

Converting Colors

CIELCh(73, 79.856, 337.420)

Have a look what the booklet for
CIELCh(73, 79.856, 337.420)
contains.

CIELCh(70, 76.215, 331.518)	3
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Color

CIELCh(70, 76.215, 331.518)

Conversions

Conversions Part 1

Format	Color
Hex	FF76EE
RGB	255, 118, 238
RGB Percent	100%, 46%, 93%
CMY	0.0000, 0.5360, 0.0654
CMYK	0.00, 0.54, 0.07, 0.00
HSL	307°, 100%, 73%
HSV	307°, 54%, 100%
XYZ	63.7527, 40.7494, 85.6479
YIQ	172.6430, 43.1320, 66.3640

Conversions

Conversions Part 2

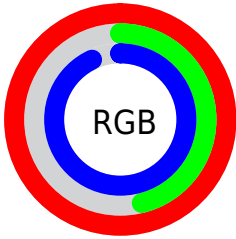
Format	Color
RYB	255, 118, 238
Decimal	16742126
CIELab	70.00, 66.99, -36.35
CIElCh	70, 76.215, 331.518
Yxy	40.7494, 0.3353, 0.2143
Android (android.graphics.Color)	4294932206 (0xFFFF76EE)
YUV	172.6430, 32.2210, 72.2271
Hunter-Lab	63.8353, 66.5575, -34.8648

Details

The CIELCh color **70, 76.215, 331.518** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **90, 76.719, 143.126**, 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, 76.356, 331.048** is the 20% darker color. If you saturate the color by 10%, you get **66, 87.078, 331.768**, and if you desaturate by 10%, it is **75, 63.225, 330.579**.

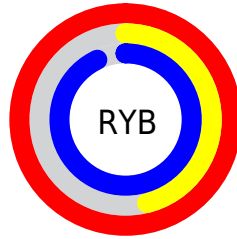
Distribution



Red (100%)

Green (46%)

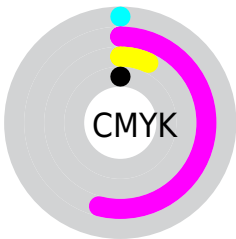
Blue (93%)



Red (100%)

Yellow (46%)

Blue (93%)

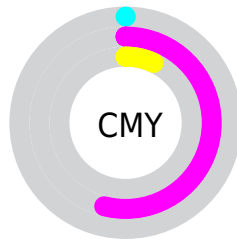


Cyan (0%)

Magenta (54%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 76.215, 331.518 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, 76.215, 331.518 by changing the saturation by 10% instead.


 70, 76.215,
331.518


 70, 76.215,
331.518


 100, 76.215,
331.518


 60, 76.215,
331.518


 90, 76.215,
331.518


 50, 76.215,
331.518

 40, 76.215,
331.518

 30, 76.215,
331.518

 20, 76.215,
331.518

 10, 76.215,
331.518

 0, 76.215, 331.518

70, 76.215,
331.518

70, 76.215,
331.518

66, 87.078,
331.768

75, 63.225,
330.579

63, 95.743,
332.344

80, 49.287,
329.968

60, 101.536,
332.916

85, 34.736,
329.353

59, 104.308,
333.504

91, 19.967,
328.738

59, 104.835,
333.895

98, 5.255, 328.095

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, 76.215, 331.518



90, 76.719, 143.126

Rectangle

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



70, 76.215, 331.518



70, 76.215, 21.518



70, 76.215, 151.518



70, 76.215, 201.518

Sweetspot

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



70, 76.029, 331.180



90, 23.515, 328.886



57, 77.481, 301.123



47, 15.887, 329.012



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, 76.029, 331.180



66, 87.475, 331.791



67, 57.243, 357.510



50, 8.328, 328.485



44, 84.578, 333.785



12, 39.359, 333.037

Inverse Universe

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



70, 76.029, 331.180



66, 87.475, 331.791



92, 51.311, 164.388



50, 8.328, 328.485



44, 84.578, 333.785



12, 39.359, 333.037

Previews

White Background



This preview shows how the CIELCh color 70, 76.215, 331.518 looks on a white background.

Color Contrast Check

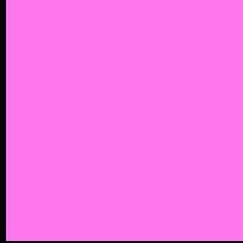
Large Text (above 18pt) WCAG AA × Fail

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, 76.215, 331.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

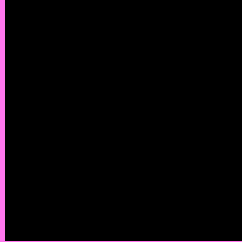
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 76.215, 331.518

Background



This preview shows how black text looks on a background with the CIELCh color 70, 76.215, 331.518.

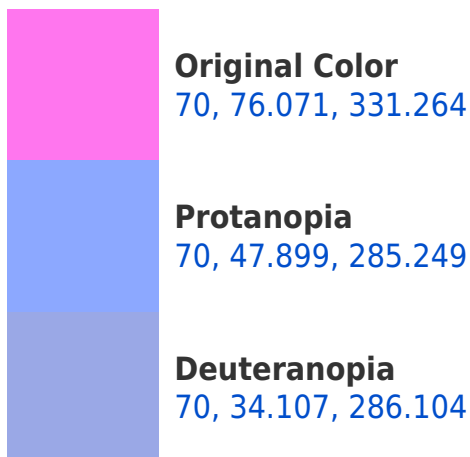


This preview shows how white text looks on a background with the CIELCh color 70, 76.215, 331.518.

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, 42.621, 16.762

Trichromacy



Original Color
70, 76.071, 331.264



Protanomaly
68, 55.489, 305.436



Deuteranomaly
69, 47.702, 310.648



Tritanomaly
69, 50.456, 353.259

Monochromacy



Original Color
70, 76.071, 331.264



Achromatopsia
71, 0.009, 296.813



Achromatomaly
69, 30.168, 329.332

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 76.215, 331.518 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 76.215, 331.518 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, 238) }
```

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

```
.border{ border-color:rgb(255, 118, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 76.215, 331.518 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, 238) }
```

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

```
.background{ background-color: rgb(255,  
118, 238) }
```

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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