

Converting Colors

CIELCh(72, 65.409, 319.419)

Have a look what the booklet for
CIELCh(72, 65.409, 319.419)
contains.

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Color

CIELCh(72, 65.416, 319.370)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E490FF |
| RGB | 228, 144, 255 |
| RGB Percent | 89%, 56%, 100% |
| CMY | 0.1059, 0.4353, 0.0000 |
| CMYK | 0.11, 0.44, 0.00, 0.00 |
| HSL | 285°, 100%, 78% |
| HSV | 285°, 44%, 100% |
| XYZ | 60.0162, 43.6590, 99.8690 |
| YIQ | 181.7700, 14.4330, 52.3290 |

Conversions

Conversions Part 2

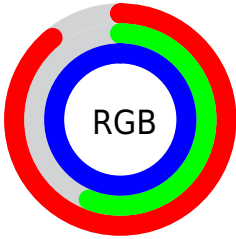
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 228, 144, 255 |
| Decimal | 14979327 |
| CIE Lab | 72.00, 49.65, -42.60 |
| CIE LCh | 72, 65.416, 319.370 |
| Yxy | 43.6590, 0.2949, 0.2145 |
| Android (android.graphics.Color) | 4293169407 (0xFFE490FF) |
| YUV | 181.7700, 36.1024, 40.5437 |
| Hunter-Lab | 66.0750, 46.5011, -43.3613 |

Details

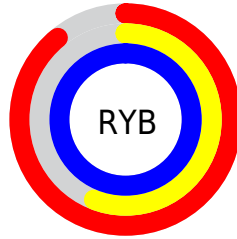
The CIELCh color **72, 65.416, 319.370** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **93, 63.859, 135.139**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 35.124, 325.645**, and **52, 65.453, 319.418** is the 20% darker color. If you saturate the color by 10%, you get **66, 79.661, 319.709**, and if you desaturate by 10%, it is **78, 50.480, 318.966**.

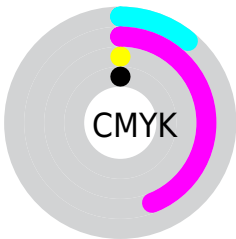
Distribution



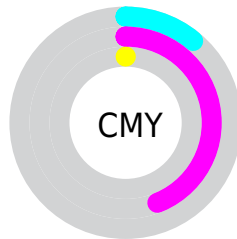
- Red (89%)
- Green (56%)
- Blue (100%)



- Red (89%)
- Yellow (56%)
- Blue (100%)



- Cyan (11%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (44%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 65.416, 319.370 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, 65.416, 319.370 by changing the saturation by 10% instead.


 72, 65.416,
319.370


 72, 65.416,
319.370


 100, 65.416,
319.370


 62, 65.416,
319.370


 92, 65.416,
319.370

 52, 65.416,
319.370

 42, 65.416,
319.370

 32, 65.416,
319.370

 22, 65.416,
319.370

 12, 65.416,
319.370

 2, 65.416, 319.370

0, 65.416, 319.370

72, 65.416,
319.370

72, 65.416,
319.370

66, 79.661,
319.709

78, 50.480,
318.966

61, 92.631,
319.939

84, 35.292,
318.528

57, 103.600,
320.007

91, 20.140,
318.078

54, 111.837,
319.858

98, 5.205, 317.608

51, 116.859,
319.445

100, 0.011,
297.546

50, 118.657,
319.055

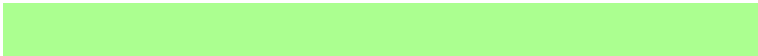
Harmonies

Complementary

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



72, 65.416, 319.370



93, 63.859, 135.139

Rectangle

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



72, 65.416, 319.370



72, 65.416, 9.370



72, 65.416, 139.370



72, 65.416, 189.370

Sweetspot

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



72, 65.414, 319.370



91, 19.345, 318.055



71, 45.736, 284.486



47, 13.563, 318.154



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, 65.414, 319.370



67, 77.551, 319.663



74, 57.898, 335.452



50, 8.433, 317.896



37, 95.505, 319.197



9, 43.733, 320.198

Inverse Universe

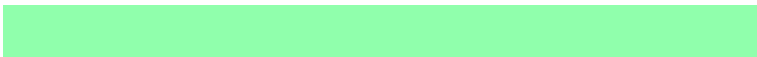
The Inverse Universe completely reimagines the original color for something new.



72, 44.971, 5.698



68, 53.939, 7.500



92, 57.605, 148.483



50, 5.520, 0.863



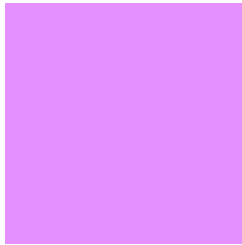
40, 72.919, 26.184



10, 31.736, 16.389

Previews

White Background



This preview shows how the CIELCh color 72, 65.416, 319.370 looks on a white background.

Color Contrast Check

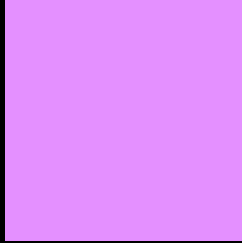
Large Text (above 18pt) WCAG AA × Fail

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 72, 65.416, 319.370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

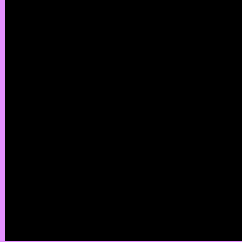
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 65.416, 319.370

Background



This preview shows how black text looks on a background with the CIELCh color 72, 65.416, 319.370.

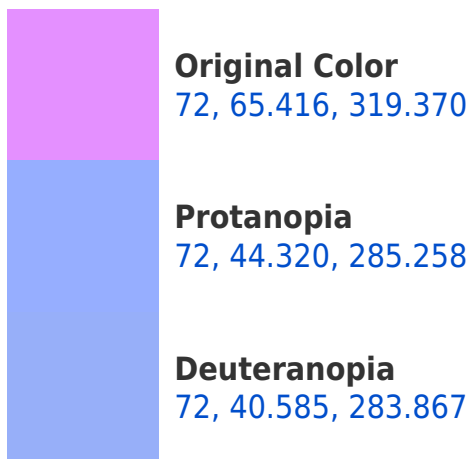


This preview shows how white text looks on a background with the CIELCh color 72, 65.416, 319.370.

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, 21.812, 4.239

Trichromacy



Original Color
72, 65.416, 319.370



Protanomaly
71, 50.534, 299.989



Deuteranomaly
72, 47.817, 300.117

Tritanomaly
72, 35.004, 334.815

Monochromacy



Original Color
72, 65.416, 319.370



Achromatopsia
74, 0.009, 296.813



Achromatomaly
73, 24.967, 318.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 65.416, 319.370 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(228, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 144, 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(228, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 144, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 65.416, 319.370 is called "border". The border property can be set on classes, ids or directly on the HTML element.

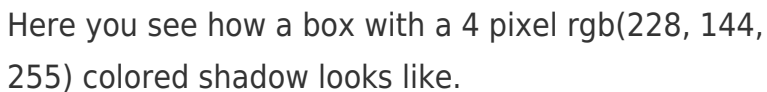
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 144, 255) }
```

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

```
.border{ border-color:rgb(228, 144, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 144, 255); box-shadow:4px 4px 4px 4px rgb(228, 144, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 65.416, 319.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 144, 255) }
```

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

```
.background{ background-color: rgb(228,  
144, 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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