

# Converting Colors

CIELCh(61, 37.033, 334.670)

Have a look what the booklet for  
CIELCh(61, 37.033, 334.670)  
contains.

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# Color

**CIELCh(61, 36.872, 334.384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C07EB0
RGB	192, 126, 176
RGB Percent	75%, 49%, 69%
CMY	0.2472, 0.5060, 0.3099
CMYK	0.00, 0.34, 0.08, 0.25
HSL	315°, 34%, 62%
HSV	315°, 34%, 75%
XYZ	37.0188, 29.2481, 44.7508
YIQ	151.4340, 23.2860, 29.5420

# Conversions

## Conversions Part 2

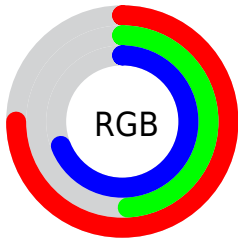
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 126, 176
Decimal	12615344
CIE <sub>Lab</sub>	61.00, 33.25, -15.94
CIE <sub>LCh</sub>	61, 36.872, 334.384
Yxy	29.2481, 0.3334, 0.2635
Android (android.graphics.Color)	4290805424 (0xFFC07EB0)
YUV	151.4340, 12.1110, 35.5764
Hunter-Lab	54.0815, 27.5406, -11.2036

# Details

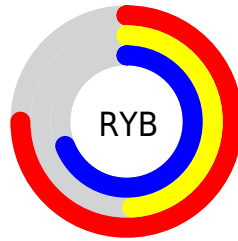
The CIELCh color  $61, 36.872, 334.384$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $72, 36.629, 149.303$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 36.693, 334.086$ , and  $41, 36.907, 334.437$  is the 20% darker color. If you saturate the color by 10%, you get  $57, 47.107, 335.143$ , and if you desaturate by 10%, it is  $66, 26.207, 333.662$ .

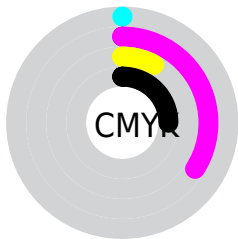
# Distribution



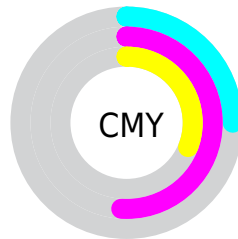
- Red (75%)
- Green (49%)
- Blue (69%)



- Red (75%)
- Yellow (49%)
- Blue (69%)



- Cyan (0%)
- Magenta (34%)
- Yellow (8%)
- Black (25%)




- Cyan (25%)
- Magenta (51%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 36.872, 334.384 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 61, 36.872, 334.384 by changing the saturation by 10% instead.





 61, 36.872,  
334.384


 61, 36.872,  
334.384


 100, 36.872,  
334.384


 51, 36.872,  
334.384


 81, 36.872,  
334.384

 41, 36.872,  
334.384

 91, 36.872,  
334.384

 31, 36.872,  
334.384

 21, 36.872,  
334.384

 11, 36.872,  
334.384

 1, 36.872, 334.384

 0, 36.872, 334.384

61, 36.872,  
334.384

61, 36.872,  
334.384

57, 47.107,  
335.143

66, 26.207,  
333.662

53, 56.533,  
335.948

70, 15.405,  
332.968

49, 64.679,  
336.814

75, 4.660, 332.268

47, 71.050,  
337.770

81, 5.903, 151.766

45, 75.241,  
338.854

86, 16.210,  
151.141


44, 77.093,  
340.119

91, 26.224,  
150.574

43, 77.472,  
340.896

95, 32.751,  
150.936

95, 30.967,  
153.816

 95, 29.255,  
157.023

# Harmonies

# Complementary

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



61, 36.872, 334.384



72, 36.629, 149.303

# Rectangle

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



61, 36.872, 334.384



61, 36.872, 24.384



61, 36.872, 154.384



61, 36.872, 204.384

# Sweetspot

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



61, 36.870, 334.384



92, 13.238, 332.680



56, 38.219, 302.002



48, 9.039, 332.777



99, 0.012, 296.813



52, 0.007, 296.813





# Same Dimension

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



61, 36.870, 334.384



74, 54.117, 334.933



60, 28.050, 2.281



38, 6.102, 332.626



36, 68.050, 340.686



4, 19.237, 336.869



# Inverse Universe

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



61, 36.870, 334.384



74, 54.117, 334.933



73, 25.001, 174.920



38, 6.102, 332.626



36, 68.050, 340.686

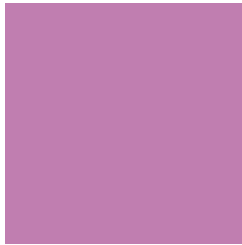


4, 19.237, 336.869



# Previews

## White Background



This preview shows how the CIELCh color 61, 36.872, 334.384 looks on a white background.

## Color Contrast Check

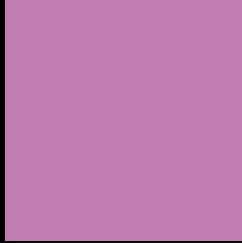
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 36.872, 334.384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

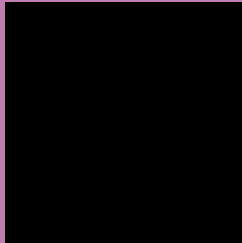
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 36.872, 334.384

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 36.872, 334.384.



This preview shows how white text looks on a background with the CIELCh color 61, 36.872, 334.384.

# 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**  
61, 23.214, 8.148

# Trichromacy



**Original Color**  
61, 36.872, 334.384

**Protanomaly**  
61, 26.749, 305.815

**Deuteranomaly**  
61, 23.340, 318.404

**Tritanomaly**  
61, 26.549, 352.206

# Monochromacy



**Original Color**  
61, 36.872, 334.384

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 13.687, 333.252

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 36.872, 334.384 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(192, 126, 176)` looks like.

```
.text, #text, p{  
    color:rgb(192, 126, 176)  
}
```

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(192, 126, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 126, 176) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 36.872, 334.384 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(192, 126, 176) }
```

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

```
.border{ border-color:rgb(192, 126, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 126, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 126, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 126, 176); box-shadow:4px 4px 4px 4px rgb(192, 126, 176) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 36.872, 334.384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 126, 176) }
```

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

```
.background{ background-color: rgb(192,  
126, 176) }
```

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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