

Converting Colors

CIELCh(69, 75.744, 322.239)

Have a look what the booklet for
CIELCh(69, 75.744, 322.239)
contains.

CIELCh(69, 75.451, 322.264)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(69, 75.451, 322.264)

Conversions

Conversions Part 1

Format	Color
Hex	E97EFD
RGB	233, 126, 253
RGB Percent	91%, 49%, 99%
CMY	0.0862, 0.5058, 0.0078
CMYK	0.08, 0.50, 0.00, 0.01
HSL	291°, 97%, 74%
HSV	291°, 50%, 99%
XYZ	58.8040, 39.3444, 97.4350
YIQ	172.4710, 23.0050, 62.1810

Conversions

Conversions Part 2

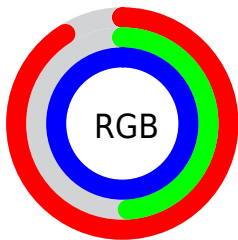
Format	Color
R _Y B	233, 126, 253
Decimal	15302397
CIE _{Lab}	69.00, 59.67, -46.18
CIE _{LCh}	69, 75.451, 322.264
Yxy	39.3444, 0.3007, 0.2012
Android (android.graphics.Color)	4293492477 (0xFFE97EFD)
YUV	172.4710, 39.7008, 53.0839
Hunter-Lab	62.7251, 57.5725, -48.1915

Details

The CIELCh color $69, 75.451, 322.264$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $91, 74.477, 136.893$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $83, 45.730, 326.007$, and $49, 75.609, 322.276$ is the 20% darker color. If you saturate the color by 10%, you get $64, 88.550, 322.551$, and if you desaturate by 10%, it is $74, 61.088, 321.889$.

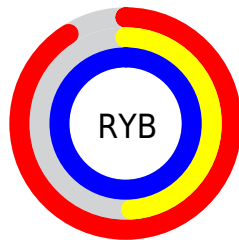
Distribution



Red (91%)

Green (49%)

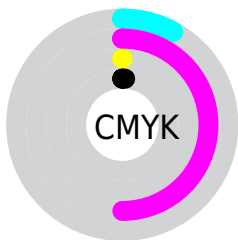
Blue (99%)



Red (91%)

Yellow (49%)

Blue (99%)

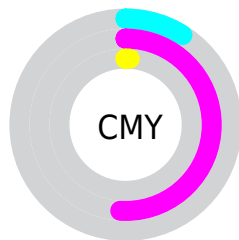


Cyan (8%)

Magenta (50%)

Yellow (0%)

Black (1%)



Cyan (9%)


Magenta (51%)


Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 75.451, 322.264 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 69, 75.451, 322.264 by changing the saturation by 10% instead.

 69, 75.451,
322.264

 69, 75.451,
322.264

 100, 75.451,
322.264


 59, 75.451,
322.264

 89, 75.451,
322.264

 49, 75.451,
322.264

 99, 75.451,
322.264

 39, 75.451,
322.264

 29, 75.451,
322.264

 19, 75.451,
322.264

 9, 75.451, 322.264

 0, 75.451, 322.264

69, 75.451,
322.264

69, 75.451,
322.264

64, 88.550,
322.551

74, 61.088,
321.889

60, 99.721,
322.711

80, 46.032,
321.458

57, 108.290,
322.705

86, 30.704,
320.997

55, 113.793,
322.500

93, 15.396,
320.522

53, 116.442,
322.114

99, 0.299, 319.201

100, 0.996,
110.026

Harmonies

Complementary

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



69, 75.451, 322.264



91, 74.477, 136.893

Rectangle

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



69, 75.451, 322.264



69, 75.451, 12.264



69, 75.451, 142.264



69, 75.451, 192.264

Sweetspot

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



69, 75.449, 322.264



90, 22.883, 320.752



64, 58.972, 290.674



47, 15.633, 320.852



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 75.449, 322.264



65, 88.869, 322.547



70, 62.054, 339.859



50, 8.638, 320.488



40, 94.313, 322.211



10, 43.289, 322.905

Inverse Universe

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



68, 51.622, 13.612



64, 62.508, 16.189



91, 61.293, 150.749



50, 5.357, 7.350



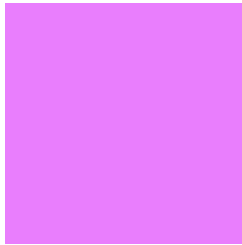
40, 77.095, 32.594



10, 32.236, 20.702

Previews

White Background



This preview shows how the CIELCh color 69, 75.451, 322.264 looks on a white background.

Color Contrast Check

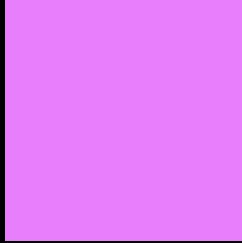
Large Text (above 18pt) WCAG AA × Fail

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 69, 75.451, 322.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

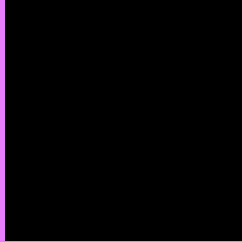
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 75.451, 322.264

Background



This preview shows how black text looks on a background with the CIELCh color 69, 75.451, 322.264.

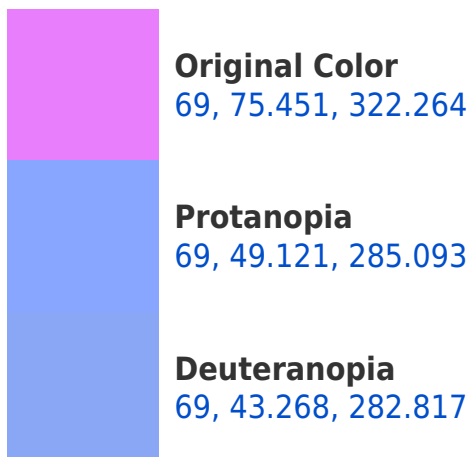


This preview shows how white text looks on a background with the CIELCh color 69, 75.451, 322.264.

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
69, 28.671, 10.363

Trichromacy



Original Color
69, 75.451, 322.264



Protanomaly
68, 57.171, 301.491



Deuteranomaly
68, 53.377, 301.713

Tritanomaly
69, 41.760, 340.285

Monochromacy



Original Color
69, 75.451, 322.264



Achromatopsia
70, 0.009, 296.813



Achromatomaly
69, 28.939, 321.267

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 75.451, 322.264 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(233, 126, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 126, 253)  
}
```

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(233, 126, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 126, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 75.451, 322.264 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(233, 126, 253) }
```

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

```
.border{ border-color:rgb(233, 126, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 126, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 126, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 126, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 126,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 75.451, 322.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 126, 253) }
```

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

```
.background{ background-color: rgb(233,  
126, 253) }
```

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