

Converting Colors

CIELCh(77, 60.054, 18.933)

Have a look what the booklet for
CIELCh(77, 60.054, 18.933) contains.

CIELCh(72, 45.113, 14.732)	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, 45.113, 14.732)

Conversions

Conversions Part 1

Format	Color
Hex	FF909E
RGB	255, 144, 158
RGB Percent	100%, 56%, 62%
CMY	0.0000, 0.4369, 0.3821
CMYK	0.00, 0.44, 0.38, 0.00
HSL	352°, 100%, 78%
HSV	352°, 44%, 100%
XYZ	57.5262, 43.6590, 37.5489
YIQ	178.7850, 61.6620, 27.8860

Conversions

Conversions Part 2

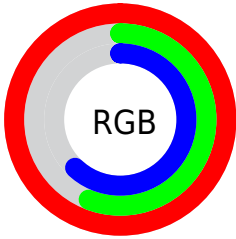
Format	Color
R_{YB}	255, 144, 158
Decimal	16748702
CIE _{Lab}	72.00, 43.63, 11.47
CIE _{LCh}	72, 45.113, 14.732
Yxy	43.6590, 0.4147, 0.3147
Android (android.graphics.Color)	4294938782 (0xFFFF909E)
YUV	178.7850, -10.2470, 66.8406
Hunter-Lab	66.0750, 39.7744, 12.5593

Details

The CIELCh color **72, 45.113, 14.732** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **93, 35.369, 185.354**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 21.986, 1.826**, and **52, 44.518, 14.442** is the 20% darker color. If you saturate the color by 10%, you get **67, 56.000, 16.896**, and if you desaturate by 10%, it is **78, 33.809, 12.878**.

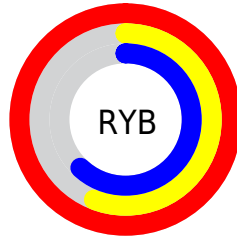
Distribution



Red (100%)

Green (56%)

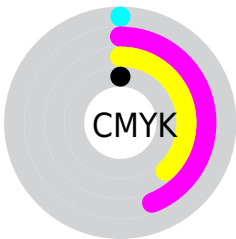
Blue (62%)



Red (100%)

Yellow (56%)

Blue (62%)

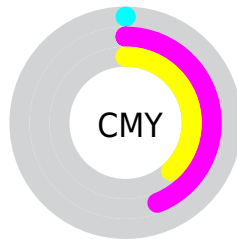


Cyan (0%)

Magenta (44%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (44%)

Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 45.113, 14.732 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, 45.113, 14.732 by changing the saturation by 10% instead.

 72, 45.113, 14.732

 72, 45.113, 14.732

 100, 45.113,
14.732

 62, 45.113, 14.732

 92, 45.113, 14.732


 52, 45.113, 14.732

 42, 45.113, 14.732

 32, 45.113, 14.732

 22, 45.113, 14.732

 12, 45.113, 14.732

 2, 45.113, 14.732

 0, 45.113, 14.732

 72, 45.113, 14.732

 72, 45.113, 14.732

67, 56.000, 16.896

78, 33.809, 12.878

62, 66.888, 19.758

84, 23.130, 11.461

58, 77.119, 23.364

91, 12.967, 10.297

55, 86.363, 27.727

97, 3.388, 9.214

54, 94.367, 32.562

100, 0.012,
296.813

53, 98.680, 35.418

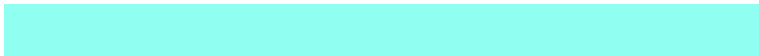
Harmonies

Complementary

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



72, 45.113, 14.732



93, 35.369, 185.354

Rectangle

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



72, 45.113, 14.732



72, 45.113, 64.732



72, 45.113, 194.732



72, 45.113, 244.732

Sweetspot

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



72, 44.853, 14.649



91, 12.287, 10.223



73, 66.932, 322.767



47, 8.657, 10.461



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, 44.853, 14.649



67, 54.124, 16.477



81, 37.137, 56.078



50, 5.315, 9.858



40, 78.726, 34.572



10, 32.432, 22.052

Inverse Universe

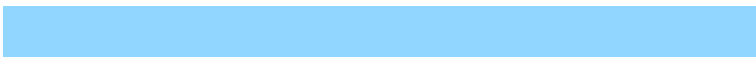
The Inverse Universe completely reimagines the original color for something new.



72, 44.853, 14.649



67, 54.124, 16.477



83, 29.279, 246.452



50, 5.315, 9.858



40, 78.726, 34.572



10, 32.432, 22.052

Previews

White Background



This preview shows how the CIELCh color 72, 45.113, 14.732 looks on a white background.

Color Contrast Check

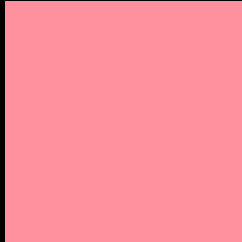
Large Text (above 18pt) WCAG AA × Fail

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, 45.113, 14.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

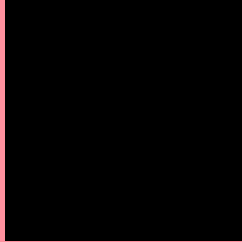
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 45.113, 14.732

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.113, 14.732.



This preview shows how white text looks on a background with the CIELCh color 72, 45.113, 14.732.

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

72, 44.673, 14.568

Protanopia

72, 1.593, 39.106

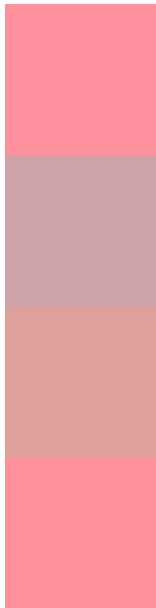
Deuteranopia

72, 15.915, 55.391



Tritanopia
72, 44.775, 16.618

Trichromacy



Original Color
72, 44.673, 14.568

Protanomaly
71, 16.945, 11.786

Deuteranomaly
71, 24.838, 27.783

Tritanomaly
72, 44.734, 15.936

Monochromacy



Original Color
72, 44.673, 14.568

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 16.204, 9.347

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.113, 14.732 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, 144, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 144, 158)  
}
```

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, 144, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 144, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.113, 14.732 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, 144, 158) }
```

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

```
.border{ border-color:rgb(255, 144, 158) }
```

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

Here you see how a box with a 4 pixel rgb(255, 144, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 144, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 144, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 144,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.113, 14.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 144, 158) }
```

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

```
.background{ background-color: rgb(255,  
144, 158) }
```

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