

# Converting Colors

CIELCh(67, 48.012, 343.669)

Have a look what the booklet for  
CIELCh(67, 48.012, 343.669)  
contains.

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**Color**

**CIELCh(67, 47.940, 343.904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E782BC
RGB	231, 130, 188
RGB Percent	91%, 51%, 74%
CMY	0.0937, 0.4898, 0.2624
CMYK	0.00, 0.44, 0.19, 0.09
HSL	326°, 68%, 71%
HSV	326°, 44%, 91%
XYZ	50.0714, 36.6320, 52.0638
YIQ	166.8110, 41.5780, 39.4500

# Conversions

## Conversions Part 2

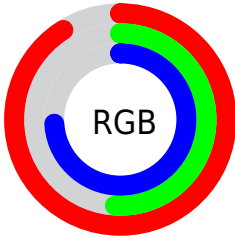
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 130, 188
Decimal	15172284
CIE Lab	67.00, 46.06, -13.29
CIE LCh	67, 47.940, 343.904
Yxy	36.6320, 0.3608, 0.2640
Android (android.graphics.Color)	4293362364 (0xFFE782BC)
YUV	166.8110, 10.4462, 56.2938
Hunter-Lab	60.5244, 41.7542, -8.6350

# Details

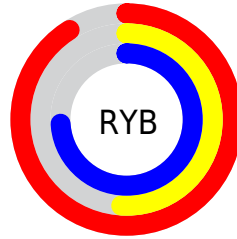
The CIELCh color  $67, 47.940, 343.904$  is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be  $84, 46.450, 155.583$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $83, 39.418, 330.772$ , and  $47, 48.016, 343.589$  is the 20% darker color. If you saturate the color by 10%, you get  $62, 57.899, 345.177$ , and if you desaturate by 10%, it is  $72, 37.208, 342.799$ .

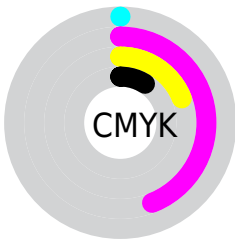
# Distribution



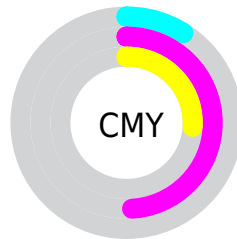
- Red (91%)
- Green (51%)
- Blue (74%)



- Red (91%)
- Yellow (51%)
- Blue (74%)



- Cyan (0%)
- Magenta (44%)
- Yellow (19%)
- Black (9%)



- Cyan (9%)
- Magenta (49%)
- Yellow (26%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 47.940, 343.904 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 67, 47.940, 343.904 by changing the saturation by 10% instead.



 67, 47.940,  
343.904


 67, 47.940,  
343.904

 100, 47.940,  
343.904

 57, 47.940,  
343.904

 87, 47.940,  
343.904

 47, 47.940,  
343.904

 97, 47.940,  
343.904

 37, 47.940,  
343.904

 27, 47.940,  
343.904

 17, 47.940,  
343.904

 7, 47.940, 343.904

 0, 47.940, 343.904

67, 47.940,  
343.904

67, 47.940,  
343.904

62, 57.899,  
345.177

72, 37.208,  
342.799

58, 66.565,  
346.680

78, 26.132,  
341.814

55, 73.362,  
348.504

83, 15.003,  
340.919

52, 77.817,  
350.770

89, 4.017, 340.036

51, 79.776,  
353.620

96, 6.714, 159.464

98, 9.245, 173.176

50, 80.090,  
355.699

98, 8.154, 198.971

# Harmonies

# Complementary

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



67, 47.940, 343.904



84, 46.450, 155.583

# Rectangle

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



67, 47.940, 343.904



67, 47.940, 33.904



67, 47.940, 163.904



67, 47.940, 213.904

# Sweetspot

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



67, 47.937, 343.905



92, 15.406, 340.865



62, 58.114, 308.664



48, 10.801, 341.057



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



67, 47.937, 343.905



69, 60.915, 344.984



66, 41.584, 17.797



45, 6.158, 340.555



39, 66.192, 355.061



7, 28.487, 349.541





# Inverse Universe

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



67, 47.937, 343.905



69, 60.915, 344.984



86, 31.954, 189.251



45, 6.158, 340.555



39, 66.192, 355.061



7, 28.487, 349.541



# Previews

## White Background



This preview shows how the CIELCh color 67, 47.940, 343.904 looks on a white background.

## Color Contrast Check

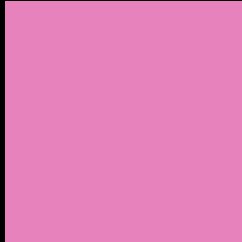
Large Text (above 18pt) WCAG AA × Fail

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 67, 47.940, 343.904 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 67, 47.940, 343.904

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 47.940, 343.904.

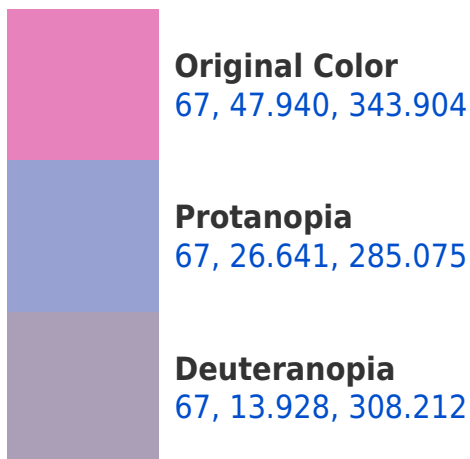


This preview shows how white text looks on a background with the CIELCh color 67, 47.940, 343.904.

# 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**  
67, 36.276, 14.760



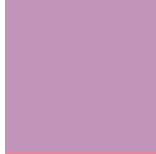
# Trichromacy



**Original Color**  
67, 47.940, 343.904



**Protanomaly**  
66, 30.794, 312.849



**Deuteranomaly**  
66, 26.109, 330.522

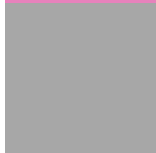


**Tritanomaly**  
67, 38.929, 0.901

# Monochromacy



**Original Color**  
67, 47.940, 343.904



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
67, 17.873, 340.904

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 47.940, 343.904 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(231, 130, 188)` looks like.

```
.text, #text, p{  
    color:rgb(231, 130, 188)  
}
```

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(231, 130, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 130, 188) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 47.940, 343.904 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(231, 130, 188) }
```

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

```
.border{ border-color:rgb(231, 130, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 130, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 130, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 130, 188); box-shadow:4px 4px 4px 4px rgb(231, 130, 188) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 47.940, 343.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 130, 188) }
```

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

```
.background{ background-color: rgb(231,  
130, 188) }
```

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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