

# Converting Colors

CIELCh(71, 78.851, 328.772)

Have a look what the booklet for  
CIELCh(71, 78.851, 328.772)  
contains.

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**Color**

**CIELCh(71, 78.722, 328.529)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7AFA
RGB	255, 122, 250
RGB Percent	100%, 48%, 98%
CMY	0.0000, 0.5223, 0.0203
CMYK	0.00, 0.52, 0.02, 0.00
HSL	302°, 100%, 74%
HSV	302°, 52%, 100%
XYZ	65.7226, 42.1875, 94.9816
YIQ	176.3590, 38.1800, 68.0040

# Conversions

## Conversions Part 2

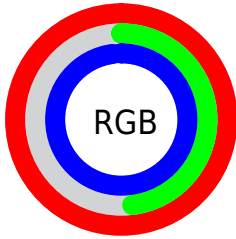
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 122, 250
Decimal	16743162
CIE Lab	71.00, 67.14, -41.10
CIE LCh	71, 78.722, 328.529
Yxy	42.1875, 0.3239, 0.2079
Android (android.graphics.Color)	4294933242 (0xFFFF7AFA)
YUV	176.3590, 36.3050, 68.9682
Hunter-Lab	64.9519, 66.9522, -41.2357

# Details

The CIELCh color **71, 78.722, 328.529** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 79.238, 141.020**, 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, 78.659, 328.406** is the 20% darker color. If you saturate the color by 10%, you get **67, 90.612, 328.772**, and if you desaturate by 10%, it is **76, 64.902, 327.831**.

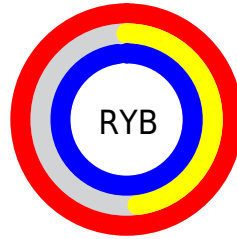
# Distribution



Red (100%)

Green (48%)

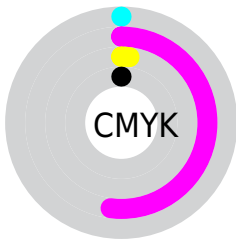
Blue (98%)



Red (100%)

Yellow (48%)

Blue (98%)

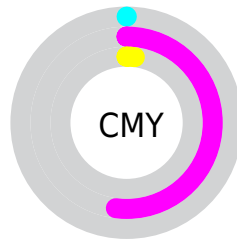


Cyan (0%)

Magenta (52%)

Yellow (2%)

Black (0%)



Cyan (0%)

Magenta (52%)


Yellow (2%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 78.722, 328.529 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, 78.722, 328.529 by changing the saturation by 10% instead.





 71, 78.722,  
328.529


 71, 78.722,  
328.529


 100, 78.722,  
328.529


 61, 78.722,  
328.529


 91, 78.722,  
328.529

 51, 78.722,  
328.529

 41, 78.722,  
328.529

 31, 78.722,  
328.529

 21, 78.722,  
328.529

 11, 78.722,  
328.529

 1, 78.722, 328.529

0, 78.722, 328.529

71, 78.722,  
328.529

71, 78.722,  
328.529

67, 90.612,  
328.772

76, 64.902,  
327.831

64, 100.248,  
329.153

81, 50.067,  
327.297

62, 107.040,  
329.465

86, 34.635,  
326.739

60, 110.816,  
329.712

92, 19.002,  
326.166

60, 112.038,  
329.870

99, 3.447, 325.527

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, 78.722, 328.529



90, 79.238, 141.020

# Rectangle

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



71, 78.722, 328.529



71, 78.722, 18.529



71, 78.722, 148.529



71, 78.722, 198.529

# Sweetspot

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



71, 78.621, 328.327



90, 24.900, 326.384



58, 75.394, 298.843



47, 16.821, 326.501



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, 78.621, 328.327



67, 91.446, 328.803



68, 57.806, 351.580



50, 8.821, 326.007



45, 90.288, 329.841



12, 41.690, 329.640



# Inverse Universe

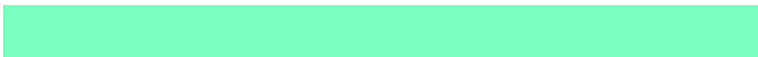
The Inverse Universe completely reimagines the original color for something new.



71, 78.621, 328.327



67, 91.446, 328.803



91, 54.012, 159.739



50, 8.821, 326.007



45, 90.288, 329.841



12, 41.690, 329.640



# Previews

## White Background



This preview shows how the CIELCh color 71, 78.722, 328.529 looks on a white background.

## Color Contrast Check

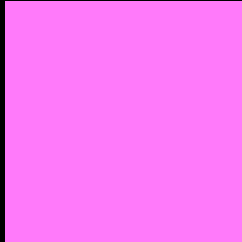
Large Text (above 18pt) WCAG AA × Fail

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, 78.722, 328.529 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

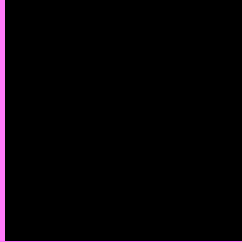
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 71, 78.722, 328.529

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 78.722, 328.529.



This preview shows how white text looks on a background with the CIELCh color 71, 78.722, 328.529.

# 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, 39.950, 15.129

# Trichromacy



**Original Color**  
71, 78.591, 328.286



**Protanomaly**  
70, 55.810, 305.000



**Deuteranomaly**  
70, 50.725, 307.318



**Tritanomaly**  
71, 49.171, 349.699

# Monochromacy



**Original Color**  
71, 78.591, 328.286



**Achromatopsia**  
72, 0.009, 296.813



**Achromatomaly**  
70, 31.153, 326.874

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 78.722, 328.529 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 250) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 78.722, 328.529 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, 250) }
```

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

```
.border{ border-color:rgb(255, 122, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
250) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 78.722, 328.529 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
122, 250) }
```

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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