

# Converting Colors

CIELCh(72, 14.727, 321.376)

Have a look what the booklet for  
CIELCh(72, 14.727, 321.376)  
contains.

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# Color

**CIELCh(72, 14.578, 321.391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEAAC1
RGB	190, 170, 193
RGB Percent	75%, 67%, 76%
CMY	0.2541, 0.3325, 0.2423
CMYK	0.02, 0.12, 0.00, 0.24
HSL	292°, 16%, 71%
HSV	292°, 12%, 76%
XYZ	45.3487, 43.6590, 56.6105
YIQ	178.6020, 4.5370, 11.3930

# Conversions

## Conversions Part 2

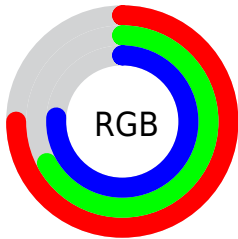
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	190, 170, 193
Decimal	12495553
CIE Lab	72.00, 11.39, -9.10
CIE LCh	72, 14.578, 321.391
Yxy	43.6590, 0.3114, 0.2998
Android (android.graphics.Color)	4290685633 (0xFFBEAAC1)
YUV	178.6020, 7.0982, 9.9960
Hunter-Lab	66.0750, 6.8773, -4.5449

# Details

The CIELCh color  $72, 14.578, 321.391$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $76, 14.513, 140.265$ , and the grayscale version is  $73, 0.009, 296.813$ .

A 20% lighter version of the original color is  $92, 14.501, 321.445$ , and  $52, 14.310, 322.550$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 26.967, 321.867$ , and if you desaturate by 10%, it is  $77, 2.319, 320.843$ .

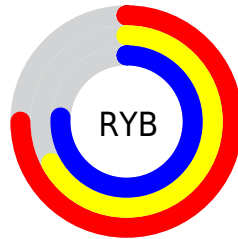
# Distribution



Red (75%)

Green (67%)

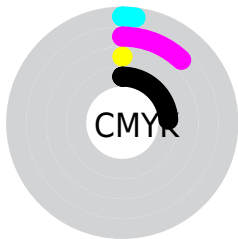
Blue (76%)



Red (75%)

Yellow (67%)

Blue (76%)

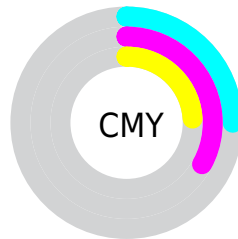


Cyan (2%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (25%)

Magenta (33%)


Yellow (24%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 14.578, 321.391 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, 14.578, 321.391 by changing the saturation by 10% instead.





 72, 14.578,  
321.391


 72, 14.578,  
321.391


 100, 14.578,  
321.391


 62, 14.578,  
321.391


 92, 14.578,  
321.391

 52, 14.578,  
321.391

 42, 14.578,  
321.391

 32, 14.578,  
321.391

 22, 14.578,  
321.391

 12, 14.578,  
321.391

 2, 14.578, 321.391

0, 14.578, 321.391

72, 14.578,  
321.391

72, 14.578,  
321.391

67, 26.967,  
321.867

77, 2.319, 320.843

82, 9.699, 140.507

62, 39.325,  
322.328

88, 21.417,  
140.060

58, 51.400,  
322.756

93, 32.805,  
139.646

53, 62.839,  
323.128

95, 36.845,  
138.815

50, 73.189,  
323.414

95, 36.375,  
137.676

47, 81.927,  
323.582

95, 35.918,

■ 44, 88.557,  
323.598

136.497

■ 42, 92.762,  
323.438

■ 96, 35.474,  
135.280

■ 42, 94.727,  
323.202

■ 96, 35.045,  
134.022

# Harmonies

# Complementary

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



72, 14.578, 321.391



76, 14.513, 140.265

# Rectangle

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



72, 14.578, 321.391



72, 14.578, 11.391



72, 14.578, 141.391



72, 14.578, 191.391

# Sweetspot

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



72, 14.576, 321.391



96, 6.001, 320.994



71, 10.920, 285.510



51, 4.266, 321.036



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



72, 14.576, 321.391



89, 21.157, 321.502



72, 11.723, 337.954



38, 6.945, 321.267



34, 82.605, 323.268



3, 22.665, 320.574



# Inverse Universe

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



72, 8.955, 9.698



89, 13.070, 9.940



76, 11.628, 156.248



38, 4.242, 9.438



33, 68.470, 33.607

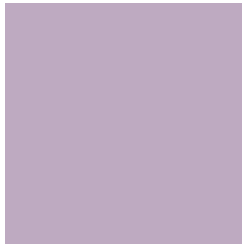


3, 14.131, 12.318



# Previews

## White Background



This preview shows how the CIELCh color 72, 14.578, 321.391 looks on a white background.

## Color Contrast Check

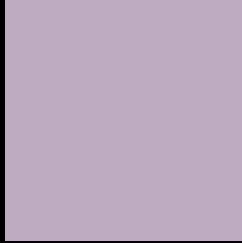
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 72, 14.578, 321.391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

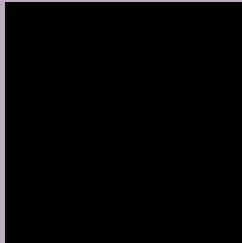
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 72, 14.578, 321.391**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 72, 14.578, 321.391.



This preview shows how white text looks on a background with the CIELCh color 72, 14.578, 321.391.

# 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, 14.578, 321.391


### Protanopia

72, 11.444, 289.512

### Deuteranopia

72, 12.590, 315.106





**Tritanopia**  
72, 9.532, 332.332

# Trichromacy



**Original Color**  
72, 14.578, 321.391

**Protanomaly**  
72, 12.302, 303.132

**Deuteranomaly**  
72, 13.565, 318.466

**Tritanomaly**  
72, 11.453, 326.474

# Monochromacy



**Original Color**  
72, 14.578, 321.391

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
73, 5.096, 321.166

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 14.578, 321.391 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(190, 170, 193)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 193)  
}
```

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(190, 170, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 193) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 14.578, 321.391 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(190, 170, 193) }
```

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

```
.border{ border-color:rgb(190, 170, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 193);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
193) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 14.578, 321.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 193) }
```

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

```
.background{ background-color: rgb(190,  
170, 193) }
```

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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