

Converting Colors

CIELCh(70, 82.107, 328.148)

Have a look what the booklet for
CIELCh(70, 82.107, 328.148)
contains.

CIELCh(70, 82.078, 328.121)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 82.078, 328.121)

Conversions

Conversions Part 1

Format	Color
Hex	FF74FB
RGB	255, 116, 251
RGB Percent	100%, 45%, 98%
CMY	0.0000, 0.5448, 0.0154
CMYK	0.00, 0.54, 0.02, 0.00
HSL	302°, 100%, 73%
HSV	302°, 54%, 100%
XYZ	64.9431, 40.7494, 95.7671
YIQ	172.9510, 39.5090, 71.4530

Conversions

Conversions Part 2

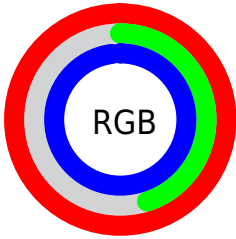
Format	Color
R _Y B	255, 116, 251
Decimal	16741627
CIE Lab	70.00, 69.70, -43.35
CIE LCh	70, 82.078, 328.121
Yxy	40.7494, 0.3224, 0.2023
Android (android.graphics.Color)	4294931707 (0xFFFF74FB)
YUV	172.9510, 38.4782, 71.9570
Hunter-Lab	63.8353, 69.8861, -44.2635

Details

The CIELCh color **70, 82.078, 328.121** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 82.808, 140.486**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **81, 51.272, 326.194**, and **50, 82.208, 328.028** is the 20% darker color. If you saturate the color by 10%, you get **66, 93.666, 328.519**, and if you desaturate by 10%, it is **75, 68.588, 327.631**.

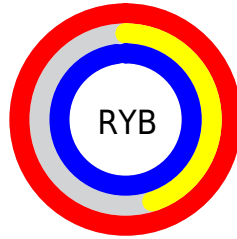
Distribution



Red (100%)

Green (45%)

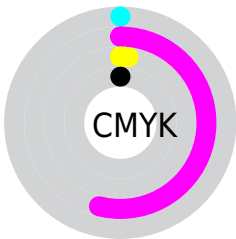
Blue (98%)



Red (100%)

Yellow (45%)

Blue (98%)

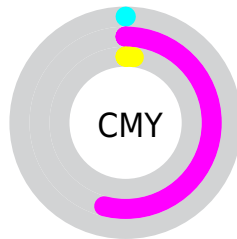


Cyan (0%)

Magenta (54%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 82.078, 328.121 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 70, 82.078, 328.121 by changing the saturation by 10% instead.


 70, 82.078,
328.121


 70, 82.078,
328.121


 100, 82.078,
328.121


 60, 82.078,
328.121


 90, 82.078,
328.121

 50, 82.078,
328.121

 40, 82.078,
328.121

 30, 82.078,
328.121

 20, 82.078,
328.121

 10, 82.078,
328.121

 0, 82.078, 328.121

70, 82.078,
328.121

70, 82.078,
328.121

66, 93.666,
328.519

75, 68.588,
327.631

63, 102.776,
328.862

80, 53.854,
327.114

61, 108.968,
329.129

85, 38.411,
326.566

60, 112.173,
329.325

91, 22.685,
326.001

60, 112.986,
329.412

97, 6.982, 325.408

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.



70, 82.078, 328.121



90, 82.808, 140.486

Rectangle

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



70, 82.078, 328.121



70, 82.078, 18.121



70, 82.078, 148.121



70, 82.078, 198.121

Sweetspot

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



70, 82.068, 328.105



90, 25.079, 326.088



56, 79.003, 298.912



47, 16.942, 326.205



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 82.068, 328.105



66, 94.205, 328.538



67, 60.505, 350.888



50, 8.885, 325.714



45, 91.039, 329.391



12, 41.994, 329.248

Inverse Universe

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



70, 82.068, 328.105



66, 94.205, 328.538



91, 56.876, 158.510



50, 8.885, 325.714



45, 91.039, 329.391



12, 41.994, 329.248

Previews

White Background



This preview shows how the CIELCh color 70, 82.078, 328.121 looks on a white background.

Color Contrast Check

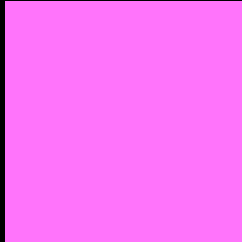
Large Text (above 18pt) WCAG AA × Fail

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 70, 82.078, 328.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

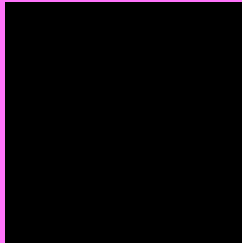
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 82.078, 328.121

Background



This preview shows how black text looks on a background with the CIELCh color 70, 82.078, 328.121.



This preview shows how white text looks on a background with the CIELCh color 70, 82.078, 328.121.

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

70, 82.078, 328.121

Protanopia

70, 47.359, 284.716

Deuteranopia

70, 40.258, 284.247



Tritanopia
70, 41.333, 15.636

Trichromacy



Original Color
70, 82.078, 328.121



Protanomaly
69, 58.113, 305.053



Deuteranomaly
69, 53.583, 307.133



Tritanomaly
69, 51.139, 349.376

Monochromacy



Original Color
70, 82.078, 328.121



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 32.516, 326.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 82.078, 328.121 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, 116, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 251)  
}
```

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, 116, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 82.078, 328.121 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, 116, 251) }
```

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

```
.border{ border-color:rgb(255, 116, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 82.078, 328.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 251) }
```

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

```
.background{ background-color: rgb(255,  
116, 251) }
```

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