

Converting Colors

CIELCh(76, 96.874, 313.669)

Have a look what the booklet for
CIELCh(76, 96.874, 313.669)
contains.

CIELCh(73, 67.848, 322.809)	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, 67.848, 322.809)

Conversions

Conversions Part 1

Format	Color
Hex	F08EFF
RGB	240, 142, 255
RGB Percent	94%, 56%, 100%
CMY	0.0583, 0.4426, 0.0000
CMYK	0.06, 0.44, 0.00, 0.00
HSL	292°, 100%, 78%
HSV	292°, 44%, 100%
XYZ	63.7484, 45.1644, 100.0841
YIQ	184.1840, 22.1350, 55.9190

Conversions

Conversions Part 2

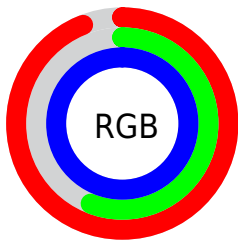
Format	Color
R _Y B	240, 142, 255
Decimal	15765247
CIE _{Lab}	73.00, 54.05, -41.01
CIE _{LCh}	73, 67.848, 322.809
Y _{xy}	45.1644, 0.3050, 0.2161
Android (android.graphics.Color)	4293955327 (0xFFFF08EFF)
YUV	184.1840, 34.9123, 48.9506
Hunter-Lab	67.2044, 51.7126, -41.2544

Details

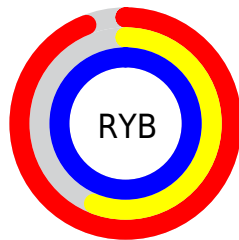
The CIELCh color **73, 67.848, 322.809** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **92, 67.128, 137.979**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 35.751, 325.667**, and **53, 67.969, 322.781** is the 20% darker color. If you saturate the color by 10%, you get **68, 81.748, 323.194**, and if you desaturate by 10%, it is **79, 52.847, 322.421**.

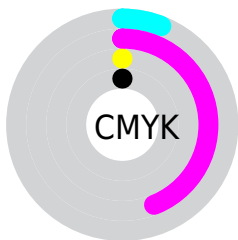
Distribution



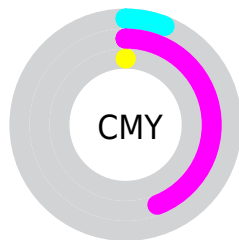
- Red (94%)
- Green (56%)
- Blue (100%)



- Red (94%)
- Yellow (56%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 67.848, 322.809 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, 67.848, 322.809 by changing the saturation by 10% instead.


 73, 67.848,
322.809


 73, 67.848,
322.809


 100, 67.848,
322.809


 63, 67.848,
322.809


 93, 67.848,
322.809

 53, 67.848,
322.809

 43, 67.848,
322.809

 33, 67.848,
322.809

 23, 67.848,
322.809

 13, 67.848,
322.809

 3, 67.848, 322.809

■ 0, 67.848, 322.809

■ 73, 67.848,
322.809

■ 73, 67.848,
322.809

■ 68, 81.748,
323.194

■ 79, 52.847,
322.421

■ 63, 94.117,
323.448

■ 85, 37.433,
321.960

■ 60, 104.207,
323.567

■ 91, 21.901,
321.480

■ 57, 111.430,
323.518

■ 97, 6.495, 320.974

■ 55, 115.523,
323.280

100, 0.012,
296.813

■ 55, 116.764,
323.075

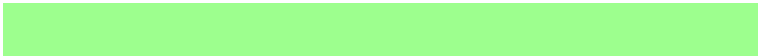
Harmonies

Complementary

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



73, 67.848, 322.809



92, 67.128, 137.979

Rectangle

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



73, 67.848, 322.809



73, 67.848, 12.809



73, 67.848, 142.809



73, 67.848, 192.809

Sweetspot

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



73, 67.784, 322.841



92, 19.950, 321.418



67, 53.930, 290.963



48, 13.980, 321.526



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, 67.784, 322.841



69, 80.063, 323.155



73, 54.483, 340.897



50, 8.703, 321.246



41, 94.022, 323.160



10, 43.180, 323.751

Inverse Universe

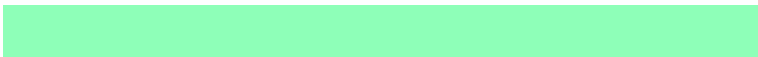
The Inverse Universe completely reimagines the original color for something new.



72, 45.472, 14.295



67, 55.183, 16.256



92, 53.406, 152.887



50, 5.322, 9.372



40, 78.415, 34.211



10, 32.393, 21.793

Previews

White Background



This preview shows how the CIELCh color 73, 67.848, 322.809 looks on a white background.

Color Contrast Check

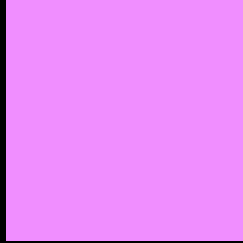
Large Text (above 18pt) WCAG AA × Fail

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, 67.848, 322.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

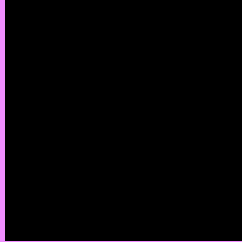
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 67.848, 322.809

Background



This preview shows how black text looks on a background with the CIELCh color 73, 67.848, 322.809.



This preview shows how white text looks on a background with the CIELCh color 73, 67.848, 322.809.

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, 67.848, 322.809

Protanopia
73, 42.576, 284.971

Deuteranopia
73, 38.774, 284.825



Tritanopia
73, 27.174, 8.348

Trichromacy



Original Color
73, 67.848, 322.809



Protanomaly
72, 50.123, 302.109



Deuteranomaly
72, 48.083, 303.094

Tritanomaly
73, 38.810, 340.485

Monochromacy



Original Color
73, 67.848, 322.809



Achromatopsia
75, 0.009, 296.813



Achromatomaly
73, 25.586, 321.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 67.848, 322.809 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(240, 142, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 142, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 142, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 67.848, 322.809 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(240, 142, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 142, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 142, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 142, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 142,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 67.848, 322.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 142, 255) }
```

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

```
.background{ background-color: rgb(240,  
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