

Converting Colors

CIELCh(83, 87.274, 349.790)

Have a look what the booklet for
CIELCh(83, 87.274, 349.790)
contains.

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Color

CIELCh(71, 71.852, 331.350)

Conversions

Conversions Part 1

Format	Color
Hex	FF7EEE
RGB	255, 126, 238
RGB Percent	100%, 49%, 93%
CMY	0.0014, 0.5071, 0.0680
CMYK	0.00, 0.51, 0.07, 0.00
HSL	308°, 99%, 75%
HSV	308°, 51%, 100%
XYZ	63.9166, 42.1875, 85.4095
YIQ	177.3390, 40.9320, 62.1800

Conversions

Conversions Part 2

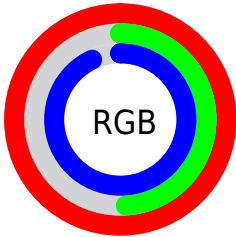
Format	Color
R _{YB}	255, 126, 238
Decimal	16744174
CIE _{Lab}	71.00, 63.05, -34.45
CIE _{LCh}	71, 71.852, 331.350
Yxy	42.1875, 0.3337, 0.2203
Android (android.graphics.Color)	4294934254 (0xFFFF7EEE)
YUV	177.3390, 29.9059, 68.1087
Hunter-Lab	64.9519, 61.9890, -32.4979

Details

The CIELCh color **71, 71.852, 331.350** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 72.308, 143.782**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 45.110, 325.986**, and **51, 72.159, 331.338** is the 20% darker color. If you saturate the color by 10%, you get **67, 83.397, 331.961**, and if you desaturate by 10%, it is **76, 58.746, 330.732**.

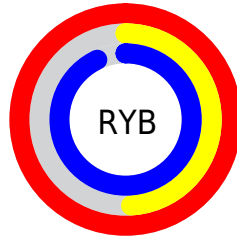
Distribution



Red (100%)

Green (49%)

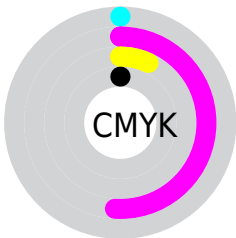
Blue (93%)



Red (100%)

Yellow (49%)

Blue (93%)

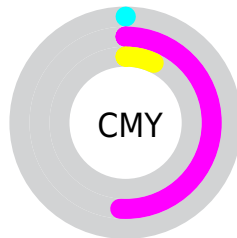


Cyan (0%)

Magenta (51%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 71.852, 331.350 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, 71.852, 331.350 by changing the saturation by 10% instead.


 71, 71.852,
331.350


 71, 71.852,
331.350


 100, 71.852,
331.350


 61, 71.852,
331.350


 91, 71.852,
331.350

 51, 71.852,
331.350

 41, 71.852,
331.350

 31, 71.852,
331.350

 21, 71.852,
331.350

 11, 71.852,
331.350

 1, 71.852, 331.350

■ 0, 71.852, 331.350

■ 71, 71.852,
331.350

■ 71, 71.852,
331.350

■ 67, 83.397,
331.961

■ 76, 58.746,
330.732

■ 63, 92.750,
332.565

■ 81, 44.684,
330.109

■ 61, 99.356,
333.171

■ 87, 30.144,
329.487

■ 59, 102.943,
333.796

■ 93, 15.482,
328.866

■ 58, 103.926,
334.415

■ 99, 0.940, 327.924

■ 100, 0.119,
204.955

Harmonies

Complementary

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



71, 71.852, 331.350



91, 72.308, 143.782

Rectangle

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



71, 71.852, 331.350



71, 71.852, 21.350



71, 71.852, 151.350



71, 71.852, 201.350

Sweetspot

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



71, 71.849, 331.350



91, 21.888, 329.137



60, 72.760, 300.654



47, 14.945, 329.267



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, 71.849, 331.350



67, 83.861, 331.983



69, 54.221, 356.921



50, 8.272, 328.795



44, 83.941, 334.294



12, 39.096, 333.470

Inverse Universe

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



71, 71.849, 331.350



67, 83.861, 331.983



92, 48.818, 164.822



50, 8.272, 328.795



44, 83.941, 334.294



12, 39.096, 333.470

Previews

White Background



This preview shows how the CIELCh color 71, 71.852, 331.350 looks on a white background.

Color Contrast Check

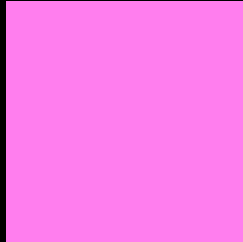
Large Text (above 18pt) WCAG AA × Fail

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, 71.852, 331.350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

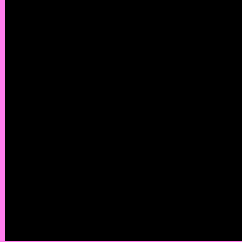
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 71.852, 331.350

Background



This preview shows how black text looks on a background with the CIELCh color 71, 71.852, 331.350.

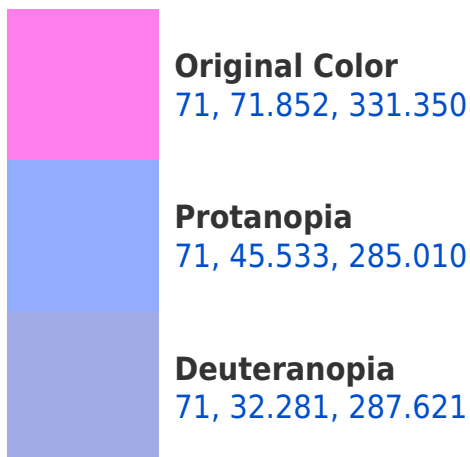


This preview shows how white text looks on a background with the CIELCh color 71, 71.852, 331.350.

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, 40.349, 15.259

Trichromacy



Original Color
71, 71.852, 331.350



Protanomaly
70, 52.557, 305.479



Deuteranomaly
70, 44.850, 311.146



Tritanomaly
71, 48.067, 352.535

Monochromacy



Original Color
71, 71.852, 331.350



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 28.156, 329.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 71.852, 331.350 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, 126, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 238)  
}
```

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, 126, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 71.852, 331.350 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, 126, 238) }
```

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

```
.border{ border-color:rgb(255, 126, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 71.852, 331.350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 238) }
```

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

```
.background{ background-color: rgb(255,  
126, 238) }
```

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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