

Converting Colors

CIELCh(71, 67.834, 333.758)

Have a look what the booklet for
CIELCh(71, 67.834, 333.758)
contains.

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Color

CIELCh(71, 67.836, 333.761)

Conversions

Conversions Part 1

Format	Color
Hex	FF80E6
RGB	255, 128, 230
RGB Percent	100%, 50%, 90%
CMY	0.0018, 0.4997, 0.0998
CMYK	0.00, 0.50, 0.10, 0.00
HSL	312°, 99%, 75%
HSV	312°, 50%, 100%
XYZ	62.9546, 42.1875, 79.3643
YIQ	177.6010, 42.9500, 58.6460

Conversions

Conversions Part 2

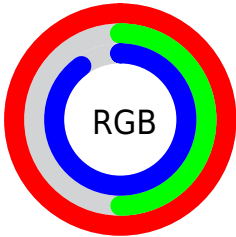
Format	Color
R _Y B	255, 128, 230
Decimal	16744678
CIE _{Lab}	71.00, 60.85, -29.99
CIE _{LCh}	71, 67.836, 333.761
Y _{xy}	42.1875, 0.3412, 0.2287
Android (android.graphics.Color)	4294934758 (0xFFFF80E6)
Y _{UV}	177.6010, 25.8327, 67.8789
Hunter-Lab	64.9519, 59.3453, -26.9798

Details

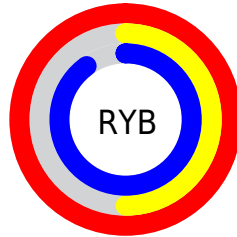
The CIELCh color **71, 67.836, 333.761** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 68.022, 145.893**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 43.869, 325.944**, and **51, 67.774, 333.881** is the 20% darker color. If you saturate the color by 10%, you get **67, 79.035, 334.508**, and if you desaturate by 10%, it is **76, 55.180, 333.043**.

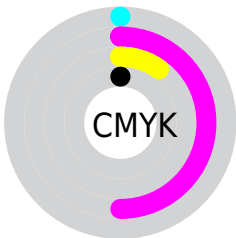
Distribution



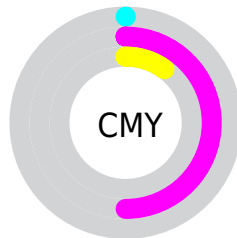
- Red (100%)
- Green (50%)
- Blue (90%)



- Red (100%)
- Yellow (50%)
- Blue (90%)



- Cyan (0%)
- Magenta (50%)
- Yellow (10%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 67.836, 333.761 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, 67.836, 333.761 by changing the saturation by 10% instead.


 71, 67.836,
333.761


 71, 67.836,
333.761


 100, 67.836,
333.761


 61, 67.836,
333.761


 91, 67.836,
333.761

 51, 67.836,
333.761

 41, 67.836,
333.761

 31, 67.836,
333.761

 21, 67.836,
333.761

 11, 67.836,
333.761

 1, 67.836, 333.761

71, 67.836,
333.761

71, 67.836,
333.761

67, 79.035,
334.508

76, 55.180,
333.043

63, 88.142,
335.295

82, 41.657,
332.346

60, 94.574,
336.148

87, 27.724,
331.669

59, 98.010,
337.100

94, 13.712,
331.006

58, 98.777,
338.180

100, 0.157,
152.766

58, 98.781,
338.194

100, 0.160,
203.547

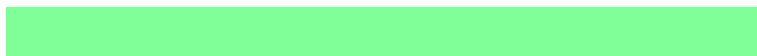
Harmonies

Complementary

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



71, 67.836, 333.761



91, 68.022, 145.893

Rectangle

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



71, 67.836, 333.761



71, 67.836, 23.761



71, 67.836, 153.761



71, 67.836, 203.761

Sweetspot

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



71, 67.833, 333.761



91, 20.912, 331.345



61, 71.564, 302.335



47, 14.280, 331.485



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, 67.833, 333.761



67, 79.273, 334.517



69, 52.338, 1.544



50, 7.901, 330.982



43, 79.874, 337.987



11, 37.406, 336.586

Inverse Universe

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



71, 67.833, 333.761



67, 79.273, 334.517



92, 45.472, 169.320



50, 7.901, 330.982



43, 79.874, 337.987



11, 37.406, 336.586

Previews

White Background



This preview shows how the CIELCh color 71, 67.836, 333.761 looks on a white background.

Color Contrast Check

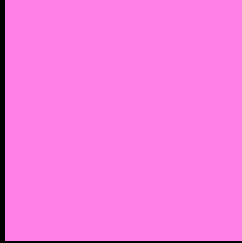
Large Text (above 18pt) WCAG AA × Fail

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, 67.836, 333.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

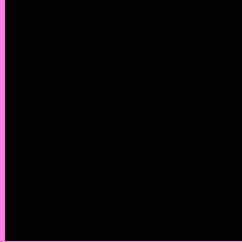
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 67.836, 333.761

Background



This preview shows how black text looks on a background with the CIELCh color 71, 67.836, 333.761.

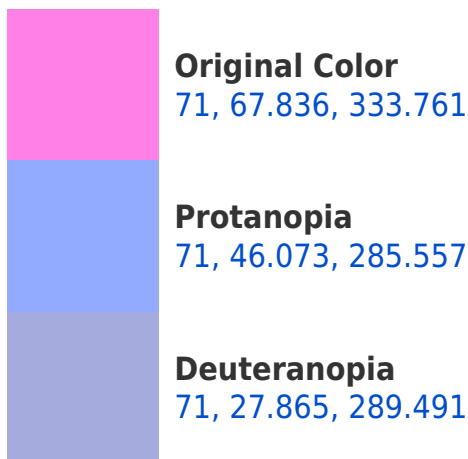


This preview shows how white text looks on a background with the CIELCh color 71, 67.836, 333.761.

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, 41.192, 15.545

Trichromacy



Original Color
71, 67.836, 333.761



Protanomaly
70, 50.937, 305.411



Deuteranomaly
70, 41.111, 314.327



Tritanomaly
71, 47.309, 354.925

Monochromacy



Original Color
71, 67.836, 333.761



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 26.285, 331.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 67.836, 333.761 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(255, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 230)  
}
```

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(255, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 67.836, 333.761 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(255, 128, 230) }
```

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

```
.border{ border-color:rgb(255, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 67.836, 333.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 230) }
```

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

```
.background{ background-color: rgb(255,  
128, 230) }
```

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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