

Converting Colors

CIELCh(72, 67.998, 320.644)

Have a look what the booklet for
CIELCh(72, 67.998, 320.644)
contains.

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Color

CIELCh(72, 67.696, 320.973)

Conversions

Conversions Part 1

Format	Color
Hex	E98DFF
RGB	233, 141, 255
RGB Percent	91%, 55%, 100%
CMY	0.0858, 0.4466, 0.0000
CMYK	0.09, 0.45, 0.00, 0.00
HSL	288°, 100%, 78%
HSV	288°, 45%, 100%
XYZ	61.2601, 43.6590, 99.9156
YIQ	181.5040, 18.2380, 54.9580

Conversions

Conversions Part 2

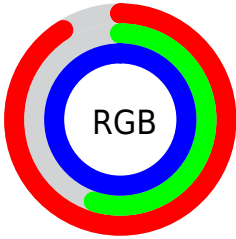
Format	Color
R _Y B	233, 141, 255
Decimal	15306239
CIE Lab	72.00, 52.59, -42.63
CIE LCh	72, 67.696, 320.973
Yxy	43.6590, 0.2991, 0.2131
Android (android.graphics.Color)	4293496319 (0xFFE98DFF)
YUV	181.5040, 36.2335, 45.1620
Hunter-Lab	66.0750, 49.8616, -43.4031

Details

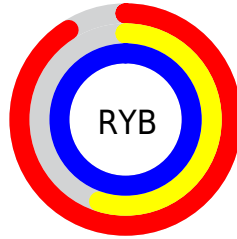
The CIELCh color $72, 67.696, 320.973$ is a light color, and the websafe version is hex $FF99FF$. A complement of this color would be $92, 66.470, 136.435$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $86, 36.378, 325.689$, and $52, 68.021, 320.877$ is the 20% darker color. If you saturate the color by 10%, you get $67, 81.665, 321.332$, and if you desaturate by 10%, it is $78, 52.746, 320.598$.

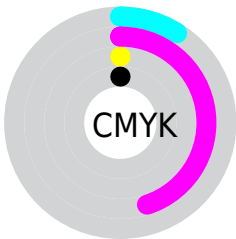
Distribution



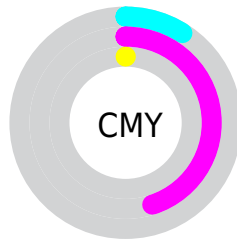
- Red (91%)
- Green (55%)
- Blue (100%)



- Red (91%)
- Yellow (55%)
- Blue (100%)



- Cyan (9%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (45%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 67.696, 320.973 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 72, 67.696, 320.973 by changing the saturation by 10% instead.


 72, 67.696,
320.973


 72, 67.696,
320.973


 100, 67.696,
320.973


 62, 67.696,
320.973


 92, 67.696,
320.973

 52, 67.696,
320.973

 42, 67.696,
320.973

 32, 67.696,
320.973

 22, 67.696,
320.973

 12, 67.696,
320.973

 2, 67.696, 320.973

■ 0, 67.696, 320.973

■ 72, 67.696,
320.973

■ 72, 67.696,
320.973

■ 67, 81.665,
321.332

■ 78, 52.746,
320.598

■ 62, 94.215,
321.554

■ 84, 37.471,
320.157

■ 58, 104.574,
321.621

■ 90, 22.142,
319.698

■ 55, 112.086,
321.487

■ 97, 6.977, 319.221

■ 53, 116.407,
321.122

100, 0.012,
296.813

■ 52, 117.698,
320.851

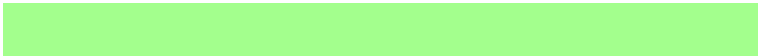
Harmonies

Complementary

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



72, 67.696, 320.973



92, 66.470, 136.435

Rectangle

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



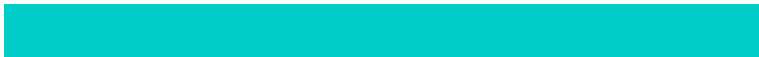
72, 67.696, 320.973



72, 67.696, 10.973



72, 67.696, 140.973



72, 67.696, 190.973

Sweetspot

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



72, 67.635, 321.001



91, 19.614, 319.621



69, 50.126, 287.656



47, 13.748, 319.723



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 67.635, 321.001



67, 80.781, 321.313



73, 57.359, 337.740



50, 8.553, 319.457



39, 94.754, 320.969



10, 43.453, 321.794

Inverse Universe

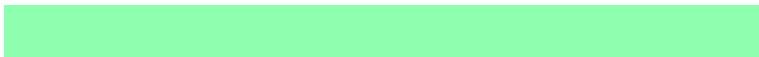
The Inverse Universe completely reimagines the original color for something new.



72, 45.918, 9.782



67, 55.958, 11.899



92, 56.788, 150.177



50, 5.414, 4.689



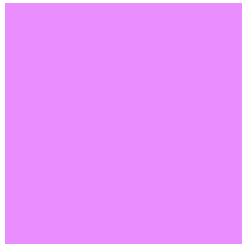
40, 75.340, 30.187



10, 32.031, 19.128

Previews

White Background



This preview shows how the CIELCh color 72, 67.696, 320.973 looks on a white background.

Color Contrast Check

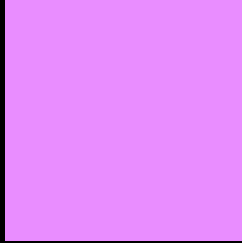
Large Text (above 18pt) WCAG AA × Fail

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 72, 67.696, 320.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

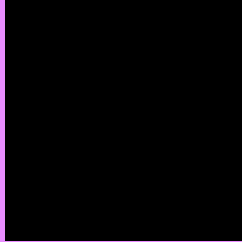
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 67.696, 320.973

Background



This preview shows how black text looks on a background with the CIELCh color 72, 67.696, 320.973.

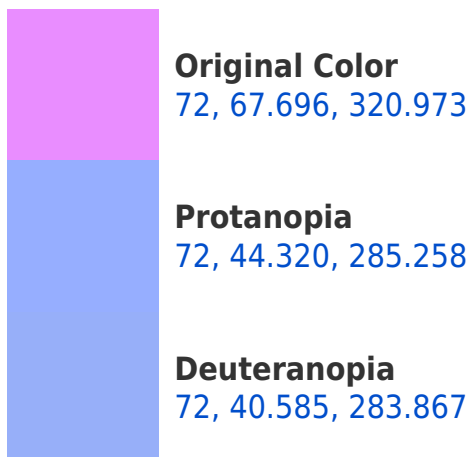


This preview shows how white text looks on a background with the CIELCh color 72, 67.696, 320.973.

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
72, 24.517, 6.508

Trichromacy



Original Color
72, 67.696, 320.973



Protanomaly
71, 51.193, 301.003



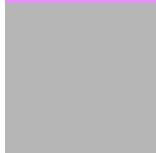
Deuteranomaly
72, 48.483, 301.196

Tritanomaly
72, 37.087, 337.482

Monochromacy



Original Color
72, 67.696, 320.973



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 25.935, 319.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 67.696, 320.973 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, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 141, 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(233, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 141, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 67.696, 320.973 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, 141, 255) }
```

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

```
.border{ border-color:rgb(233, 141, 255) }
```

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

Here you see how a box with a 4 pixel rgb(233, 141, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 141,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 67.696, 320.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 141, 255) }
```

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

```
.background{ background-color: rgb(233,  
141, 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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