

# Converting Colors

CIELCh(72, 30.754, 345.457)

Have a look what the booklet for  
CIELCh(72, 30.754, 345.457)  
contains.

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# Color

**CIELCh(72, 30.590, 345.551)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DF9DBF
RGB	223, 157, 191
RGB Percent	87%, 62%, 75%
CMY	0.1248, 0.3836, 0.2503
CMYK	0.00, 0.30, 0.14, 0.12
HSL	329°, 51%, 75%
HSV	329°, 30%, 88%
XYZ	51.9977, 43.6590, 55.0786
YIQ	180.6100, 28.4220, 24.5660

# Conversions

## Conversions Part 2

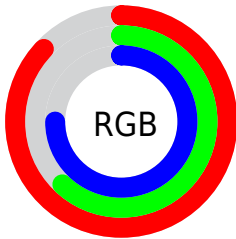
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 157, 191
Decimal	14654911
CIE <sub>Lab</sub>	72.00, 29.62, -7.63
CIE <sub>LCh</sub>	72, 30.590, 345.551
Yxy	43.6590, 0.3450, 0.2896
Android (android.graphics.Color)	4292844991 (0xFFDF9DBF)
YUV	180.6100, 5.1223, 37.1760
Hunter-Lab	66.0750, 24.8394, -3.1703

# Details

The CIELCh color  $72, 30.590, 345.551$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $84, 29.570, 160.124$ , and the grayscale version is  $74, 0.009, 296.813$ .

A 20% lighter version of the original color is  $89, 23.706, 331.090$ , and  $52, 30.645, 345.357$  is the 20% darker color. If you saturate the color by 10%, you get  $67, 40.894, 346.714$ , and if you desaturate by 10%, it is  $78, 20.128, 344.527$ .

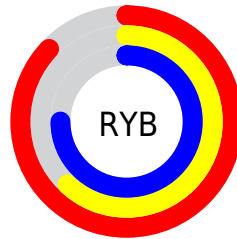
# Distribution



Red (87%)

Green (62%)

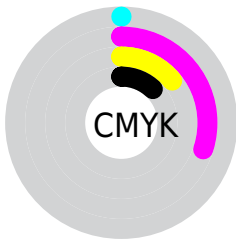
Blue (75%)



Red (87%)

Yellow (62%)

Blue (75%)

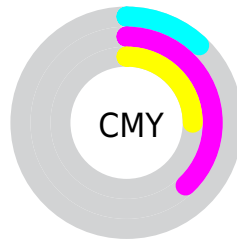


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (12%)



Cyan (12%)

Magenta (38%)


Yellow (25%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 30.590, 345.551 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, 30.590, 345.551 by changing the saturation by 10% instead.





 72, 30.590,  
345.551


 72, 30.590,  
345.551


 100, 30.590,  
345.551


 62, 30.590,  
345.551


 92, 30.590,  
345.551

 52, 30.590,  
345.551

 42, 30.590,  
345.551

 32, 30.590,  
345.551

 22, 30.590,  
345.551

 12, 30.590,  
345.551

 2, 30.590, 345.551

0, 30.590, 345.551

72, 30.590,  
345.551

72, 30.590,  
345.551

67, 40.894,  
346.714

78, 20.128,  
344.527

62, 50.709,  
348.060

83, 9.746, 343.594

58, 59.578,  
349.661

89, 0.419, 163.852

95, 10.290,  
162.106

54, 66.965,  
351.617

98, 12.104,  
174.473

51, 72.367,  
354.062

98, 10.767,  
198.788

49, 75.499,  
357.156

■ 48, 76.707, 0.967

■ 48, 76.752, 1.135

# Harmonies

# Complementary

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



72, 30.590, 345.551



84, 29.570, 160.124

# Rectangle

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



72, 30.590, 345.551



72, 30.590, 35.551



72, 30.590, 165.551



72, 30.590, 215.551

# Sweetspot

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



72, 30.587, 345.552



94, 10.201, 343.548



70, 37.926, 309.958



49, 7.100, 343.681



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, 30.587, 345.552



78, 40.350, 346.193



71, 26.444, 20.600



44, 5.804, 343.583



38, 64.358, 0.412



6, 26.589, 353.604



# Inverse Universe

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



72, 30.587, 345.552



78, 40.350, 346.193



85, 21.733, 196.391



44, 5.804, 343.583



38, 64.358, 0.412

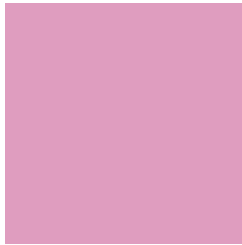


6, 26.589, 353.604



# Previews

## White Background



This preview shows how the CIELCh color 72, 30.590, 345.551 looks on a white background.

## Color Contrast Check

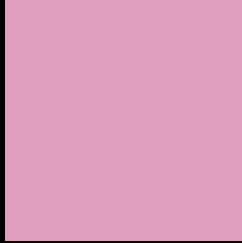
Large Text (above 18pt) WCAG AA × Fail

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, 30.590, 345.551 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

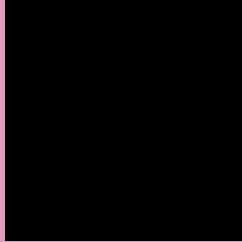
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 30.590, 345.551

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 30.590, 345.551.



This preview shows how white text looks on a background with the CIELCh color 72, 30.590, 345.551.

# 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, 30.590, 345.551

### Protanopia

72, 15.270, 287.729

### Deuteranopia

72, 11.231, 324.908





**Tritanopia**  
72, 24.611, 5.277

# Trichromacy



**Original Color**  
72, 30.590, 345.551

**Protanomaly**  
72, 18.262, 317.409

**Deuteranomaly**  
72, 17.793, 336.439

**Tritanomaly**  
72, 26.506, 356.744

# Monochromacy



**Original Color**  
72, 30.590, 345.551

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 11.451, 342.429

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 30.590, 345.551 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(223, 157, 191)` looks like.

```
.text, #text, p{  
    color:rgb(223, 157, 191)  
}
```

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(223, 157, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 157, 191) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 30.590, 345.551 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(223, 157, 191) }
```

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

```
.border{ border-color:rgb(223, 157, 191) }
```

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

Here you see how a box with a 4 pixel rgb(223, 157, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 157, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 157, 191);  
box-shadow:4px 4px 4px 4px rgb(223, 157,  
191) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 30.590, 345.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 157, 191) }
```

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

```
.background{ background-color: rgb(223,  
157, 191) }
```

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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