

# Converting Colors

CIELCh(72, 38.677, 330.194)

Have a look what the booklet for  
CIELCh(72, 38.677, 330.194)  
contains.

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**Color**

**CIELCh(72, 38.708, 330.202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD9BD4
RGB	221, 155, 212
RGB Percent	87%, 61%, 83%
CMY	0.1326, 0.3915, 0.1680
CMYK	0.00, 0.30, 0.04, 0.13
HSL	308°, 49%, 74%
HSV	308°, 30%, 87%
XYZ	53.5260, 43.6590, 68.0068
YIQ	181.2320, 21.0390, 31.7190

# Conversions

## Conversions Part 2

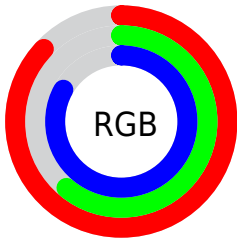
Format	Color
R <sub>Y</sub> B	221, 155, 212
Decimal	14523348
CIE Lab	72.00, 33.59, -19.24
CIE LCh	72, 38.708, 330.202
Yxy	43.6590, 0.3240, 0.2643
Android (android.graphics.Color)	4292713428 (0xFFDD9BD4)
YUV	181.2320, 15.1686, 34.8765
Hunter-Lab	66.0750, 28.9679, -14.7710

# Details

The CIELCh color `72, 38.708, 330.202` is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be `83, 38.632, 146.207`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 28.208, 325.407`, and `52, 38.413, 330.386` is the 20% darker color. If you saturate the color by 10%, you get `67, 51.274, 330.825`, and if you desaturate by 10%, it is `77, 25.754, 329.582`.

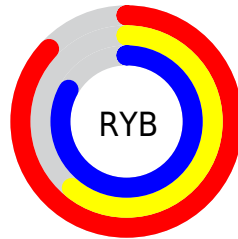
# Distribution



Red (87%)

Green (61%)

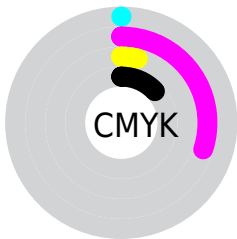
Blue (83%)



Red (87%)

Yellow (61%)

Blue (83%)

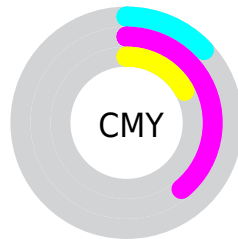


Cyan (0%)

Magenta (30%)

Yellow (4%)

Black (13%)



Cyan (13%)

Magenta (39%)


Yellow (17%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 38.708, 330.202 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, 38.708, 330.202 by changing the saturation by 10% instead.





 72, 38.708,  
330.202


 72, 38.708,  
330.202


 100, 38.708,  
330.202


 62, 38.708,  
330.202


 92, 38.708,  
330.202

 52, 38.708,  
330.202

 42, 38.708,  
330.202

 32, 38.708,  
330.202

 22, 38.708,  
330.202

 12, 38.708,  
330.202

 2, 38.708, 330.202

0, 38.708, 330.202

72, 38.708,  
330.202

72, 38.708,  
330.202

67, 51.274,  
330.825

77, 25.754,  
329.582

63, 63.050,  
331.446

83, 12.720,  
328.963

59, 73.520,  
332.062

88, 0.191, 150.039

56, 82.121,  
332.673

94, 12.852,  
147.851

53, 88.348,  
333.289

97, 18.642,  
148.965

52, 91.916,  
333.926

97, 17.464,  
152.140

■ 51, 93.148,  
334.603

■ 97, 16.341,  
155.747

■ 51, 93.162,  
334.613

■ 97, 15.287,  
159.855

■ 97, 14.316,  
164.530

# Harmonies

# Complementary

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



72, 38.708, 330.202



83, 38.632, 146.207

# Rectangle

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



72, 38.708, 330.202



72, 38.708, 20.202



72, 38.708, 150.202



72, 38.708, 200.202

# Sweetspot

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



72, 38.705, 330.202



94, 13.047, 328.914



67, 36.718, 298.250



49, 9.074, 329.006



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, 38.705, 330.202



78, 52.190, 330.604



71, 28.256, 354.686



43, 7.283, 328.937



40, 77.821, 334.494



7, 31.401, 333.214



# Inverse Universe

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



72, 38.705, 330.202



78, 52.190, 330.604



83, 26.396, 168.566



43, 7.283, 328.937



40, 77.821, 334.494



7, 31.401, 333.214



# Previews

## White Background



This preview shows how the CIELCh color 72, 38.708, 330.202 looks on a white background.

## Color Contrast Check

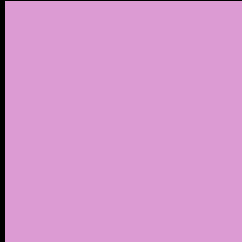
Large Text (above 18pt) WCAG AA × Fail

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, 38.708, 330.202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

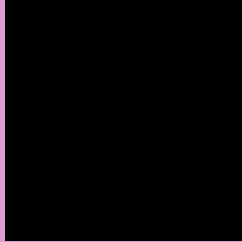
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 72, 38.708, 330.202

## Background



This preview shows how black text looks on a background with the CIELCh color 72, 38.708, 330.202.

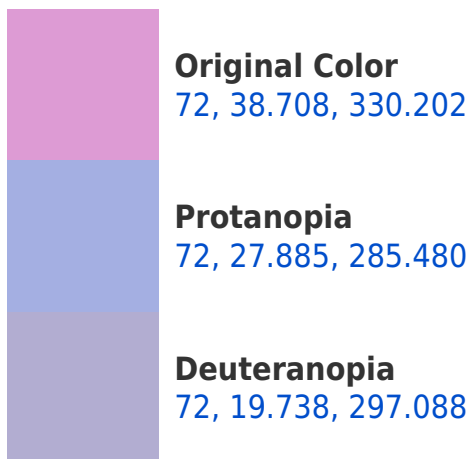


This preview shows how white text looks on a background with the CIELCh color 72, 38.708, 330.202.

# 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







**Tritanopia**  
72, 21.933, 2.870

# Trichromacy



**Original Color**  
72, 38.708, 330.202

**Protanomaly**  
72, 29.604, 304.093

**Deuteranomaly**  
72, 25.407, 314.278

**Tritanomaly**  
72, 26.716, 346.077

# Monochromacy



**Original Color**  
72, 38.708, 330.202

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
73, 14.061, 330.109

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 72, 38.708, 330.202 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(221, 155, 212)` looks like.

```
.text, #text, p{  
    color:rgb(221, 155, 212)  
}
```

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(221, 155, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 155, 212) }
```

## Border

The CSS property to change the border of an element to CIELCh 72, 38.708, 330.202 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(221, 155, 212) }
```

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

```
.border{ border-color:rgb(221, 155, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 155, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 155, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 155, 212);  
box-shadow:4px 4px 4px 4px rgb(221, 155,  
212) }
```

# Background

The CSS property to change the background color of an element to CIELCh 72, 38.708, 330.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 155, 212) }
```

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

```
.background{ background-color: rgb(221,  
155, 212) }
```

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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