

Converting Colors

CIELCh(70, 77.484, 330.367)

Have a look what the booklet for
CIELCh(70, 77.484, 330.367)
contains.

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Color

CIELCh(70, 77.577, 330.236)

Conversions

Conversions Part 1

Format	Color
Hex	FF76F2
RGB	255, 118, 242
RGB Percent	100%, 46%, 95%
CMY	0.0000, 0.5363, 0.0500
CMYK	0.00, 0.54, 0.05, 0.00
HSL	306°, 100%, 73%
HSV	306°, 54%, 100%
XYZ	63.9069, 40.7494, 88.6977
YIQ	173.0990, 41.8480, 67.6080

Conversions

Conversions Part 2

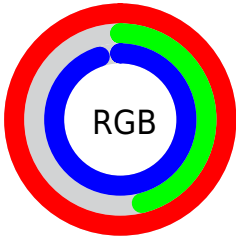
Format	Color
R _{YB}	255, 118, 242
Decimal	16742130
CIE _{Lab}	70.00, 67.34, -38.51
CIE _{LCh}	70, 77.577, 330.236
Yxy	40.7494, 0.3305, 0.2108
Android (android.graphics.Color)	4294932210 (0xFFFF76F2)
YUV	173.0990, 33.9682, 71.8272
Hunter-Lab	63.8353, 66.9884, -37.6974

Details

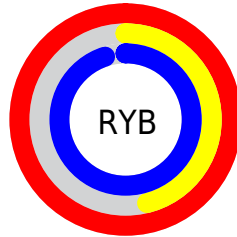
The CIELCh color **70, 77.577, 330.236** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **90, 78.271, 142.309**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **81, 50.046, 326.153**, and **50, 77.507, 330.237** is the 20% darker color. If you saturate the color by 10%, you get **66, 88.806, 330.705**, and if you desaturate by 10%, it is **75, 64.500, 329.615**.

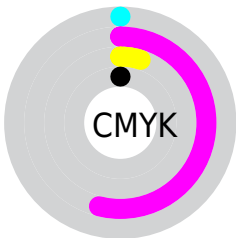
Distribution



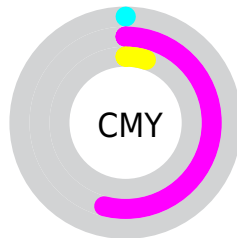
- Red (100%)
- Green (46%)
- Blue (95%)



- Red (100%)
- Yellow (46%)
- Blue (95%)



- Cyan (0%)
- Magenta (54%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 77.577, 330.236 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, 77.577, 330.236 by changing the saturation by 10% instead.


 70, 77.577,
330.236


 70, 77.577,
330.236


 100, 77.577,
330.236


 60, 77.577,
330.236


 90, 77.577,
330.236

 50, 77.577,
330.236

 40, 77.577,
330.236

 30, 77.577,
330.236

 20, 77.577,
330.236

 10, 77.577,
330.236

 0, 77.577, 330.236

70, 77.577,
330.236

70, 77.577,
330.236

66, 88.806,
330.705

75, 64.500,
329.615

63, 97.666,
331.205

80, 50.301,
329.035

61, 103.645,
331.675

86, 35.470,
328.442

59, 106.607,
332.131

92, 20.410,
327.845

59, 107.260,
332.420

98, 5.402, 327.216

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, 77.577, 330.236



90, 78.271, 142.309

Rectangle

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



70, 77.577, 330.236



70, 77.577, 20.236



70, 77.577, 150.236



70, 77.577, 200.236

Sweetspot

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



70, 77.542, 330.174



90, 23.988, 327.987



57, 77.554, 300.307



47, 16.206, 328.110



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, 77.542, 330.174



66, 89.184, 330.725



68, 57.963, 355.185



50, 8.497, 327.596



44, 86.502, 332.341



12, 40.147, 331.802

Inverse Universe

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



70, 77.542, 330.174



66, 89.184, 330.725



91, 52.879, 162.361



50, 8.497, 327.596



44, 86.502, 332.341



12, 40.147, 331.802

Previews

White Background



This preview shows how the CIELCh color 70, 77.577, 330.236 looks on a white background.

Color Contrast Check

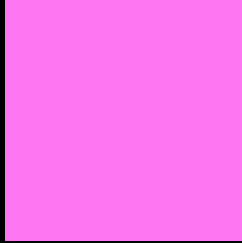
Large Text (above 18pt) WCAG AA × Fail

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, 77.577, 330.236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

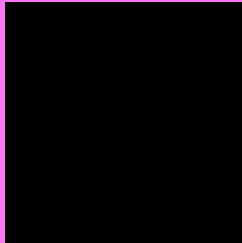
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 77.577, 330.236

Background



This preview shows how black text looks on a background with the CIELCh color 70, 77.577, 330.236.

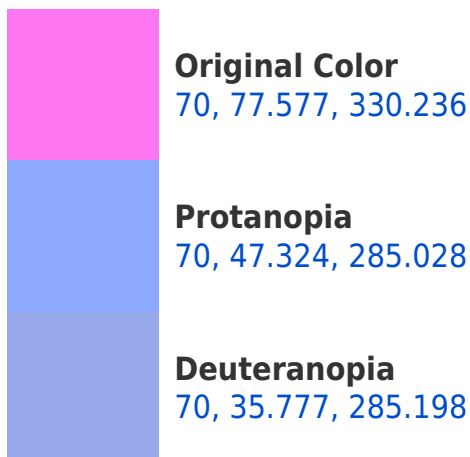


This preview shows how white text looks on a background with the CIELCh color 70, 77.577, 330.236.

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, 41.770, 16.498

Trichromacy



Original Color
70, 77.577, 330.236



Protanomaly
69, 55.393, 305.103



Deuteranomaly
69, 48.982, 308.994



Tritanomaly
70, 50.026, 352.101

Monochromacy



Original Color
70, 77.577, 330.236



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 30.586, 328.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 77.577, 330.236 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, 118, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 242)  
}
```

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, 118, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 77.577, 330.236 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, 118, 242) }
```

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

```
.border{ border-color:rgb(255, 118, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 77.577, 330.236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 242) }
```

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

```
.background{ background-color: rgb(255,  
118, 242) }
```

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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