

Converting Colors

CIELCh(71, 68.701, 333.235)

Have a look what the booklet for
CIELCh(71, 68.701, 333.235)
contains.

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Color

CIELCh(71, 68.738, 333.419)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FE7
RGB	255, 127, 231
RGB Percent	100%, 50%, 91%
CMY	0.0002, 0.5021, 0.0943
CMYK	0.00, 0.50, 0.09, 0.00
HSL	311°, 100%, 75%
HSV	311°, 50%, 100%
XYZ	63.2265, 42.1875, 80.3823
YIQ	177.1280, 42.9040, 59.4800

Conversions

Conversions Part 2

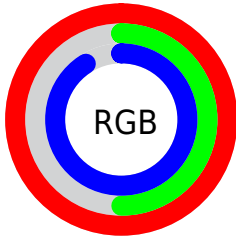
Format	Color
R_{YB}	255, 127, 231
Decimal	16744423
CIE _{Lab}	71.00, 61.47, -30.76
CIE _{LCh}	71, 68.738, 333.419
Yxy	42.1875, 0.3403, 0.2271
Android (android.graphics.Color)	4294934503 (0xFFFF7FE7)
YUV	177.1280, 26.5589, 68.2937
Hunter-Lab	64.9519, 60.0925, -27.9090

Details

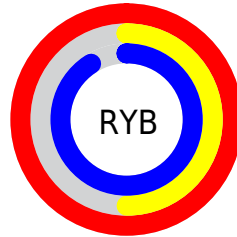
The CIELCh color **71, 68.738, 333.419** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 68.983, 145.553**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 44.490, 325.965**, and **51, 68.610, 333.530** is the 20% darker color. If you saturate the color by 10%, you get **67, 79.960, 334.146**, and if you desaturate by 10%, it is **76, 56.029, 332.715**.

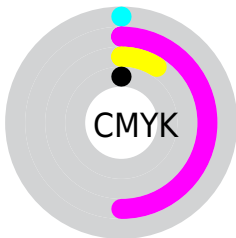
Distribution



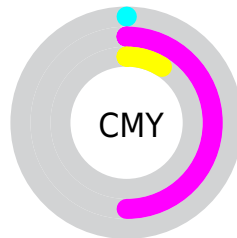
- Red (100%)
- Green (50%)
- Blue (91%)



- Red (100%)
- Yellow (50%)
- Blue (91%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 68.738, 333.419 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, 68.738, 333.419 by changing the saturation by 10% instead.


 71, 68.738,
333.419

 71, 68.738,
333.419


 100, 68.738,
333.419


 61, 68.738,
333.419


 91, 68.738,
333.419

 51, 68.738,
333.419

 41, 68.738,
333.419

 31, 68.738,
333.419

 21, 68.738,
333.419

 11, 68.738,
333.419

 1, 68.738, 333.419

■ 0, 68.738, 333.419

■ 71, 68.738,
333.419

■ 71, 68.738,
333.419

■ 67, 79.960,
334.146

■ 76, 56.029,
332.715

■ 63, 89.057,
334.907

■ 82, 42.427,
332.030

■ 60, 95.455,
335.724

■ 87, 28.396,
331.360

■ 59, 98.846,
336.628

■ 94, 14.274,
330.704

■ 58, 99.600,
337.626

■ 100, 0.288,
328.838

■ 100, 0.017,
240.822

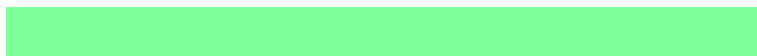
Harmonies

Complementary

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



71, 68.738, 333.419



91, 68.983, 145.553

Rectangle

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



71, 68.738, 333.419



71, 68.738, 23.419



71, 68.738, 153.419



71, 68.738, 203.419

Sweetspot

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



71, 68.735, 333.419



91, 21.049, 331.018



61, 72.159, 302.377



47, 14.373, 331.157



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, 68.735, 333.419



67, 79.763, 334.131



69, 52.739, 1.612



50, 7.953, 330.658



43, 80.429, 337.431



11, 37.639, 336.120

Inverse Universe

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



71, 68.735, 333.419



67, 79.763, 334.131



92, 45.782, 169.275



50, 7.953, 330.658



43, 80.429, 337.431



11, 37.639, 336.120

Previews

White Background



This preview shows how the CIELCh color 71, 68.738, 333.419 looks on a white background.

Color Contrast Check

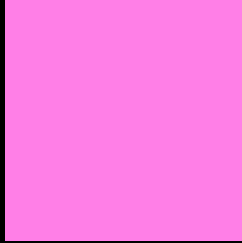
Large Text (above 18pt) WCAG AA × Fail

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, 68.738, 333.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

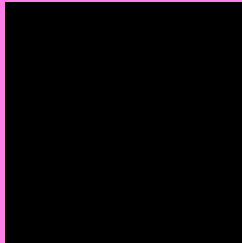
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 68.738, 333.419

Background



This preview shows how black text looks on a background with the CIELCh color 71, 68.738, 333.419.



This preview shows how white text looks on a background with the CIELCh color 71, 68.738, 333.419.

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, 68.738, 333.419



Protanomaly
70, 50.362, 305.497



Deuteranomaly
70, 41.609, 314.062



Tritanomaly
71, 47.489, 354.319

Monochromacy



Original Color
71, 68.738, 333.419



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 26.686, 331.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 68.738, 333.419 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, 127, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 231)  
}
```

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, 127, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 68.738, 333.419 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, 127, 231) }
```

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

```
.border{ border-color:rgb(255, 127, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 127, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 127, 231); box-shadow:4px 4px 4px 4px rgb(255, 127, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 68.738, 333.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 231) }
```

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

```
.background{ background-color: rgb(255,  
127, 231) }
```

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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