

Converting Colors

CIELCh(70, 46.540, 281.756)

Have a look what the booklet for
CIELCh(70, 46.540, 281.756)
contains.

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Color

CIELCh(70, 46.584, 281.800)

Conversions

Conversions Part 1

Format	Color
Hex	85AAFE
RGB	133, 170, 254
RGB Percent	52%, 67%, 100%
CMY	0.4795, 0.3344, 0.0051
CMYK	0.48, 0.33, 0.00, 0.01
HSL	222°, 98%, 76%
HSV	222°, 48%, 99%
XYZ	41.7945, 40.7494, 99.1833
YIQ	168.5130, -49.0160, 18.2800

Conversions

Conversions Part 2

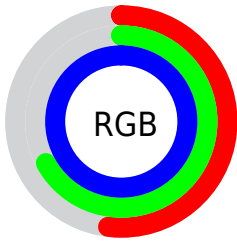
Format	Color
R _Y B	133, 161, 254
Decimal	8760062
CIE Lab	70.00, 9.53, -45.60
CIE LCh	70, 46.584, 281.800
Yxy	40.7494, 0.2300, 0.2242
Android (android.graphics.Color)	4286950142 (0xFF85AAFE)
YUV	168.5130, 42.1451, -31.1449
Hunter-Lab	63.8353, 5.1566, -47.4364

Details

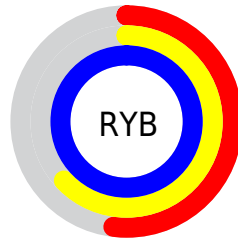
The CIELCh color **70, 46.584, 281.800** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **88, 46.014, 86.974**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **88, 18.819, 255.686**, and **50, 46.797, 281.937** is the 20% darker color. If you saturate the color by 10%, you get **64, 57.015, 284.519**, and if you desaturate by 10%, it is **76, 36.420, 279.450**.

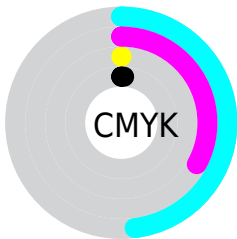
Distribution



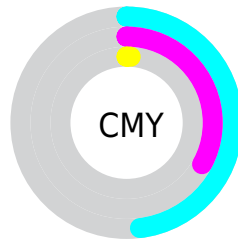
- Red (52%)
- Green (67%)
- Blue (100%)



- Red (52%)
- Yellow (63%)
- Blue (100%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (1%)



- Cyan (48%)
- Magenta (33%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 46.584, 281.800 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, 46.584, 281.800 by changing the saturation by 10% instead.

■ 70, 46.584,
281.800

■ 70, 46.584,
281.800

■ 100, 46.584,
281.800

■ 60, 46.584,
281.800

■ 90, 46.584,
281.800

■ 50, 46.584,
281.800

■ 40, 46.584,
281.800

■ 30, 46.584,
281.800

■ 20, 46.584,
281.800

■ 10, 46.584,
281.800

■ 0, 46.584, 281.800

70, 46.584,
281.800

70, 46.584,
281.800

64, 57.015,
284.519

76, 36.420,
279.450

58, 67.753,
287.601

82, 26.487,
277.438

53, 78.805,
290.987

89, 16.759,
275.723

48, 90.060,
294.531

95, 7.221, 274.273

43, 101.184,
297.994

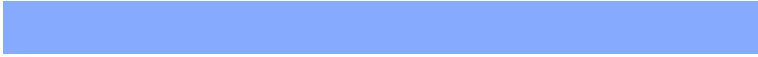
100, 0.644,
110.010

42, 103.688,
298.725

Harmonies

Complementary

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



70, 46.584, 281.800



88, 46.014, 86.974

Rectangle

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



70, 46.584, 281.800



70, 46.584, 331.800



70, 46.584, 101.800



70, 46.584, 151.800

Sweetspot

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



70, 46.583, 281.800



91, 13.273, 275.158



92, 43.638, 169.621



47, 9.182, 275.485



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, 46.583, 281.800



65, 56.519, 284.324



62, 67.996, 302.049



50, 5.369, 274.517



31, 82.385, 298.139



8, 33.067, 293.222

Inverse Universe

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



70, 49.801, 1.878



65, 59.436, 3.955



96, 60.250, 114.033



50, 5.683, 356.402



40, 70.483, 20.722



10, 31.437, 12.329

Previews

White Background



This preview shows how the CIE LCh color 70, 46.584, 281.800 looks on a white background.

Color Contrast Check

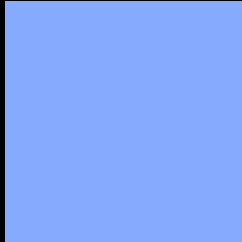
Large Text (above 18pt) WCAG AA × Fail

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, 46.584, 281.800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

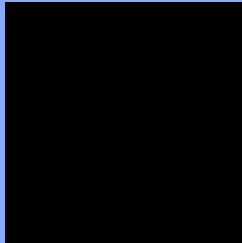
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

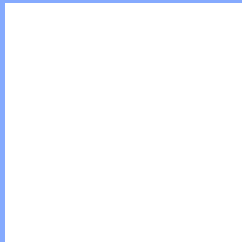
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 46.584, 281.800

Background



This preview shows how black text looks on a background with the CIELCh color 70, 46.584, 281.800.



This preview shows how white text looks on a background with the CIELCh color 70, 46.584, 281.800.

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, 46.584, 281.800

Protanopia

70, 46.243, 285.338

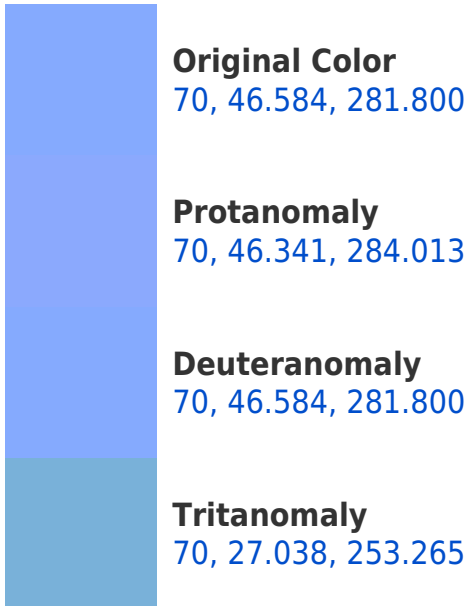
Deuteranopia

70, 46.584, 281.800



Tritanopia
70, 22.228, 219.781

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 46.584, 281.800 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(133, 170, 254)` looks like.

```
.text, #text, p{  
    color:rgb(133, 170, 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(133, 170, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 46.584, 281.800 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(133, 170, 254) }
```

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

```
.border{ border-color:rgb(133, 170, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 170, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 170, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 170, 254);  
box-shadow:4px 4px 4px 4px rgb(133, 170,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 46.584, 281.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 170, 254) }
```

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

```
.background{ background-color: rgb(133,  
170, 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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