

Converting Colors

CIELCh(72, 45.645, 23.804)

Have a look what the booklet for
CIELCh(72, 45.645, 23.804) contains.

CIELCh(72, 45.223, 23.911)	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, 45.223, 23.911)

Conversions

Conversions Part 1

Format	Color
Hex	FF9191
RGB	255, 145, 145
RGB Percent	100%, 57%, 57%
CMY	0.0000, 0.4306, 0.4307
CMYK	0.00, 0.43, 0.43, 0.00
HSL	0°, 100%, 78%
HSV	0°, 43%, 100%
XYZ	56.5976, 43.6590, 32.3060
YIQ	177.8900, 65.5600, 23.3200

Conversions

Conversions Part 2

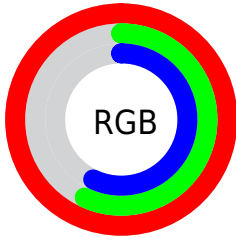
Format	Color
RYB	255, 145, 145
Decimal	16748945
CIELab	72.00, 41.34, 18.33
CIELCh	72, 45.223, 23.911
Yxy	43.6590, 0.4269, 0.3293
Android (android.graphics.Color)	4294939025 (0xFFFF9191)
YUV	177.8900, -16.2148, 67.6255
Hunter-Lab	66.0750, 37.2658, 17.2638

Details

The CIELCh color **72, 45.223, 23.911** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **94, 33.038, 197.398**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 20.960, 22.417**, and **52, 45.247, 23.610** is the 20% darker color. If you saturate the color by 10%, you get **66, 57.251, 25.935**, and if you desaturate by 10%, it is **78, 33.480, 22.354**.

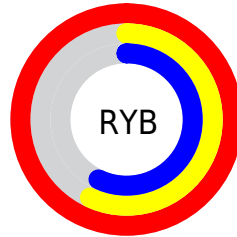
Distribution



Red (100%)

Green (57%)

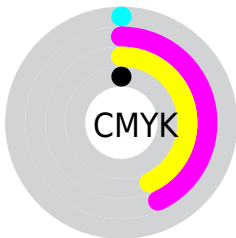
Blue (57%)



Red (100%)

Yellow (57%)

Blue (57%)

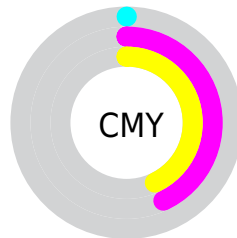


Cyan (0%)

Magenta (43%)

Yellow (43%)

Black (0%)



Cyan (0%)

Magenta (43%)

Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 45.223, 23.911 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, 45.223, 23.911 by changing the saturation by 10% instead.

 72, 45.223, 23.911

 72, 45.223, 23.911

 100, 45.223,
23.911

 62, 45.223, 23.911

 92, 45.223, 23.911

 52, 45.223, 23.911

 42, 45.223, 23.911

 32, 45.223, 23.911

 22, 45.223, 23.911

 12, 45.223, 23.911

 2, 45.223, 23.911

 0, 45.223, 23.911

 72, 45.223, 23.911

 72, 45.223, 23.911

66, 57.251, 25.935

78, 33.480, 22.354

62, 69.514, 28.550

84, 22.488, 21.167

58, 81.473, 31.777

91, 12.245, 20.242

55, 92.436, 35.388

98, 2.761, 19.361

54, 100.931,
38.566

100, 0.012,
296.813

53, 104.574,
40.001

Harmonies

Complementary

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



72, 45.223, 23.911



94, 33.038, 197.398

Rectangle

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



72, 45.223, 23.911



72, 45.223, 73.911



72, 45.223, 203.911



72, 45.223, 253.911

Sweetspot

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



72, 45.133, 23.906



91, 12.181, 20.236



75, 67.828, 326.743



47, 8.599, 20.423



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, 45.133, 23.906



67, 55.947, 25.693



84, 37.137, 69.982



49, 5.253, 19.953



40, 84.228, 40.001



10, 33.365, 27.182

Inverse Universe

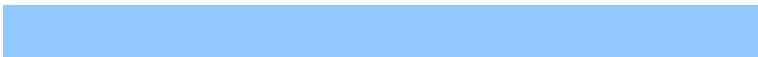
The Inverse Universe completely reimagines the original color for something new.



94, 33.038, 197.398



93, 38.006, 197.102



79, 32.764, 263.182



52, 4.945, 198.973



70, 40.358, 196.404



24, 18.567, 196.402

Previews

White Background



This preview shows how the CIELCh color 72, 45.223, 23.911 looks on a white background.

Color Contrast Check

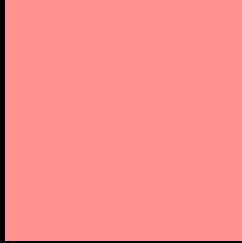
Large Text (above 18pt) WCAG AA × Fail

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, 45.223, 23.911 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, 45.223, 23.911

Background



This preview shows how black text looks on a background with the CIELCh color 72, 45.223, 23.911.



This preview shows how white text looks on a background with the CIELCh color 72, 45.223, 23.911.

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, 45.223, 23.911

Protanopia

72, 8.696, 88.370

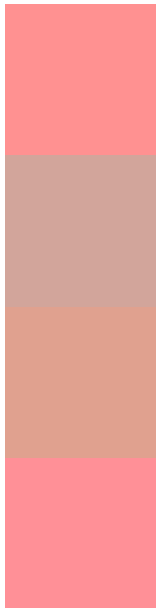
Deuteranopia

72, 21.804, 65.787



Tritanopia
72, 44.775, 16.618

Trichromacy



Original Color
72, 45.223, 23.911

Protanomaly
72, 18.981, 37.337

Deuteranomaly
72, 28.132, 41.506

Tritanomaly
72, 45.011, 19.331

Monochromacy



Original Color
72, 45.223, 23.911

Achromatopsia
73, 0.009, 296.813

Achromatomaly
72, 15.682, 20.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 45.223, 23.911 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, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 145)  
}
```

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, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 45.223, 23.911 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, 145, 145) }
```

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

```
.border{ border-color:rgb(255, 145, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 45.223, 23.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 145) }
```

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

```
.background{ background-color: rgb(255,  
145, 145) }
```

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