

Converting Colors

CIELCh(90, 108.765, 330.674)

Have a look what the booklet for
CIELCh(90, 108.765, 330.674)
contains.

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Color

CIELCh(75, 70.214, 326.821)

Conversions

Conversions Part 1

Format	Color
Hex	FF8EFF
RGB	255, 142, 255
RGB Percent	100%, 56%, 100%
CMY	0.0000, 0.4419, 0.0000
CMYK	0.00, 0.44, 0.00, 0.00
HSL	300°, 100%, 78%
HSV	300°, 44%, 100%
XYZ	69.7559, 48.2781, 101.4194
YIQ	188.6690, 31.0750, 59.0990

Conversions

Conversions Part 2

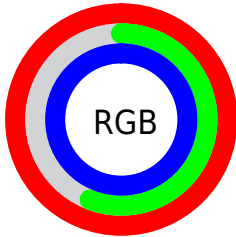
Format	Color
R_{YB}	255, 142, 255
Decimal	16748287
CIE _{Lab}	75.00, 58.77, -38.43
CIE _{LCh}	75, 70.214, 326.821
Yxy	48.2781, 0.3179, 0.2200
Android (android.graphics.Color)	4294938367 (0xFFFF8EFF)
YUV	188.6690, 32.7012, 58.1723
Hunter-Lab	69.4824, 57.6083, -37.9044

Details

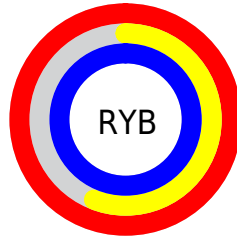
The CIELCh color $75, 70.214, 326.821$ is a light color, and the websafe version is hex FF99FF . A complement of this color would be $91, 69.700, 140.927$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 35.751, 325.667$, and $55, 69.721, 326.731$ is the 20% darker color. If you saturate the color by 10%, you get $70, 83.244, 327.240$, and if you desaturate by 10%, it is $80, 54.430, 326.300$.

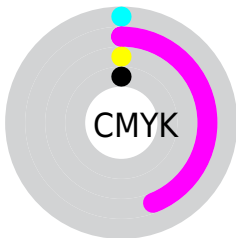
Distribution



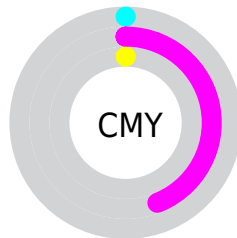
- Red (100%)
- Green (56%)
- Blue (100%)



- Red (100%)
- Yellow (56%)
- Blue (100%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 70.214, 326.821 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 75, 70.214, 326.821 by changing the saturation by 10% instead.


 75, 70.214,
326.821


 75, 70.214,
326.821


 100, 70.214,
326.821


 65, 70.214,
326.821


 95, 70.214,
326.821

 55, 70.214,
326.821

 45, 70.214,
326.821

 35, 70.214,
326.821

 25, 70.214,
326.821

 15, 70.214,
326.821

 5, 70.214, 326.821

0, 70.214, 326.821

75, 70.214,
326.821

75, 70.214,
326.821

70, 83.244,
327.240

80, 54.430,
326.300

67, 95.139,
327.614

85, 38.683,
325.767

64, 104.548,
327.903

91, 22.654,
325.213

62, 111.045,
328.098

97, 6.653, 324.627

61, 114.561,
328.203

100, 0.012,
296.813

60, 115.567,
328.233

Harmonies

Complementary

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



75, 70.214, 326.821



91, 69.700, 140.927

Rectangle

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



75, 70.214, 326.821



75, 70.214, 16.821



75, 70.214, 146.821



75, 70.214, 196.821

Sweetspot

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



75, 69.465, 326.797



92, 20.746, 325.146



64, 62.769, 296.420



48, 14.530, 325.270



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 69.465, 326.797



71, 81.692, 327.191



73, 50.271, 348.252



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233

Inverse Universe

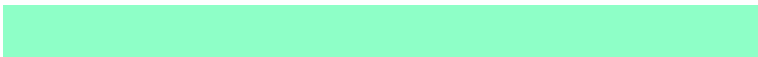
The Inverse Universe completely reimagines the original color for something new.



75, 69.465, 326.797



71, 81.692, 327.191



92, 47.770, 159.103



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIELCh color 75, 70.214, 326.821 looks on a white background.

Color Contrast Check

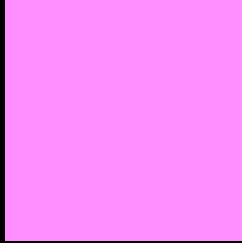
Large Text (above 18pt) WCAG AA × Fail

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 75, 70.214, 326.821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

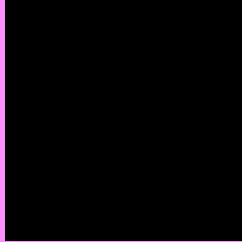
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 70.214, 326.821

Background



This preview shows how black text looks on a background with the CIELCh color 75, 70.214, 326.821.



This preview shows how white text looks on a background with the CIELCh color 75, 70.214, 326.821.

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

75, 69.646, 326.803

Protanopia

75, 39.676, 284.656

Deuteranopia

75, 35.780, 286.006



Tritanopia
75, 33.380, 11.631

Trichromacy



Original Color
75, 69.646, 326.803



Protanomaly
74, 48.075, 304.552



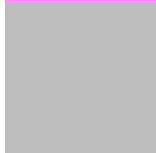
Deuteranomaly
74, 46.211, 306.547

Tritanomaly
75, 43.126, 346.527

Monochromacy



Original Color
75, 69.646, 326.803



Achromatopsia
77, 0.009, 296.813



Achromatomaly
75, 26.596, 325.485

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 70.214, 326.821 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, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 255)  
}
```

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, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 70.214, 326.821 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, 142, 255) }
```

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

```
.border{ border-color:rgb(255, 142, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 70.214, 326.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 255) }
```

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

```
.background{ background-color: rgb(255,  
142, 255) }
```

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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