

Converting Colors

CIELCh(70, 77.399, 328.888)

Have a look what the booklet for
CIELCh(70, 77.399, 328.888)
contains.

CIELCh(70, 77.336, 328.780)	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(70, 77.336, 328.780)

Conversions

Conversions Part 1

Format	Color
Hex	FC78F5
RGB	252, 120, 245
RGB Percent	99%, 47%, 96%
CMY	0.0115, 0.5292, 0.0390
CMYK	0.00, 0.52, 0.03, 0.01
HSL	303°, 96%, 73%
HSV	303°, 52%, 99%
XYZ	63.3803, 40.7494, 90.9586
YIQ	173.7180, 38.5470, 66.8590

Conversions

Conversions Part 2

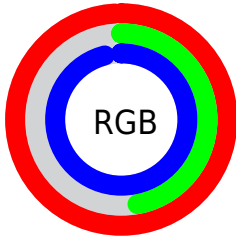
Format	Color
RYB	252, 120, 245
Decimal	16546037
CIELab	70.00, 66.14, -40.09
CIElCh	70, 77.336, 328.780
Yxy	40.7494, 0.3249, 0.2089
Android (android.graphics.Color)	4294736117 (0xFFFC78F5)
YUV	173.7180, 35.1420, 68.6533
Hunter-Lab	63.8353, 65.5160, -39.7974

Details

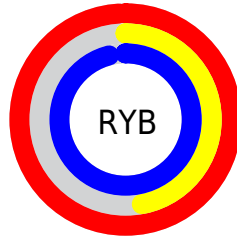
The CIELCh color **70, 77.336, 328.780** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **89, 77.964, 141.379**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **82, 48.817, 326.112**, and **50, 77.317, 328.931** is the 20% darker color. If you saturate the color by 10%, you get **66, 89.075, 329.246**, and if you desaturate by 10%, it is **75, 63.883, 328.268**.

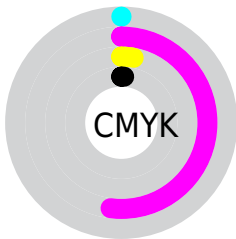
Distribution



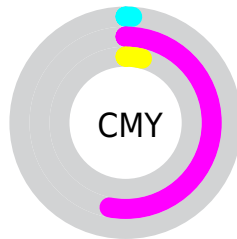
- Red (99%)
- Green (47%)
- Blue (96%)



- Red (99%)
- Yellow (47%)
- Blue (96%)



- Cyan (0%)
- Magenta (52%)
- Yellow (3%)
- Black (1%)





- Cyan (1%)
- Magenta (53%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 77.336, 328.780 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, 77.336, 328.780 by changing the saturation by 10% instead.


 70, 77.336,
328.780

 70, 77.336,
328.780


 100, 77.336,
328.780


 60, 77.336,
328.780


 90, 77.336,
328.780

 50, 77.336,
328.780

 40, 77.336,
328.780

 30, 77.336,
328.780

 20, 77.336,
328.780

 10, 77.336,
328.780

 0, 77.336, 328.780

70, 77.336,
328.780

70, 77.336,
328.780

66, 89.075,
329.246

75, 63.883,
328.268

63, 98.488,
329.656

80, 49.332,
327.723

61, 105.085,
330.007

85, 34.192,
327.157

59, 108.694,
330.304

91, 18.854,
326.579

59, 109.802,
330.506

98, 3.591, 325.939

100, 1.415,
156.478

100, 1.065,
183.885

100, 1.021,
199.989

Harmonies

Complementary

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



70, 77.336, 328.780



89, 77.964, 141.379

Rectangle

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



70, 77.336, 328.780



70, 77.336, 18.780



70, 77.336, 148.780



70, 77.336, 198.780

Sweetspot

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



70, 77.333, 328.780



90, 24.660, 326.790



57, 74.883, 299.265



47, 16.659, 326.910



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, 77.333, 328.780



67, 90.579, 329.275



68, 56.975, 352.692



49, 8.592, 326.410



44, 88.397, 330.464



11, 40.206, 330.168

Inverse Universe

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



70, 77.333, 328.780



67, 90.579, 329.275



91, 52.856, 160.641



49, 8.592, 326.410



44, 88.397, 330.464



11, 40.206, 330.168

Previews

White Background



This preview shows how the CIELCh color 70, 77.336, 328.780 looks on a white background.

Color Contrast Check

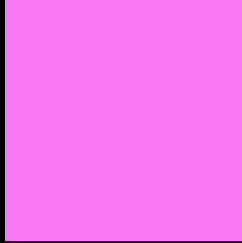
Large Text (above 18pt) WCAG AA × Fail

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, 77.336, 328.780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

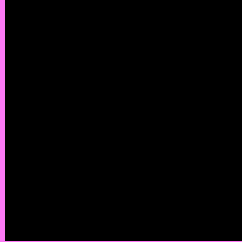
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 77.336, 328.780

Background



This preview shows how black text looks on a background with the CIELCh color 70, 77.336, 328.780.

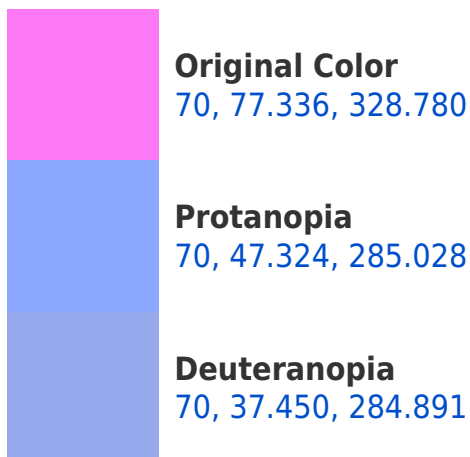


This preview shows how white text looks on a background with the CIELCh color 70, 77.336, 328.780.

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
70, 39.669, 15.830

Trichromacy



Original Color
70, 77.336, 328.780



Protanomaly
69, 55.880, 304.710



Deuteranomaly
69, 50.410, 307.835



Tritanomaly
70, 48.494, 350.580

Monochromacy



Original Color
70, 77.336, 328.780



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 30.584, 326.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 77.336, 328.780 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(252, 120, 245)` looks like.

```
.text, #text, p{  
    color:rgb(252, 120, 245)  
}
```

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(252, 120, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 120, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 77.336, 328.780 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(252, 120, 245) }
```

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

```
.border{ border-color:rgb(252, 120, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 120, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 120, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 120, 245);  
box-shadow:4px 4px 4px 4px rgb(252, 120,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 77.336, 328.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 120, 245) }
```

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

```
.background{ background-color: rgb(252,  
120, 245) }
```

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