

Converting Colors

CIELCh(72, 40.969, 288.137)

Have a look what the booklet for
CIELCh(72, 40.969, 288.137)
contains.

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Color

CIELCh(72, 40.927, 288.111)

Conversions

Conversions Part 1

Format	Color
Hex	9EACF7
RGB	158, 172, 247
RGB Percent	62%, 67%, 97%
CMY	0.3791, 0.3243, 0.0301
CMYK	0.36, 0.30, 0.00, 0.03
HSL	231°, 85%, 80%
HSV	231°, 36%, 97%
XYZ	45.8137, 43.6590, 94.2756
YIQ	176.3640, -32.4190, 20.3570

Conversions

Conversions Part 2

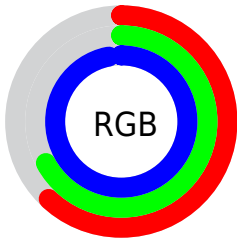
Format	Color
RYB	158, 170, 247
Decimal	10398967
CIELab	72.00, 12.72, -38.90
CIELCh	72, 40.927, 288.111
Yxy	43.6590, 0.2493, 0.2376
Android (android.graphics.Color)	4288589047 (0xFF9EACF7)
YUV	176.3640, 34.8235, -16.1052
Hunter-Lab	66.0750, 8.1336, -38.3423

Details

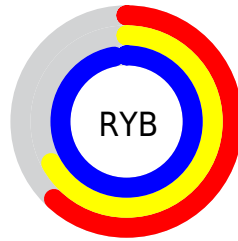
The CIELCh color `72, 40.927, 288.111` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `92, 38.644, 98.762`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 14.997, 275.851`, and `52, 40.733, 287.981` is the 20% darker color. If you saturate the color by 10%, you get `65, 53.260, 290.172`, and if you desaturate by 10%, it is `79, 29.042, 286.343`.

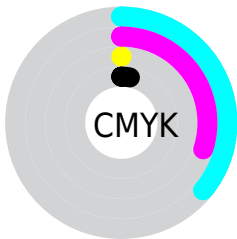
Distribution



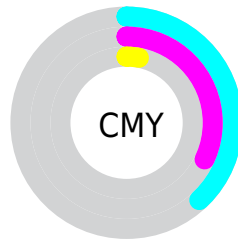
- Red (62%)
- Green (67%)
- Blue (97%)



- Red (62%)
- Yellow (67%)
- Blue (97%)



- Cyan (36%)
- Magenta (30%)
- Yellow (0%)
- Black (3%)





- Cyan (38%)
- Magenta (32%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 40.927, 288.111 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, 40.927, 288.111 by changing the saturation by 10% instead.


 72, 40.927,
288.111


 72, 40.927,
288.111


 100, 40.927,
288.111


 62, 40.927,
288.111


 92, 40.927,
288.111

 52, 40.927,
288.111

 42, 40.927,
288.111

 32, 40.927,
288.111

 22, 40.927,
288.111

 12, 40.927,
288.111

 2, 40.927, 288.111

■ 0, 40.927, 288.111

■ 72, 40.927,
288.111

■ 72, 40.927,
288.111

■ 65, 53.260,
290.172

■ 79, 29.042,
286.343

■ 58, 66.064,
292.539

■ 86, 17.572,
284.837

■ 52, 79.290,
295.186

■ 93, 6.482, 283.564

■ 45, 92.707,
298.010

■ 100, 3.878,
109.868

■ 40, 105.697,
300.805

■ 36, 117.086,
303.279

■ 34, 120.894,
304.082

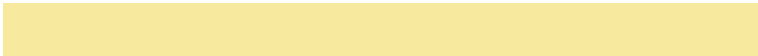
Harmonies

Complementary

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



72, 40.927, 288.111



92, 38.644, 98.762

Rectangle

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



72, 40.927, 288.111



72, 40.927, 338.111



72, 40.927, 108.111



72, 40.927, 158.111

Sweetspot

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



72, 40.926, 288.111



92, 12.296, 284.176



92, 29.947, 182.541



48, 8.280, 284.351



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, 40.926, 288.111



69, 50.773, 289.539



71, 49.712, 305.450



47, 6.132, 283.982



25, 96.427, 303.711



5, 35.557, 296.920

Inverse Universe

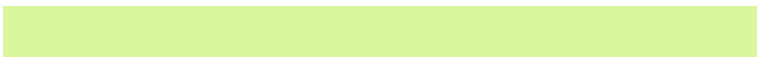
The Inverse Universe completely reimagines the original color for something new.



74, 35.478, 10.823



72, 44.053, 12.104



93, 46.278, 121.046



48, 5.180, 7.371



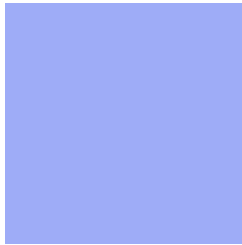
39, 75.496, 32.512



8, 30.171, 18.586

Previews

White Background



This preview shows how the CIELCh color 72, 40.927, 288.111 looks on a white background.

Color Contrast Check

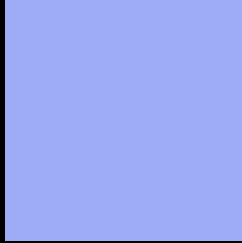
Large Text (above 18pt) WCAG AA × Fail

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, 40.927, 288.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

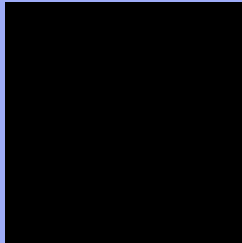
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 40.927, 288.111

Background



This preview shows how black text looks on a background with the CIELCh color 72, 40.927, 288.111.



This preview shows how white text looks on a background with the CIELCh color 72, 40.927, 288.111.

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

72, 40.927, 288.111

Protanopia

72, 40.514, 285.079

Deuteranopia

72, 40.021, 284.486



Tritanopia
72, 14.210, 233.922

Trichromacy



Original Color
72, 40.927, 288.111

Protanomaly
72, 40.990, 286.478

Deuteranomaly
72, 40.488, 285.907

Tritanomaly
72, 21.693, 268.121

Monochromacy



Original Color
72, 40.927, 288.111

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 15.319, 285.145

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 40.927, 288.111 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(158, 172, 247)` looks like.

```
.text, #text, p{  
    color:rgb(158, 172, 247)  
}
```

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(158, 172, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 172, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 40.927, 288.111 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(158, 172, 247) }
```

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

```
.border{ border-color:rgb(158, 172, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 172, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 172, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 172, 247);  
box-shadow:4px 4px 4px 4px rgb(158, 172,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 40.927, 288.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 172, 247) }
```

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

```
.background{ background-color: rgb(158,  
172, 247) }
```

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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