

Converting Colors

CIELCh(68, 76.849, 331.319)

Have a look what the booklet for
CIELCh(68, 76.849, 331.319)
contains.

CIELCh(68, 77.139, 331.295)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(68, 77.139, 331.295)

Conversions

Conversions Part 1

Format	Color
Hex	FB70EA
RGB	251, 112, 234
RGB Percent	98%, 44%, 92%
CMY	0.0163, 0.5613, 0.0829
CMYK	0.00, 0.55, 0.07, 0.02
HSL	307°, 94%, 71%
HSV	307°, 55%, 98%
XYZ	60.3405, 37.9720, 81.8854
YIQ	167.4690, 43.6820, 67.4100

Conversions

Conversions Part 2

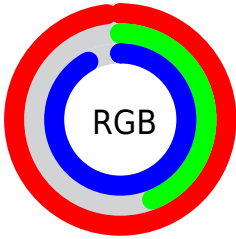
Format	Color
R _Y B	251, 112, 234
Decimal	16478442
CIE Lab	68.00, 67.66, -37.05
CIE LCh	68, 77.139, 331.295
Yxy	37.9720, 0.3349, 0.2107
Android (android.graphics.Color)	4294668522 (0xFFFB70EA)
YUV	167.4690, 32.7998, 73.2567
Hunter-Lab	61.6215, 66.9520, -35.6523

Details

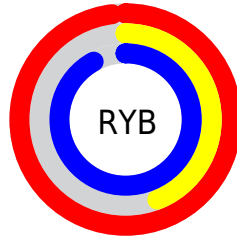
The CIELCh color **68, 77.139, 331.295** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **89, 77.965, 142.908**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 53.712, 326.276**, and **48, 77.324, 331.370** is the 20% darker color. If you saturate the color by 10%, you get **64, 87.668, 331.881**, and if you desaturate by 10%, it is **73, 64.763, 330.696**.

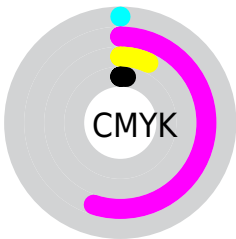
Distribution



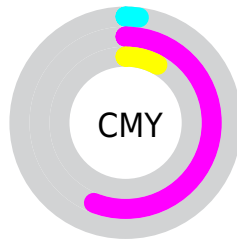
- Red (98%)
- Green (44%)
- Blue (92%)



- Red (98%)
- Yellow (44%)
- Blue (92%)



- Cyan (0%)
- Magenta (55%)
- Yellow (7%)
- Black (2%)



- Cyan (2%)
- Magenta (56%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 77.139, 331.295 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 68, 77.139, 331.295 by changing the saturation by 10% instead.

 68, 77.139,
331.295

 68, 77.139,
331.295

 100, 77.139,
331.295

 58, 77.139,
331.295

 88, 77.139,
331.295

 48, 77.139,
331.295

 98, 77.139,
331.295

 38, 77.139,
331.295

 28, 77.139,
331.295

 18, 77.139,
331.295

 8, 77.139, 331.295

 0, 77.139, 331.295

68, 77.139,
331.295

68, 77.139,
331.295

64, 87.668,
331.881

73, 64.763,
330.696

61, 95.750,
332.456

78, 51.169,
330.086

59, 100.945,
333.030

83, 36.888,
329.472

58, 103.185,
333.624

89, 22.332,
328.858

58, 103.525,
333.906

95, 7.791, 328.232

100, 2.012,
156.040

100, 1.440,
199.774

Harmonies

Complementary

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



68, 77.139, 331.295



89, 77.965, 142.908

Rectangle

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



68, 77.139, 331.295



68, 77.139, 21.295



68, 77.139, 151.295



68, 77.139, 201.295

Sweetspot

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



68, 77.136, 331.295



89, 24.989, 328.957



55, 79.258, 301.406



46, 16.724, 329.080



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 77.136, 331.295



65, 89.380, 331.919



66, 58.235, 357.878



49, 8.190, 328.494



44, 83.725, 333.795



11, 38.339, 333.010

Inverse Universe

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



68, 77.136, 331.295



65, 89.380, 331.919



90, 52.077, 164.124



49, 8.190, 328.494



44, 83.725, 333.795



11, 38.339, 333.010

Previews

White Background



This preview shows how the CIELCh color 68, 77.139, 331.295 looks on a white background.

Color Contrast Check

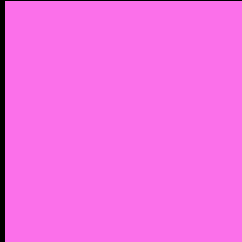
Large Text (above 18pt) WCAG AA × Fail

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 68, 77.139, 331.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

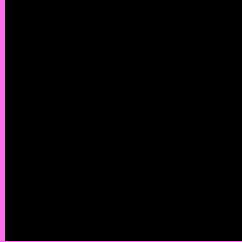
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 77.139, 331.295

Background



This preview shows how black text looks on a background with the CIELCh color 68, 77.139, 331.295.

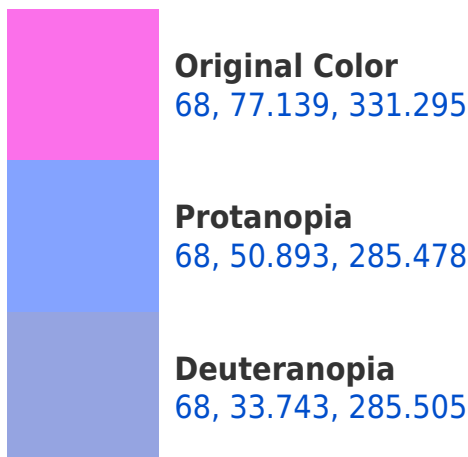


This preview shows how white text looks on a background with the CIELCh color 68, 77.139, 331.295.

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
68, 43.727, 17.190

Trichromacy



Original Color
68, 77.139, 331.295



Protanomaly
66, 57.894, 304.905



Deuteranomaly
67, 47.932, 310.689



Tritanomaly
68, 51.428, 353.438

Monochromacy



Original Color
68, 77.139, 331.295



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 30.336, 329.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 77.139, 331.295 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(251, 112, 234)` looks like.

```
.text, #text, p{  
    color:rgb(251, 112, 234)  
}
```

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(251, 112, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 112, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 77.139, 331.295 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(251, 112, 234) }
```

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

```
.border{ border-color:rgb(251, 112, 234) }
```

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

Here you see how a box with a 4 pixel rgb(251, 112, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 112, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 112, 234);  
box-shadow:4px 4px 4px 4px rgb(251, 112,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 77.139, 331.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 112, 234) }
```

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

```
.background{ background-color: rgb(251,  
112, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor