

Converting Colors

CIELCh(70, 47.874, 280.437)

Have a look what the booklet for
CIELCh(70, 47.874, 280.437)
contains.

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Color

CIELCh(70, 47.380, 280.285)

Conversions

Conversions Part 1

Format	Color
Hex	80ABFF
RGB	128, 171, 255
RGB Percent	50%, 67%, 100%
CMY	0.4998, 0.3313, 0.0000
CMYK	0.50, 0.33, 0.00, 0.00
HSL	220°, 100%, 75%
HSV	220°, 50%, 100%
XYZ	41.4437, 40.7494, 100.7556
YIQ	167.7190, -52.5920, 17.0080

Conversions

Conversions Part 2

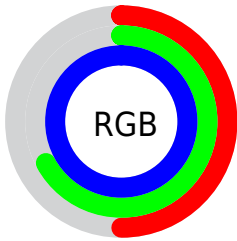
Format	Color
RYB	128, 160, 255
Decimal	8432639
CIELab	70.00, 8.46, -46.62
CIELCh	70, 47.380, 280.285
Yxy	40.7494, 0.2265, 0.2227
Android (android.graphics.Color)	4286622719 (0xFF80ABFF)
YUV	167.7190, 43.0295, -34.8336
Hunter-Lab	63.8353, 4.1756, -48.8968

Details

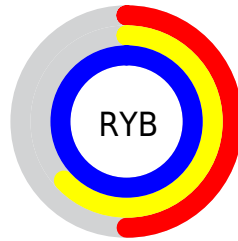
The CIELCh color **70, 47.380, 280.285** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **87, 47.408, 84.117**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 19.491, 250.163**, and **50, 47.014, 280.221** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.064, 283.016**, and if you desaturate by 10%, it is **76, 37.345, 277.661**.

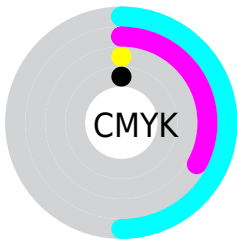
Distribution



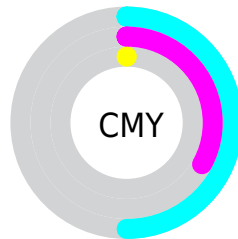
- Red (50%)
- Green (67%)
- Blue (100%)



- Red (50%)
- Yellow (63%)
- Blue (100%)



- Cyan (50%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 47.380, 280.285 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, 47.380, 280.285 by changing the saturation by 10% instead.

 70, 47.380,
280.285

 70, 47.380,
280.285

 100, 47.380,
280.285

 60, 47.380,
280.285

 90, 47.380,
280.285

 50, 47.380,
280.285

 40, 47.380,
280.285

 30, 47.380,
280.285

 20, 47.380,
280.285

 10, 47.380,
280.285

 0, 47.380, 280.285

■ 70, 47.380,
280.285

■ 70, 47.380,
280.285

■ 64, 57.064,
283.016

■ 76, 37.345,
277.661

■ 59, 67.300,
286.265

■ 82, 27.778,
275.533

■ 53, 77.825,
289.821

■ 88, 18.370,
273.722

■ 48, 88.563,
293.531

■ 94, 9.108, 272.187

■ 44, 99.259,
297.112

100, 0.012,
296.813

■ 44, 99.284,
297.120

Harmonies

Complementary

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



70, 47.380, 280.285



87, 47.408, 84.117

Rectangle

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



70, 47.380, 280.285



70, 47.380, 330.285



70, 47.380, 100.285



70, 47.380, 150.285

Sweetspot

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



70, 47.094, 280.146



91, 13.742, 272.925



92, 46.935, 167.051



47, 9.390, 273.254



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, 47.094, 280.146



64, 57.087, 283.024



61, 71.801, 301.440



50, 5.189, 272.121



33, 78.526, 296.484



8, 31.497, 291.315

Inverse Universe

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



69, 52.801, 0.085



64, 62.630, 2.367



96, 62.912, 112.390



50, 5.776, 354.294



40, 69.557, 17.849



10, 31.338, 10.021

Previews

White Background



This preview shows how the CIELCh color 70, 47.380, 280.285 looks on a white background.

Color Contrast Check

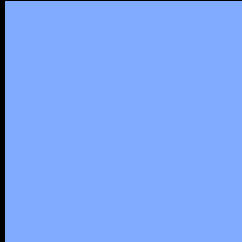
Large Text (above 18pt) WCAG AA × Fail

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, 47.380, 280.285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

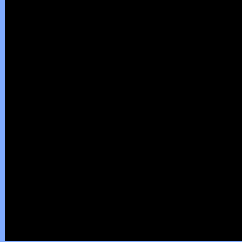
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

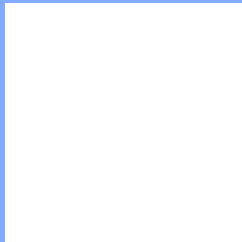
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 47.380, 280.285

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.380, 280.285.



This preview shows how white text looks on a background with the CIELCh color 70, 47.380, 280.285.

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, 46.822, 279.980

Protanopia

70, 46.773, 285.518

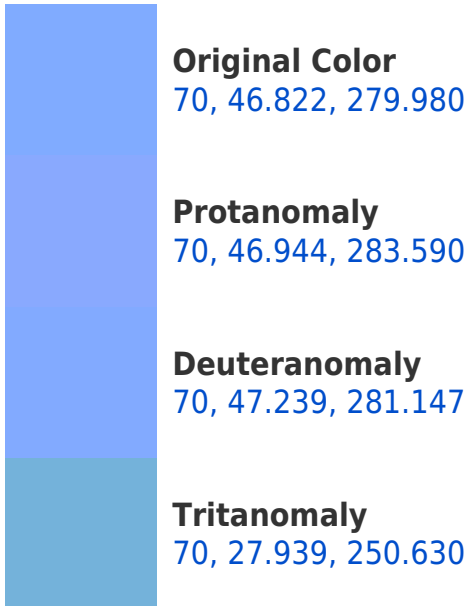
Deuteranopia

70, 47.149, 281.733

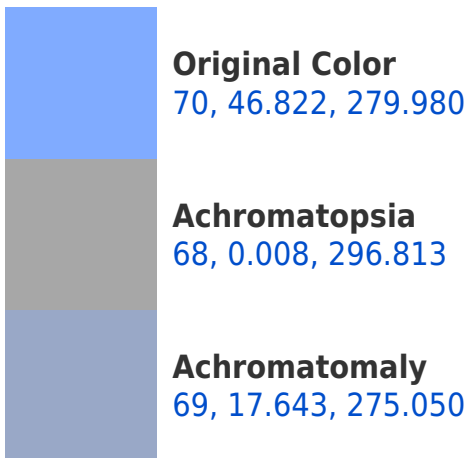


Tritanopia
70, 23.915, 218.039

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.380, 280.285 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(128, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 171, 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(128, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 171, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.380, 280.285 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(128, 171, 255) }
```

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

```
.border{ border-color:rgb(128, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 171,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.380, 280.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 171, 255) }
```

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

```
.background{ background-color: rgb(128,  
171, 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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