

Converting Colors

CIELCh(71, 79.639, 327.566)

Have a look what the booklet for
CIELCh(71, 79.639, 327.566)
contains.

CIELCh(71, 79.778, 327.599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 79.778, 327.599)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AFD
RGB	255, 122, 253
RGB Percent	100%, 48%, 99%
CMY	0.0007, 0.5222, 0.0085
CMYK	0.00, 0.52, 0.01, 0.00
HSL	301°, 100%, 74%
HSV	301°, 52%, 100%
XYZ	65.8188, 42.1875, 97.4635
YIQ	176.7010, 37.2170, 68.9370

Conversions

Conversions Part 2

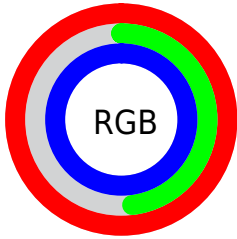
Format	Color
RYB	255, 122, 253
Decimal	16743165
CIELab	71.00, 67.36, -42.75
CIELCh	71, 79.778, 327.599
Yxy	42.1875, 0.3203, 0.2053
Android (android.graphics.Color)	4294933245 (0xFFFF7AFD)
YUV	176.7010, 37.6154, 68.6682
Hunter-Lab	64.9519, 67.2167, -43.5012

Details

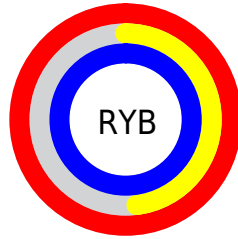
The CIELCh color **71, 79.778, 327.599** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 80.350, 140.420**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **82, 47.584, 326.070**, and **51, 79.864, 327.682** is the 20% darker color. If you saturate the color by 10%, you get **67, 91.966, 328.009**, and if you desaturate by 10%, it is **76, 65.841, 327.128**.

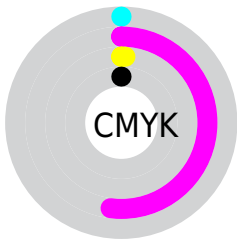
Distribution



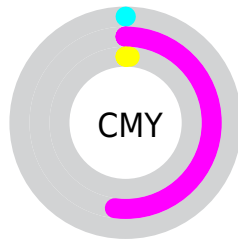
- Red (100%)
- Green (48%)
- Blue (99%)



- Red (100%)
- Yellow (48%)
- Blue (99%)



- Cyan (0%)
- Magenta (52%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (52%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 79.778, 327.599 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, 79.778, 327.599 by changing the saturation by 10% instead.


 71, 79.778,
327.599

 71, 79.778,
327.599


 100, 79.778,
327.599


 61, 79.778,
327.599


 91, 79.778,
327.599

 51, 79.778,
327.599

 41, 79.778,
327.599

 31, 79.778,
327.599

 21, 79.778,
327.599

 11, 79.778,
327.599

 1, 79.778, 327.599

■ 0, 79.778, 327.599

■ 71, 79.778,
327.599

■ 71, 79.778,
327.599

■ 67, 91.966,
328.009

■ 76, 65.841,
327.128

■ 64, 101.793,
328.343

■ 81, 50.778,
326.612

■ 62, 108.775,
328.594

■ 86, 35.109,
326.067

■ 61, 112.749,
328.762

■ 92, 19.233,
325.504

■ 60, 114.135,
328.848

■ 99, 3.434, 324.872

100, 0.060,
210.583

Harmonies

Complementary

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



71, 79.778, 327.599



90, 80.350, 140.420

Rectangle

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



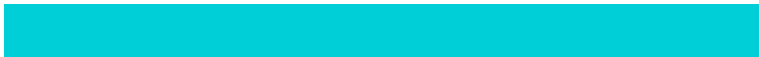
71, 79.778, 327.599



71, 79.778, 17.599



71, 79.778, 147.599



71, 79.778, 197.599

Sweetspot

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



71, 79.775, 327.599



90, 25.306, 325.720



57, 75.326, 298.048



47, 17.095, 325.836



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, 79.775, 327.599



67, 92.913, 328.039



69, 58.671, 349.445



50, 8.965, 325.350



45, 91.995, 328.838



12, 42.382, 328.764

Inverse Universe

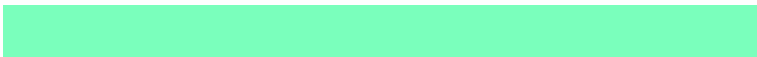
The Inverse Universe completely reimagines the original color for something new.



71, 79.775, 327.599



67, 92.913, 328.039



91, 55.537, 157.986



50, 8.965, 325.350



45, 91.995, 328.838



12, 42.382, 328.764

Previews

White Background



This preview shows how the CIELCh color 71, 79.778, 327.599 looks on a white background.

Color Contrast Check

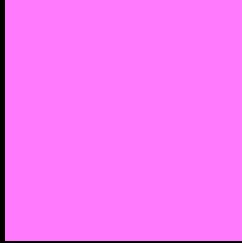
Large Text (above 18pt) WCAG AA × Fail

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, 79.778, 327.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

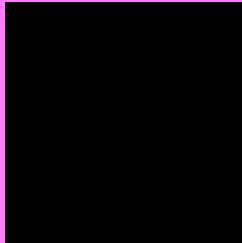
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 79.778, 327.599

Background



This preview shows how black text looks on a background with the CIELCh color 71, 79.778, 327.599.



This preview shows how white text looks on a background with the CIELCh color 71, 79.778, 327.599.

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, 79.778, 327.599

Protanopia

71, 45.568, 284.677

Deuteranopia

71, 39.570, 284.345



Tritanopia
71, 39.109, 14.834

Trichromacy



Original Color
71, 79.778, 327.599



Protanomaly
70, 55.756, 304.987



Deuteranomaly
70, 52.232, 306.622



Tritanomaly
71, 49.359, 348.290

Monochromacy



Original Color
71, 79.778, 327.599



Achromatopsia
72, 0.009, 296.813



Achromatomaly
71, 31.369, 325.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 79.778, 327.599 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, 122, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 253)  
}
```

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, 122, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 79.778, 327.599 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, 122, 253) }
```

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

```
.border{ border-color:rgb(255, 122, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 79.778, 327.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 253) }
```

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

```
.background{ background-color: rgb(255,  
122, 253) }
```

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