

# Converting Colors

CIELCh(72, 24.986, 314.437)

Have a look what the booklet for  
CIELCh(72, 24.986, 314.437)  
contains.

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# **Color**

**CIELCh(72, 24.911, 314.746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2A7D1
RGB	194, 167, 209
RGB Percent	76%, 65%, 82%
CMY	0.2396, 0.3454, 0.1808
CMYK	0.07, 0.20, 0.00, 0.18
HSL	279°, 31%, 74%
HSV	279°, 20%, 82%
XYZ	47.5223, 43.6590, 66.1819
YIQ	179.8610, 2.6100, 18.7860

# Conversions

## Conversions Part 2

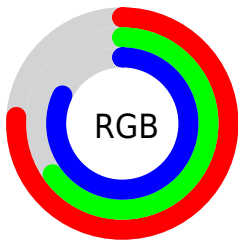
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 167, 209
Decimal	12756945
CIELab	72.00, 17.54, -17.69
CIElCh	72, 24.911, 314.746
Yxy	43.6590, 0.3020, 0.2774
Android (android.graphics.Color)	4290947025 (0xFFC2A7D1)
YUV	179.8610, 14.3655, 12.3999
Hunter-Lab	66.0750, 12.7491, -13.1335

# Details

The CIELCh color  $72, 24.911, 314.746$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $81, 24.451, 133.010$ , and the grayscale version is  $73, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 19.918, 321.720$ , and  $52, 24.577, 314.897$  is the 20% darker color. If you saturate the color by 10%, you get  $66, 37.621, 315.195$ , and if you desaturate by 10%, it is  $78, 12.383, 314.302$ .

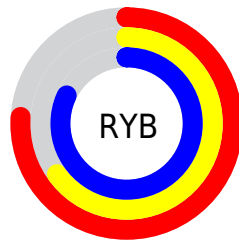
# Distribution



Red (76%)

Green (65%)

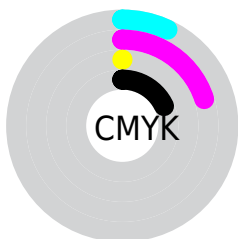
Blue (82%)



Red (76%)

Yellow (65%)

Blue (82%)

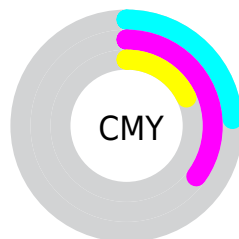


Cyan (7%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (24%)

Magenta (35%)


Yellow (18%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 24.911, 314.746 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, 24.911, 314.746 by changing the saturation by 10% instead.




 72, 24.911,  
314.746

 72, 24.911,  
314.746

 100, 24.911,  
314.746


 62, 24.911,  
314.746


 92, 24.911,  
314.746


 52, 24.911,  
314.746

 42, 24.911,  
314.746

 32, 24.911,  
314.746

 22, 24.911,  
314.746

 12, 24.911,  
314.746

 2, 24.911, 314.746

0, 24.911, 314.746

72, 24.911,  
314.746

72, 24.911,  
314.746

66, 37.621,  
315.195

78, 12.383,  
314.302

61, 50.360,  
315.635

84, 0.133, 312.628

55, 62.866,  
316.035

90, 11.795,  
133.531

50, 74.745,  
316.353

96, 23.379,  
133.171

46, 85.437,  
316.529

97, 24.991,  
128.811

42, 94.252,  
316.489

98, 24.124,  
122.853

39, 100.519,  
316.155

98, 23.544,  
116.433

37, 104.238,  
315.537

99, 23.288,  
109.698

99, 23.278,  
108.413

# Harmonies

# Complementary

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



72, 24.911, 314.746



81, 24.451, 133.010

# Rectangle

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



72, 24.911, 314.746



72, 24.911, 4.746



72, 24.911, 134.746



72, 24.911, 184.746

# Sweetspot

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



72, 24.909, 314.745



96, 8.608, 314.123



74, 15.196, 271.281



51, 5.713, 314.152



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, 24.909, 314.745



83, 35.100, 314.933



73, 24.961, 329.493



41, 6.955, 314.271



30, 88.654, 315.695



3, 27.791, 313.403



# Inverse Universe

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



73, 17.869, 354.102



84, 25.226, 354.597



80, 24.905, 146.956



41, 4.960, 352.941



35, 62.700, 15.372

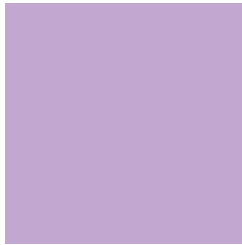


5, 20.748, 2.547



# Previews

## White Background



This preview shows how the CIELCh color 72, 24.911, 314.746 looks on a white background.

## Color Contrast Check

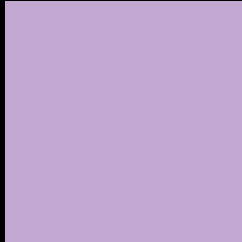
Large Text (above 18pt) WCAG AA × Fail

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, 24.911, 314.746 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, 24.911, 314.746**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 24.911, 314.746.



This preview shows how white text looks on a background with the CIELCh color 72, 24.911, 314.746.

# 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, 24.911, 314.746


### Protanopia

72, 21.313, 285.869

### Deuteranopia

72, 19.838, 299.100





**Tritanopia**  
72, 10.440, 333.462

# Trichromacy



**Original Color**  
72, 24.911, 314.746

**Protanomaly**  
72, 21.927, 296.753

**Deuteranomaly**  
72, 21.394, 305.364

**Tritanomaly**  
72, 15.226, 321.572

# Monochromacy



**Original Color**  
72, 24.911, 314.746

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
73, 9.486, 313.641

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 24.911, 314.746 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(194, 167, 209)` looks like.

```
.text, #text, p{  
    color:rgb(194, 167, 209)  
}
```

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(194, 167, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 167, 209) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 24.911, 314.746 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(194, 167, 209) }
```

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

```
.border{ border-color:rgb(194, 167, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 167, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 167, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 167, 209);  
box-shadow:4px 4px 4px 4px rgb(194, 167,  
209) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 24.911, 314.746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 167, 209) }
```

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

```
.background{ background-color: rgb(194,  
167, 209) }
```

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](#).

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