

Converting Colors

CIELCh(73, 68.432, 322.860)

Have a look what the booklet for
CIELCh(73, 68.432, 322.860)
contains.

CIELCh(73, 67.960, 323.079)	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(73, 67.960, 323.079)

Conversions

Conversions Part 1

Format	Color
Hex	F18EFF
RGB	241, 142, 255
RGB Percent	95%, 56%, 100%
CMY	0.0557, 0.4438, 0.0008
CMYK	0.05, 0.44, 0.00, 0.00
HSL	293°, 100%, 78%
HSV	293°, 44%, 100%
XYZ	63.8718, 45.1644, 99.7943
YIQ	184.4830, 22.7310, 56.1310

Conversions

Conversions Part 2

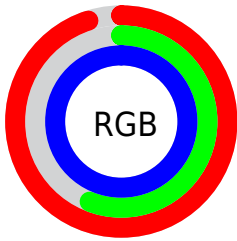
Format	Color
R_{YB}	241, 142, 255
Decimal	15830783
CIE _{Lab}	73.00, 54.33, -40.82
CIE _{LCh}	73, 67.960, 323.079
Yxy	45.1644, 0.3059, 0.2163
Android (android.graphics.Color)	4294020863 (0xFFFF18EFF)
YUV	184.4830, 34.7649, 49.5654
Hunter-Lab	67.2044, 52.0403, -40.9987

Details

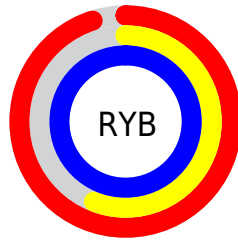
The CIELCh color **73, 67.960, 323.079** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **92, 67.361, 138.158**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 35.751, 325.667**, and **53, 68.048, 323.063** is the 20% darker color. If you saturate the color by 10%, you get **68, 81.890, 323.435**, and if you desaturate by 10%, it is **79, 53.031, 322.656**.

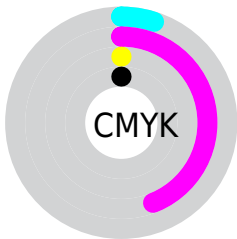
Distribution



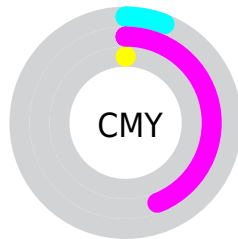
- Red (95%)
- Green (56%)
- Blue (100%)



- Red (95%)
- Yellow (56%)
- Blue (100%)



- Cyan (5%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (44%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 67.960, 323.079 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 73, 67.960, 323.079 by changing the saturation by 10% instead.


 73, 67.960,
323.079


 73, 67.960,
323.079


 100, 67.960,
323.079


 63, 67.960,
323.079


 93, 67.960,
323.079

 53, 67.960,
323.079

 43, 67.960,
323.079

 33, 67.960,
323.079

 23, 67.960,
323.079

 13, 67.960,
323.079

 3, 67.960, 323.079

■ 0, 67.960, 323.079

■ 73, 67.960,
323.079

■ 73, 67.960,
323.079

■ 68, 81.890,
323.435

■ 79, 53.031,
322.656

■ 64, 94.205,
323.693

■ 85, 37.612,
322.193

■ 60, 104.223,
323.818

■ 91, 22.063,
321.709

■ 57, 111.367,
323.779

■ 97, 6.631, 321.201

■ 56, 115.392,
323.557

100, 0.087,
109.284

■ 55, 116.594,
323.367

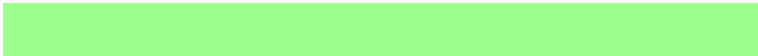
Harmonies

Complementary

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



73, 67.960, 323.079



92, 67.361, 138.158

Rectangle

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



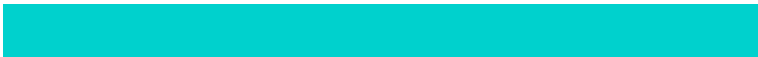
73, 67.960, 323.079



73, 67.960, 13.079



73, 67.960, 143.079



73, 67.960, 193.079

Sweetspot

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



73, 67.957, 323.079



92, 19.994, 321.643



67, 54.005, 290.980



48, 14.010, 321.752



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 67.957, 323.079



69, 80.149, 323.393



73, 54.544, 340.905



50, 8.722, 321.470



41, 93.942, 323.447



11, 43.150, 324.005

Inverse Universe

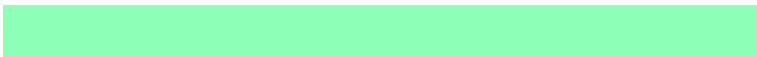
The Inverse Universe completely reimagines the original color for something new.



71, 45.556, 14.896



67, 55.249, 16.839



92, 53.466, 152.877



50, 5.313, 9.979



40, 78.803, 34.660



10, 32.442, 22.117

Previews

White Background



This preview shows how the CIELCh color 73, 67.960, 323.079 looks on a white background.

Color Contrast Check

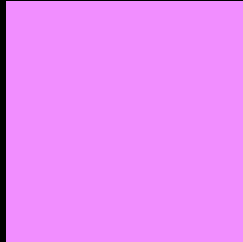
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 73, 67.960, 323.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

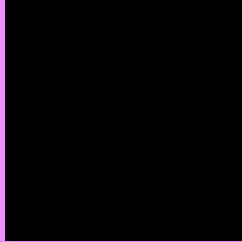
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 67.960, 323.079

Background



This preview shows how black text looks on a background with the CIELCh color 73, 67.960, 323.079.



This preview shows how white text looks on a background with the CIELCh color 73, 67.960, 323.079.

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

73, 67.960, 323.079

Protanopia

73, 42.576, 284.971

Deuteranopia

73, 38.774, 284.825



Tritanopia
73, 28.041, 7.757

Trichromacy



Original Color
73, 67.960, 323.079



Protanomaly
72, 50.158, 302.463



Deuteranomaly
72, 47.555, 303.170

Tritanomaly
73, 39.673, 340.701

Monochromacy



Original Color
73, 67.960, 323.079



Achromatopsia
75, 0.009, 296.813



Achromatomaly
74, 25.756, 322.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 67.960, 323.079 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(241, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 142, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 67.960, 323.079 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(241, 142, 255) }
```

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

```
.border{ border-color:rgb(241, 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(241, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 142,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 67.960, 323.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 142, 255) }
```

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

```
.background{ background-color: rgb(241,  
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](#).

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