Converting Colors

CIELCh(71, 80.940, 327.167)

Have a look what the booklet for CIELCh(71, 80.940, 327.167) contains.

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Color

CIELCh(71, 81.096, 327.172)

Conversions

Conversions Part 1

Format	Color
Hex	FF79FF
RGB	255, 121, 255
RGB Percent	100%, 47%, 100%
CMY	0.0000, 0.5252, 0.0000
CMYK	0.00, 0.53, 0.00, 0.00
HSL	300°, 100%, 74%
HSV	300°, 53%, 100%
XYZ	66.1708, 42.1875, 99.3188
YIQ	176.3420, 36.8500, 70.0820

Conversions

Conversions Part 2

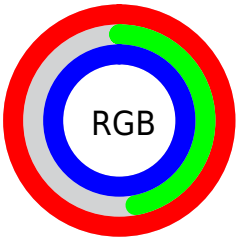
Format	Color
RYB	255, 121, 255
Decimal	16742911
CIELab	71.00, 68.15, -43.96
CIELCh	71, 81.096, 327.172
Yxy	42.1875, 0.3186, 0.2031
Android (android.graphics.Color)	4294932991 (0xFFFF79FF)
YUV	176.3420, 38.7784, 68.9831
Hunter-Lab	64.9519, 68.1839, -45.1947

Details

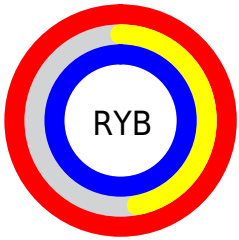
The CIELCh color 71, 81.096, 327.172 is a light color, and the websafe version is hex FF66FF. A complement of this color would be 90, 81.615, 140.010, and the grayscale version is 72, 0.009, 296.813.

A 20% lighter version of the original color is 82, 48.201, 326.091, and 51, 81.041, 326.996 is the 20% darker color. If you saturate the color by 10%, you get 67, 93.313, 327.557, and if you desaturate by 10%, it is 76, 67.029, 326.717.

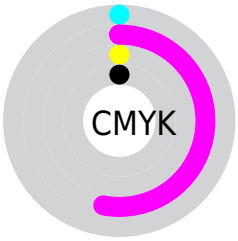
Distribution



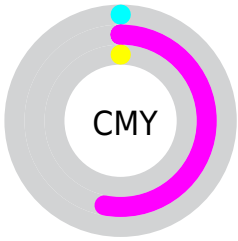
- Red (100%)
- Green (47%)
- Blue (100%)



- Red (100%)
- Yellow (47%)
- Blue (100%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 81.096, 327.172 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, 81.096, 327.172 by changing the saturation by 10% instead.

71, 81.096, 327.172

100, 81.096, 327.172

91, 81.096, 327.172

71, 81.096, 327.172

61, 81.096, 327.172

51, 81.096, 327.172

41, 81.096, 327.172

31, 81.096, 327.172

21, 81.096, 327.172

11, 81.096, 327.172

1, 81.096, 327.172

0, 81.096, 327.172

71, 81.096, 327.172

71, 81.096, 327.172

67, 93.313, 327.557

76, 67.029, 326.717

64, 103.173, 327.861

81, 51.840, 326.213

62, 110.173, 328.072

86, 36.020, 325.676

61, 114.170, 328.191

92, 19.977, 325.119

60, 115.567, 328.233

98, 4.003, 324.504

100, 0.012, 296.813

Harmonies

Complementary

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

71, 81.096, 327.172

90, 81.615, 140.010

Rectangle

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

71, 81.096, 327.172

71, 81.096, 17.172

71, 81.096, 147.172

71, 81.096, 197.172

Sweetspot

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

71, 81.059, 327.171

90, 25.563, 325.315

57, 75.902, 298.120

47, 17.268, 325.430

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, 81.059, 327.171

67, 93.844, 327.574

68, 59.042, 349.499

50, 9.057, 324.947

45, 93.083, 328.233

12, 42.823, 328.233

Inverse Universe

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

71, 81.059, 327.171

67, 93.844, 327.574

91, 55.884, 157.936

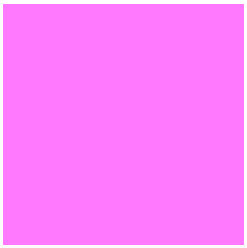
50, 9.057, 324.947

45, 93.083, 328.233

12, 42.823, 328.233

Previews

White Background

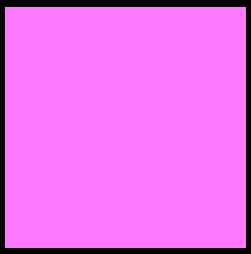


This preview shows how the CIELCh color 71, 81.096, 327.172 looks on a white background.

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



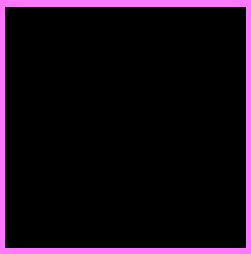
This preview shows how the CIELCh color 71, 81.096, 327.172 looks on a black background.

Color Contrast Check

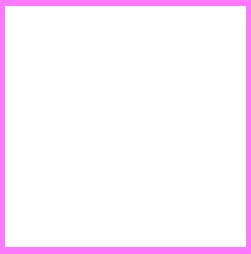
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 71, 81.096, 327.172 Background



This preview shows how black text looks on a background with the CIELCh color 71, 81.096, 327.172.

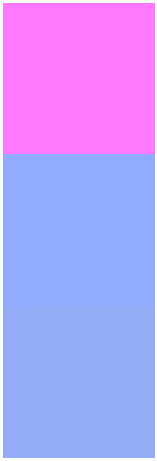


This preview shows how white text looks on a background with the CIELCh color 71, 81.096, 327.172.

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



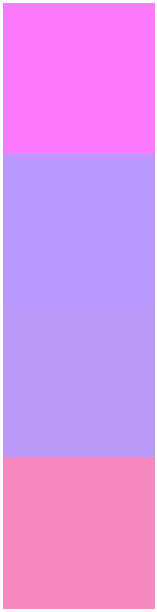
Original Color
71, 81.096, 327.172

Protanopia
71, 45.568, 284.677

Deuteranopia
71, 40.705, 283.965

Tritanopia
71, 39.109, 14.834

Trichromacy



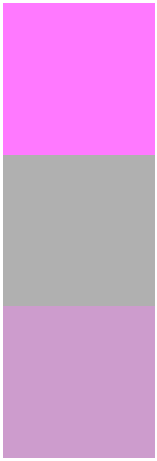
Original Color
71, 81.096, 327.172

Protanomaly
70, 56.898, 305.160

Deuteranomaly
70, 53.849, 306.325

Tritanomaly
71, 49.603, 347.745

Monochromacy



Original Color
71, 81.096, 327.172

Achromatopsia
72, 0.009, 296.813

Achromatomaly
70, 32.022, 325.735

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 81.096, 327.172 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, 121, 255) looks like.

```
.text, #text, p{
    color:rgb(255, 121, 255)
}
```

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, 121, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 81.096, 327.172 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, 121, 255) }
```

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

```
.border{ border-color:rgb(255, 121, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 121, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 121, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 121, 255); box-shadow:4px 4px 4px 4px rgb(255, 121, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 81.096, 327.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 121, 255) }
```

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

```
.background{ background-color:rgb(255,
121, 255) }
```

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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