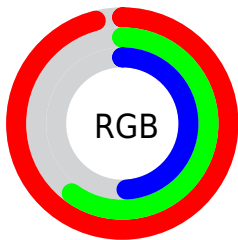
Format	Color
RYB	244, 164, 124
Decimal	16030332
CIELab	72.00, 30.53, 29.82
CIELCh	72, 42.678, 44.321
Yxy	43.6590, 0.4338, 0.3618
Android (android.graphics.Color)	4294220412 (0xFFFF49A7C)
YUV	177.4900, -26.3706, 58.3293
Hunter-Lab	66.0750, 25.7802, 24.1272

Details

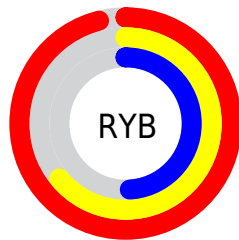
The CIELCh color **72, 42.678, 44.321** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **81, 29.908, 230.386**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 24.894, 61.923**, and **52, 42.369, 44.317** is the 20% darker color. If you saturate the color by 10%, you get **68, 53.355, 44.546**, and if you desaturate by 10%, it is **77, 32.655, 44.281**.

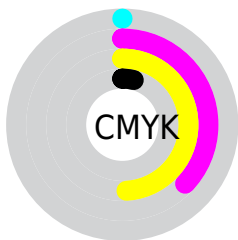
Distribution



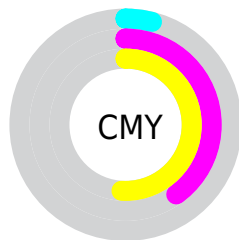
- Red (96%)
- Green (60%)
- Blue (49%)



- Red (96%)
- Yellow (64%)
- Blue (49%)



- Cyan (0%)
- Magenta (37%)
- Yellow (49%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (51%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 42.678, 44.321 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, 42.678, 44.321 by changing the saturation by 10% instead.

 72, 42.678, 44.321

 72, 42.678, 44.321

 100, 42.678,
44.321

 62, 42.678, 44.321

 92, 42.678, 44.321

 52, 42.678, 44.321

 42, 42.678, 44.321

 32, 42.678, 44.321

 22, 42.678, 44.321

 12, 42.678, 44.321

 2, 42.678, 44.321

 0, 42.678, 44.321

 72, 42.678, 44.321

 72, 42.678, 44.321

68, 53.355, 44.546

77, 32.655, 44.281

64, 64.517, 44.922

81, 23.346, 44.394

60, 75.727, 45.340

86, 14.738, 44.631

57, 85.996, 45.461

91, 6.790, 44.938

55, 93.762, 44.788

96, 0.557, 226.558

55, 94.320, 44.755

99, 3.897, 199.328

Harmonies

Complementary

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



72, 42.678, 44.321



81, 29.908, 230.386

Rectangle

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



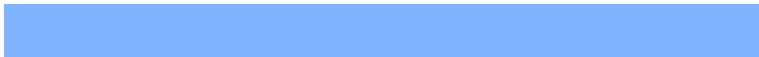
72, 42.678, 44.321



72, 42.678, 94.321



72, 42.678, 224.321



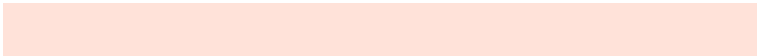
72, 42.678, 274.321

Sweetspot

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



72, 42.676, 44.325



92, 11.732, 44.757



68, 62.469, 335.909



48, 8.073, 44.692



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, 42.676, 44.325



71, 55.130, 44.543



86, 47.983, 91.023



48, 4.205, 44.930



42, 76.588, 45.235



11, 26.756, 39.065

Inverse Universe

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



81, 29.908, 230.386



82, 35.362, 232.416



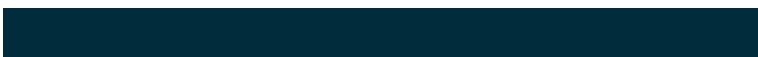
65, 50.259, 285.816



50, 3.976, 226.015



54, 36.122, 246.281



16, 15.581, 239.278

Previews

White Background



This preview shows how the CIELCh color 72, 42.678, 44.321 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, 42.678, 44.321 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, 42.678, 44.321

Background



This preview shows how black text looks on a background with the CIELCh color 72, 42.678, 44.321.

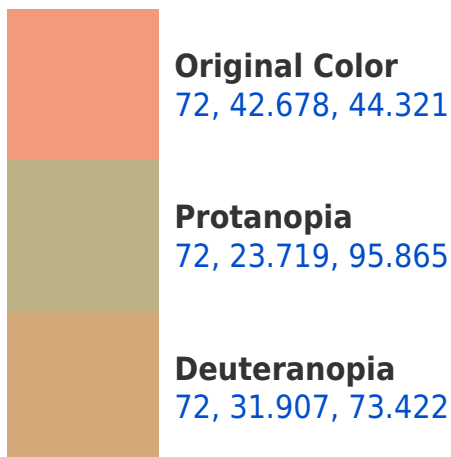


This preview shows how white text looks on a background with the CIELCh color 72, 42.678, 44.321.

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, 39.373, 14.885

Trichromacy



Original Color
72, 42.678, 44.321

Protanomaly
72, 27.300, 70.062

Deuteranomaly
72, 34.615, 60.067

Tritanomaly
72, 39.198, 26.208

Monochromacy



Original Color
72, 42.678, 44.321

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 14.108, 45.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 42.678, 44.321 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(244, 154, 124)` looks like.

```
.text, #text, p{  
    color:rgb(244, 154, 124)  
}
```

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(244, 154, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 154, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 42.678, 44.321 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(244, 154, 124) }
```

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

```
.border{ border-color:rgb(244, 154, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 154, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(244, 154,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 42.678, 44.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 154, 124) }
```

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

```
.background{ background-color: rgb(244,  
154, 124) }
```

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