

# Converting Colors

CIELCh(71, 58.116, 330.442)

Have a look what the booklet for  
CIELCh(71, 58.116, 330.442)  
contains.

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# Color

**CIELCh(71, 58.404, 330.381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EF8AE3
RGB	239, 138, 227
RGB Percent	94%, 54%, 89%
CMY	0.0618, 0.4580, 0.1089
CMYK	0.00, 0.42, 0.05, 0.06
HSL	307°, 76%, 74%
HSV	307°, 42%, 94%
XYZ	58.6896, 42.1875, 77.8837
YIQ	178.3450, 31.6270, 49.0910

# Conversions

## Conversions Part 2

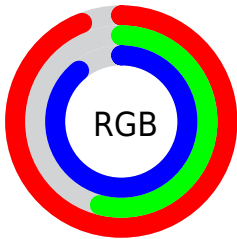
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">239, 138, 227</a>
Decimal	<a href="#">15698659</a>
CIELab	<a href="#">71.00, 50.77, -28.87</a>
CIELCh	<a href="#">71, 58.404, 330.381</a>
Yxy	<a href="#">42.1875, 0.3283, 0.2360</a>
Android (android.graphics.Color)	<a href="#">4293888739 (0xFFEF8AE3)</a>
YUV	<a href="#">178.3450, 23.9869, 53.1944</a>
Hunter-Lab	<a href="#">64.9519, 47.6241, -25.6281</a>

# Details

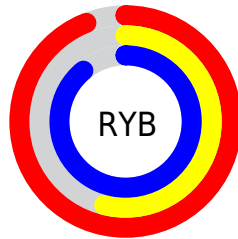
The CIELCh color **71, 58.404, 330.381** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **87, 58.504, 144.408**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 38.257, 325.753**, and **51, 58.457, 330.449** is the 20% darker color. If you saturate the color by 10%, you get **66, 70.786, 330.978**, and if you desaturate by 10%, it is **76, 45.023, 329.775**.

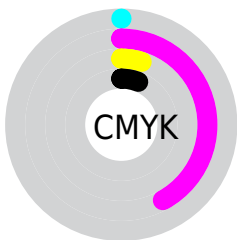
# Distribution



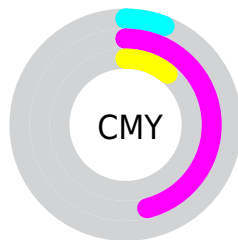
- Red (94%)
- Green (54%)
- Blue (89%)



- Red (94%)
- Yellow (54%)
- Blue (89%)



- Cyan (0%)
- Magenta (42%)
- Yellow (5%)
- Black (6%)




- Cyan (6%)
- Magenta (46%)
- Yellow (11%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 58.404, 330.381 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 71, 58.404, 330.381 by changing the saturation by 10% instead.





 71, 58.404,  
330.381


 71, 58.404,  
330.381


 100, 58.404,  
330.381


 61, 58.404,  
330.381


 91, 58.404,  
330.381

 51, 58.404,  
330.381

 41, 58.404,  
330.381

 31, 58.404,  
330.381

 21, 58.404,  
330.381

 11, 58.404,  
330.381

 1, 58.404, 330.381

0, 58.404, 330.381

71, 58.404,  
330.381

71, 58.404,  
330.381

66, 70.786,  
330.978

76, 45.023,  
329.775

63, 81.604,  
331.560

82, 31.126,  
329.164

59, 90.253,  
332.127

87, 17.066,  
328.554

57, 96.240,  
332.687

93, 3.089, 327.877

56, 99.363,  
333.254

99, 8.898, 148.186

99, 7.806, 154.748

55, 100.167,  
333.711

99, 6.843, 163.262

■ 99, 6.071, 174.208

■ 99, 5.572, 187.671

# Harmonies

# Complementary

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



71, 58.404, 330.381



87, 58.504, 144.408

# Rectangle

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



71, 58.404, 330.381



71, 58.404, 20.381



71, 58.404, 150.381



71, 58.404, 200.381

# Sweetspot

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



71, 58.401, 330.381



92, 19.122, 328.604



62, 56.743, 299.362



48, 13.394, 328.739



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



71, 58.401, 330.381



71, 72.993, 330.916



69, 43.172, 355.405



47, 7.933, 328.384



42, 82.266, 333.609



10, 36.378, 332.776



# Inverse Universe

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



71, 58.401, 330.381



71, 72.993, 330.916



88, 39.469, 165.995



47, 7.933, 328.384



42, 82.266, 333.609

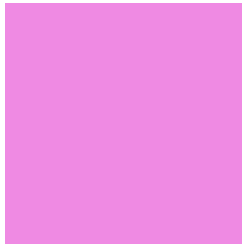


10, 36.378, 332.776



# Previews

## White Background



This preview shows how the CIELCh color 71, 58.404, 330.381 looks on a white background.

## Color Contrast Check

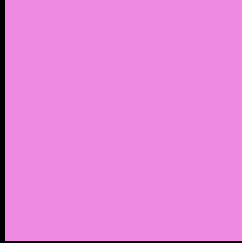
Large Text (above 18pt) WCAG AA × Fail

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 71, 58.404, 330.381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

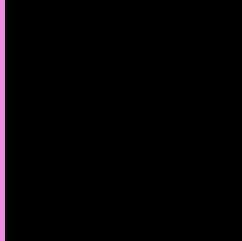
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 58.404, 330.381

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 58.404, 330.381.



This preview shows how white text looks on a background with the CIELCh color 71, 58.404, 330.381.

# 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**  
71, 31.722, 11.876

# Trichromacy



**Original Color**  
71, 58.404, 330.381



**Protanomaly**  
70, 47.221, 302.925



**Deuteranomaly**  
70, 37.024, 311.497



**Tritanomaly**  
71, 38.509, 350.429

# Monochromacy



**Original Color**  
71, 58.404, 330.381



**Achromatopsia**  
73, 0.009, 296.813



**Achromatomaly**  
72, 22.534, 328.578

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 58.404, 330.381 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, 138, 227)` looks like.

```
.text, #text, p{  
    color:rgb(239, 138, 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, 138, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 138, 227) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 58.404, 330.381 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, 138, 227) }
```

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

```
.border{ border-color:rgb(239, 138, 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, 138, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 138, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 138, 227);  
box-shadow:4px 4px 4px 4px rgb(239, 138,  
227) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 58.404, 330.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 138, 227) }
```

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

```
.background{ background-color: rgb(239,  
138, 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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