

Converting Colors

CIELCh(70, 47.839, 294.736)

Have a look what the booklet for
CIELCh(70, 47.839, 294.736)
contains.

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Color

CIELCh(70, 47.661, 294.702)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3FA
RGB	163, 163, 250
RGB Percent	64%, 64%, 98%
CMY	0.3618, 0.3618, 0.0207
CMYK	0.35, 0.35, 0.00, 0.02
HSL	240°, 89%, 81%
HSV	240°, 35%, 98%
XYZ	45.3157, 40.7494, 95.6953
YIQ	172.9180, -27.9270, 27.0570

Conversions

Conversions Part 2

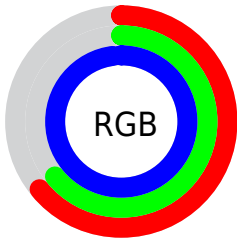
Format	Color
RYB	163, 163, 250
Decimal	10724346
CIELab	70.00, 19.92, -43.30
CIELCh	70, 47.661, 294.702
Yxy	40.7494, 0.2493, 0.2242
Android (android.graphics.Color)	4288914426 (0xFFA3A3FA)
YUV	172.9180, 38.0014, -8.6981
Hunter-Lab	63.8353, 15.0028, -44.1968

Details

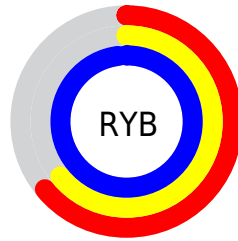
The CIELCh color `70, 47.661, 294.702` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `96, 43.638, 106.784`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `88, 19.364, 293.739`, and `50, 47.898, 294.945` is the 20% darker color. If you saturate the color by 10%, you get `62, 62.684, 296.531`, and if you desaturate by 10%, it is `78, 33.252, 293.128`.

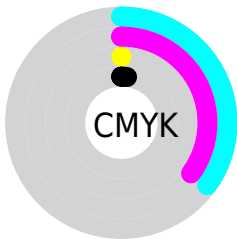
Distribution



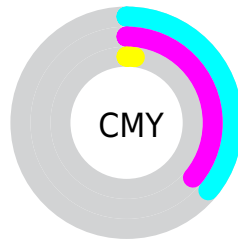
- Red (64%)
- Green (64%)
- Blue (98%)



- Red (64%)
- Yellow (64%)
- Blue (98%)



- Cyan (35%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)





- Cyan (36%)
- Magenta (36%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.661, 294.702 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 70, 47.661, 294.702 by changing the saturation by 10% instead.


 70, 47.661,
294.702


 70, 47.661,
294.702


 100, 47.661,
294.702


 60, 47.661,
294.702


 90, 47.661,
294.702

 50, 47.661,
294.702

 40, 47.661,
294.702

 30, 47.661,
294.702

 20, 47.661,
294.702

 10, 47.661,
294.702

 0, 47.661, 294.702

70, 47.661,
294.702

70, 47.661,
294.702

62, 62.684,
296.531

78, 33.252,
293.128

54, 78.239,
298.599

86, 19.451,
291.792

47, 93.982,
300.824

94, 6.217, 290.667

40, 109.016,
303.011

100, 2.663,
109.950

35, 121.581,
304.838

32, 129.431,
305.963

32, 131.708,
306.286

Harmonies

Complementary

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



70, 47.661, 294.702



96, 43.638, 106.784

Rectangle

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



70, 47.661, 294.702



70, 47.661, 344.702



70, 47.661, 114.702



70, 47.661, 164.702

Sweetspot

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



70, 47.660, 294.702



92, 13.209, 291.224



93, 27.433, 196.116



48, 9.037, 291.384



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 47.660, 294.702



65, 59.370, 295.995



74, 49.239, 310.265



48, 7.379, 291.166



23, 106.702, 306.285



3, 42.021, 300.804

Inverse Universe

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



75, 34.898, 22.574



73, 43.868, 23.702



94, 46.746, 126.824



49, 5.167, 19.930



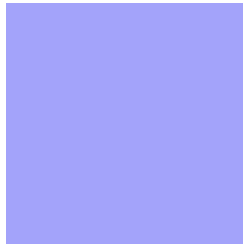
39, 83.385, 39.994



9, 32.194, 26.134

Previews

White Background



This preview shows how the CIELCh color 70, 47.661, 294.702 looks on a white background.

Color Contrast Check

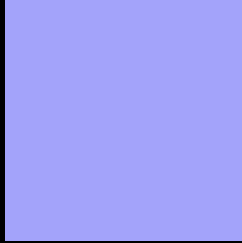
Large Text (above 18pt) WCAG AA × Fail

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 70, 47.661, 294.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

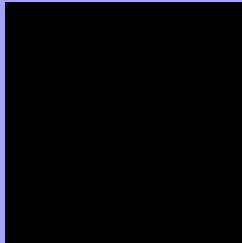
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 47.661, 294.702

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.661, 294.702.



This preview shows how white text looks on a background with the CIELCh color 70, 47.661, 294.702.

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

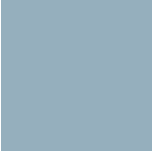
70, 47.661, 294.702

Protanopia

70, 47.304, 285.695

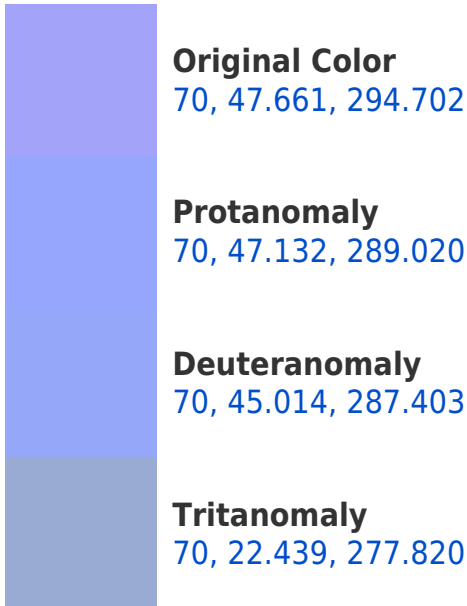
Deuteranopia

70, 43.184, 282.352

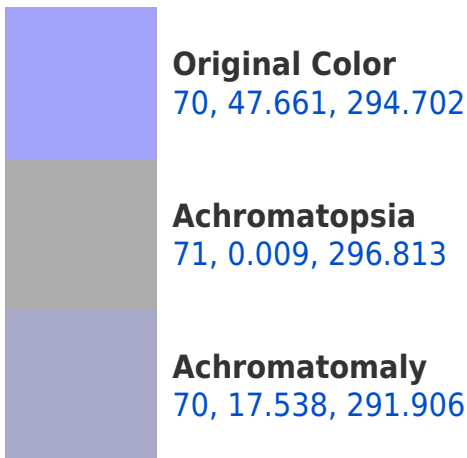


Tritanopia
70, 11.680, 240.079

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.661, 294.702 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(163, 163, 250)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 250)  
}
```

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(163, 163, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.661, 294.702 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(163, 163, 250) }
```

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

```
.border{ border-color:rgb(163, 163, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 250);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.661, 294.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 250) }
```

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

```
.background{ background-color: rgb(163,  
163, 250) }
```

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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