

# Converting Colors

CIELCh(67, 70.326, 330.208)

Have a look what the booklet for  
CIELCh(67, 70.326, 330.208)  
contains.

<b>CIELCh(67, 70.306, 330.197)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

**Color**

**CIELCh(67, 70.306, 330.197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF75E3
RGB	239, 117, 227
RGB Percent	94%, 46%, 89%
CMY	0.0626, 0.5411, 0.1097
CMYK	0.00, 0.51, 0.05, 0.06
HSL	306°, 79%, 70%
HSV	306°, 51%, 94%
XYZ	55.8396, 36.6320, 76.8198
YIQ	166.0180, 37.4020, 60.0740

# Conversions

## Conversions Part 2

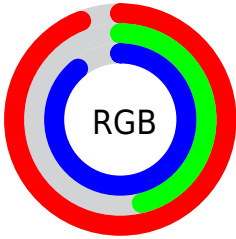
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 117, 227
Decimal	15693283
CIE <sub>Lab</sub>	67.00, 61.01, -34.94
CIE <sub>LCh</sub>	67, 70.306, 330.197
Yxy	36.6320, 0.3298, 0.2164
Android (android.graphics.Color)	4293883363 (0xFFEF75E3)
YUV	166.0180, 30.0641, 64.0052
Hunter-Lab	60.5244, 58.7660, -32.8861

# Details

The CIELCh color  $67, 70.306, 330.197$  is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be  $86, 70.809, 142.794$ , and the grayscale version is  $68, 0.008, 296.813$ .

A 20% lighter version of the original color is  $81, 51.272, 326.194$ , and  $47, 70.034, 330.130$  is the 20% darker color. If you saturate the color by 10%, you get  $63, 81.484, 330.744$ , and if you desaturate by 10%, it is  $72, 57.612, 329.626$ .

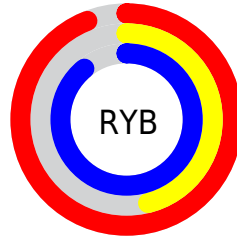
# Distribution



Red (94%)

Green (46%)

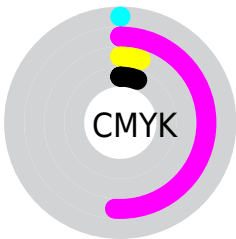
Blue (89%)



Red (94%)

Yellow (46%)

Blue (89%)

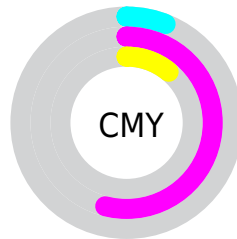


Cyan (0%)

Magenta (51%)

Yellow (5%)

Black (6%)



Cyan (6%)

Magenta (54%)


Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 70.306, 330.197 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, 70.306, 330.197 by changing the saturation by 10% instead.





 67, 70.306,  
330.197


 67, 70.306,  
330.197


 100, 70.306,  
330.197


 57, 70.306,  
330.197


 87, 70.306,  
330.197

 47, 70.306,  
330.197

 97, 70.306,  
330.197

 37, 70.306,  
330.197

 27, 70.306,  
330.197

 17, 70.306,  
330.197

 7, 70.306, 330.197

 0, 70.306, 330.197

67, 70.306,  
330.197

67, 70.306,  
330.197

63, 81.484,  
330.744

72, 57.612,  
329.626

60, 90.554,  
331.262

77, 43.977,  
329.039

57, 97.004,  
331.755

82, 29.862,  
328.443

56, 100.594,  
332.232

88, 15.612,  
327.844

55, 101.744,  
332.661

94, 1.466, 327.065

99, 9.066, 147.917

99, 8.150, 153.082

99, 7.314, 159.467

99, 6.587, 167.357



# Harmonies

# Complementary

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



67, 70.306, 330.197



86, 70.809, 142.794

# Rectangle

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



67, 70.306, 330.197



67, 70.306, 20.197



67, 70.306, 150.197



67, 70.306, 200.197

# Sweetspot

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



67, 70.303, 330.197



91, 22.400, 328.085



56, 69.694, 299.828



47, 15.294, 328.212



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, 70.303, 330.197



67, 85.759, 330.753



65, 52.558, 354.663



47, 8.047, 327.749



43, 83.593, 332.580



10, 36.884, 331.918



# Inverse Universe

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



67, 70.303, 330.197



67, 85.759, 330.753



87, 48.091, 162.769



47, 8.047, 327.749



43, 83.593, 332.580

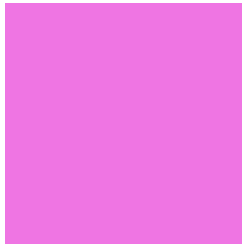


10, 36.884, 331.918



# Previews

## White Background



This preview shows how the CIELCh color 67, 70.306, 330.197 looks on a white background.

## Color Contrast Check

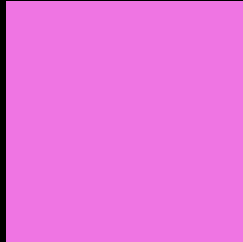
Large Text (above 18pt) WCAG AA × Fail

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, 70.306, 330.197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

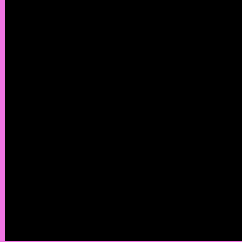
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 67, 70.306, 330.197

## Background



This preview shows how black text looks on a background with the CIELCh color 67, 70.306, 330.197.

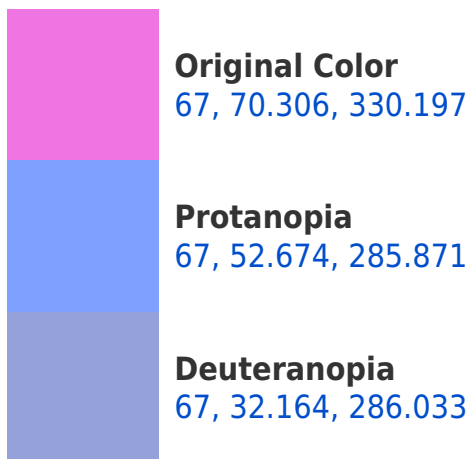


This preview shows how white text looks on a background with the CIELCh color 67, 70.306, 330.197.

# 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, 38.384, 15.518

# Trichromacy



**Original Color**  
67, 70.306, 330.197



**Protanomaly**  
66, 56.613, 302.893



**Deuteranomaly**  
66, 44.453, 309.727



**Tritanomaly**  
67, 45.820, 351.879

# Monochromacy



**Original Color**  
67, 70.306, 330.197



**Achromatopsia**  
68, 0.008, 296.813



**Achromatomaly**  
67, 27.577, 328.963

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 67, 70.306, 330.197 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(239, 117, 227)` looks like.

```
.text, #text, p{  
    color:rgb(239, 117, 227)  
}
```

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(239, 117, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 117, 227) }
```

## Border

The CSS property to change the border of an element to CIELCh 67, 70.306, 330.197 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(239, 117, 227) }
```

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

```
.border{ border-color:rgb(239, 117, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 117, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 117, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 117, 227);  
box-shadow:4px 4px 4px 4px rgb(239, 117,  
227) }
```

# Background

The CSS property to change the background color of an element to CIELCh 67, 70.306, 330.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 117, 227) }
```

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

```
.background{ background-color: rgb(239,  
117, 227) }
```

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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