

Converting Colors

CIELCh(72, 47.027, 296.149)

Have a look what the booklet for
CIELCh(72, 47.027, 296.149)
contains.

CIELCh(72, 47.493, 296.407)	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(72, 47.493, 296.407)

Conversions

Conversions Part 1

Format	Color
Hex	ACA7FE
RGB	172, 167, 254
RGB Percent	67%, 65%, 100%
CMY	0.3248, 0.3444, 0.0032
CMYK	0.32, 0.34, 0.00, 0.00
HSL	243°, 98%, 83%
HSV	243°, 34%, 100%
XYZ	48.8221, 43.6590, 99.7771
YIQ	178.4130, -24.9470, 28.1170

Conversions

Conversions Part 2

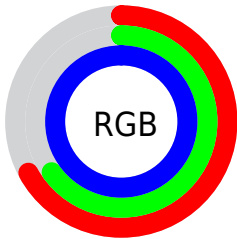
Format	Color
R _Y B	172, 167, 254
Decimal	11315198
CIE _{Lab}	72.00, 21.12, -42.54
CIE _{LCh}	72, 47.493, 296.407
Yxy	43.6590, 0.2539, 0.2271
Android (android.graphics.Color)	4289505278 (0xFFACA7FE)
YUV	178.4130, 37.2644, -5.6242
Hunter-Lab	66.0750, 16.2606, -43.2789

Details

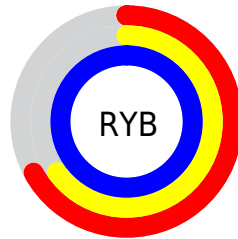
The CIELCh color $72, 47.493, 296.407$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $98, 43.583, 109.414$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 17.389, 299.395$, and $52, 47.621, 296.508$ is the 20% darker color. If you saturate the color by 10%, you get $64, 62.666, 298.005$, and if you desaturate by 10%, it is $80, 32.914, 295.022$.

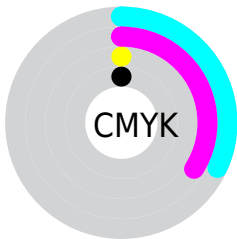
Distribution



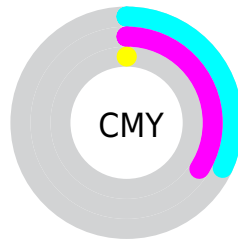
- Red (67%)
- Green (65%)
- Blue (100%)



- Red (67%)
- Yellow (65%)
- Blue (100%)



- Cyan (32%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (32%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 47.493, 296.407 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, 47.493, 296.407 by changing the saturation by 10% instead.


 72, 47.493,
296.407


 72, 47.493,
296.407


 100, 47.493,
296.407


 62, 47.493,
296.407


 92, 47.493,
296.407

 52, 47.493,
296.407

 42, 47.493,
296.407

 32, 47.493,
296.407

 22, 47.493,
296.407

 12, 47.493,
296.407

 2, 47.493, 296.407

■ 0, 47.493, 296.407

■ 72, 47.493,
296.407

■ 72, 47.493,
296.407

■ 64, 62.666,
298.005

■ 80, 32.914,
295.022

■ 56, 78.340,
299.800

■ 88, 18.936,
293.836

■ 49, 94.173,
301.721

■ 96, 5.525, 292.832

■ 42, 109.325,
303.605

■ 100, 0.400,
109.955

■ 37, 122.171,
305.177

■ 33, 130.551,
306.123

■ 32, 133.233,
306.406

Harmonies

Complementary

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



72, 47.493, 296.407



98, 43.583, 109.414

Rectangle

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



72, 47.493, 296.407



72, 47.493, 346.407



72, 47.493, 116.407



72, 47.493, 166.407

Sweetspot

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



72, 47.492, 296.407



92, 13.228, 293.390



93, 25.934, 202.827



48, 9.050, 293.535



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, 47.492, 296.407



67, 57.850, 297.466



76, 49.535, 312.404



49, 7.513, 293.340



23, 107.494, 306.450



4, 44.265, 302.910

Inverse Universe

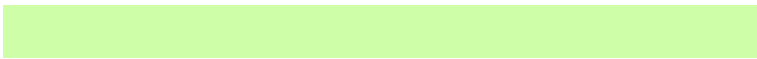
The Inverse Universe completely reimagines the original color for something new.



79, 52.299, 327.963



76, 62.339, 328.335



95, 47.444, 129.203



50, 8.709, 326.540



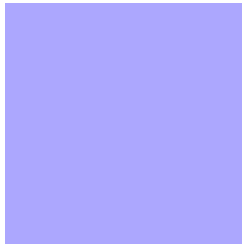
45, 88.966, 330.668



12, 41.152, 330.359

Previews

White Background



This preview shows how the CIELCh color 72, 47.493, 296.407 looks on a white background.

Color Contrast Check

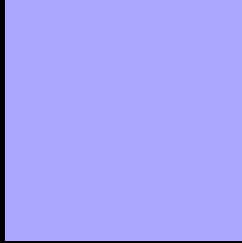
Large Text (above 18pt) WCAG AA × Fail

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, 47.493, 296.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

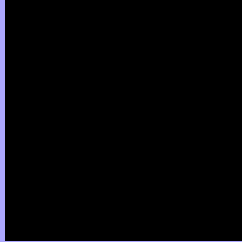
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 47.493, 296.407

Background



This preview shows how black text looks on a background with the CIELCh color 72, 47.493, 296.407.



This preview shows how white text looks on a background with the CIELCh color 72, 47.493, 296.407.

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

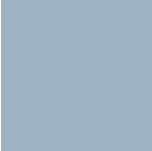
72, 47.493, 296.407

Protanopia

72, 44.320, 285.258

Deuteranopia

72, 42.849, 283.220



Tritanopia
72, 10.605, 249.655

Trichromacy



Original Color
72, 47.493, 296.407

Protanomaly
72, 45.205, 289.161

Deuteranomaly
72, 44.179, 288.179

Tritanomaly
72, 22.534, 282.977

Monochromacy



Original Color
72, 47.493, 296.407

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 16.908, 294.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 47.493, 296.407 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(172, 167, 254)` looks like.

```
.text, #text, p{  
    color:rgb(172, 167, 254)  
}
```

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(172, 167, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 167, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 47.493, 296.407 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(172, 167, 254) }
```

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

```
.border{ border-color:rgb(172, 167, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 167, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 167, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 167, 254);  
box-shadow:4px 4px 4px 4px rgb(172, 167,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 47.493, 296.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 167, 254) }
```

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

```
.background{ background-color: rgb(172,  
167, 254) }
```

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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