

# Converting Colors

CIELCh(63, 37.577, 344.124)

Have a look what the booklet for  
CIELCh(63, 37.577, 344.124)  
contains.

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**Color**

**CIELCh(63, 37.783, 343.754)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE80AC
RGB	206, 128, 172
RGB Percent	81%, 50%, 67%
CMY	0.1917, 0.4976, 0.3251
CMYK	0.00, 0.38, 0.16, 0.19
HSL	326°, 44%, 66%
HSV	326°, 38%, 81%
XYZ	40.6754, 31.5869, 43.0373
YIQ	156.3380, 32.3640, 30.2200

# Conversions

## Conversions Part 2

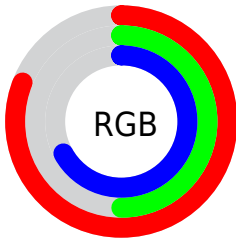
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	206, 128, 172
Decimal	13533356
CIE <sub>Lab</sub>	63.00, 36.27, -10.57
CIE <sub>LCh</sub>	63, 37.783, 343.754
Y <sub>xy</sub>	31.5869, 0.3528, 0.2740
Android (android.graphics.Color)	4291723436 (0xFFCE80AC)
YUV	156.3380, 7.7214, 43.5536
Hunter-Lab	56.2022, 30.8324, -6.0602

# Details

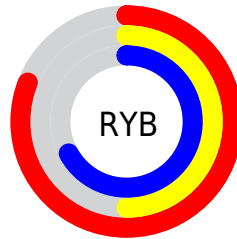
The CIELCh color  $63, 37.783, 343.754$  is a light color, and the websafe version is hex  $CC6699$ . A complement of this color would be  $77, 36.620, 156.810$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 35.195, 340.189$ , and  $43, 37.704, 343.516$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 47.295, 344.935$ , and if you desaturate by 10%, it is  $68, 27.827, 342.716$ .

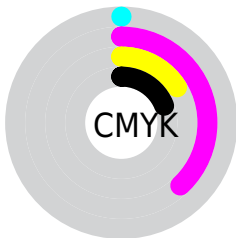
# Distribution



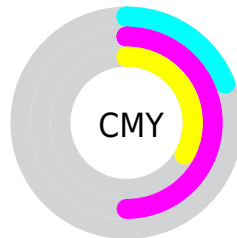
- Red (81%)
- Green (50%)
- Blue (67%)



- Red (81%)
- Yellow (50%)
- Blue (67%)



- Cyan (0%)
- Magenta (38%)
- Yellow (16%)
- Black (19%)




- Cyan (19%)
- Magenta (50%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.783, 343.754 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 63, 37.783, 343.754 by changing the saturation by 10% instead.





 63, 37.783,  
343.754


 63, 37.783,  
343.754


 100, 37.783,  
343.754


 53, 37.783,  
343.754


 83, 37.783,  
343.754

 43, 37.783,  
343.754

 93, 37.783,  
343.754

 33, 37.783,  
343.754

 23, 37.783,  
343.754

 13, 37.783,  
343.754

 3, 37.783, 343.754

 0, 37.783, 343.754

63, 37.783,  
343.754

63, 37.783,  
343.754

58, 47.295,  
344.935

68, 27.827,  
342.716

54, 55.956,  
346.309

73, 17.740,  
341.783

51, 63.262,  
347.952

79, 7.727, 340.914

48, 68.716,  
349.969

84, 2.086, 160.385

90, 11.628,  
159.522

46, 71.975,  
352.494

95, 20.865,  
158.851

45, 73.139,  
355.636

96, 19.842,  
167.095

45, 73.302,  
356.353

96, 17.598,  
179.590

■ 97, 16.336,  
194.769

# Harmonies

# Complementary

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



63, 37.783, 343.754



77, 36.620, 156.810

# Rectangle

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



63, 37.783, 343.754



63, 37.783, 33.754



63, 37.783, 163.754



63, 37.783, 213.754

# Sweetspot

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



63, 37.780, 343.755



93, 12.920, 341.197



60, 45.631, 308.796



49, 8.693, 341.315



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



63, 37.780, 343.755



73, 53.037, 344.650



62, 32.358, 17.966



40, 5.549, 341.048



36, 62.482, 355.750



4, 20.639, 349.464



# Inverse Universe

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



63, 37.780, 343.755



73, 53.037, 344.650



78, 25.676, 191.258



40, 5.549, 341.048



36, 62.482, 355.750

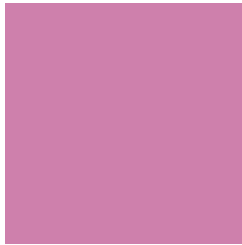


4, 20.639, 349.464



# Previews

## White Background



This preview shows how the CIELCh color 63, 37.783, 343.754 looks on a white background.

## Color Contrast Check

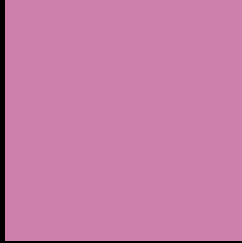
Large Text (above 18pt) WCAG AA × Fail

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 63, 37.783, 343.754 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

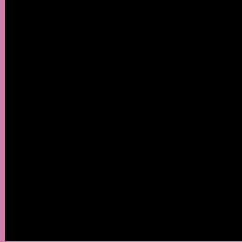
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 37.783, 343.754

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.783, 343.754.

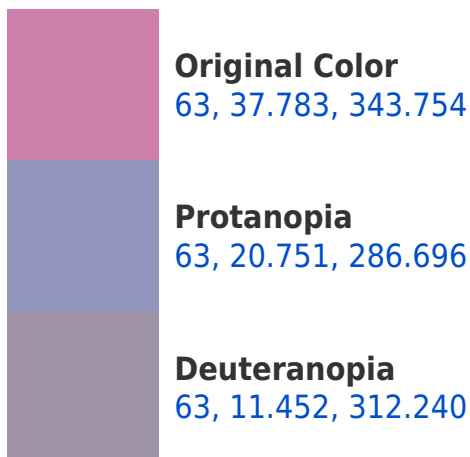


This preview shows how white text looks on a background with the CIELCh color 63, 37.783, 343.754.

# 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**  
63, 28.837, 10.511

# Trichromacy



**Original Color**  
63, 37.783, 343.754

**Protanomaly**  
63, 23.622, 313.903

**Deuteranomaly**  
63, 20.742, 332.604

**Tritanomaly**  
63, 31.220, 359.048

# Monochromacy



**Original Color**  
63, 37.783, 343.754

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
63, 13.986, 341.240

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 37.783, 343.754 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(206, 128, 172)` looks like.

```
.text, #text, p{  
    color:rgb(206, 128, 172)  
}
```

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(206, 128, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 128, 172) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 37.783, 343.754 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(206, 128, 172) }
```

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

```
.border{ border-color:rgb(206, 128, 172) }
```

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

Here you see how a box with a 4 pixel rgb(206, 128, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 128, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 128, 172);  
box-shadow:4px 4px 4px 4px rgb(206, 128,  
172) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 37.783, 343.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 128, 172) }
```

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

```
.background{ background-color: rgb(206,  
128, 172) }
```

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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