

Converting Colors

CIELCh(68, 48.874, 284.900)

Have a look what the booklet for
CIELCh(68, 48.874, 284.900)
contains.

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Color

CIELCh(68, 48.774, 284.740)

Conversions

Conversions Part 1

Format	Color
Hex	84A3FB
RGB	132, 163, 251
RGB Percent	52%, 64%, 98%
CMY	0.4831, 0.3615, 0.0165
CMYK	0.47, 0.35, 0.00, 0.02
HSL	224°, 93%, 75%
HSV	224°, 47%, 98%
XYZ	39.9310, 37.9720, 96.3274
YIQ	163.7630, -46.7240, 20.7960

Conversions

Conversions Part 2

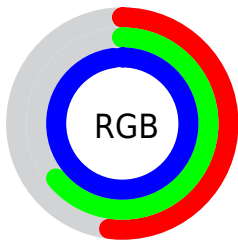
Format	Color
RYB	132, 157, 251
Decimal	8692731
CIELab	68.00, 12.41, -47.17
CIELCh	68, 48.774, 284.740
Yxy	37.9720, 0.2292, 0.2179
Android (android.graphics.Color)	4286882811 (0xFF84A3FB)
YUV	163.7630, 43.0078, -27.8562
Hunter-Lab	61.6215, 7.8312, -49.5478

Details

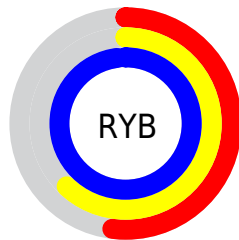
The CIELCh color **68, 48.774, 284.740** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **89, 46.961, 90.476**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.117, 266.491**, and **48, 48.632, 284.495** is the 20% darker color. If you saturate the color by 10%, you get **62, 59.915, 287.356**, and if you desaturate by 10%, it is **74, 37.972, 282.473**.

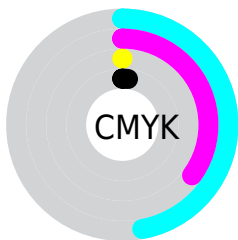
Distribution



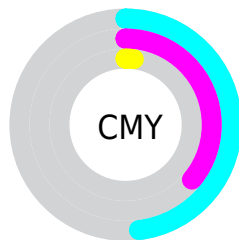
- Red (52%)
- Green (64%)
- Blue (98%)



- Red (52%)
- Yellow (62%)
- Blue (98%)



- Cyan (47%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)



- Cyan (48%)
- Magenta (36%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 48.774, 284.740 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 68, 48.774, 284.740 by changing the saturation by 10% instead.

 68, 48.774,
284.740

 68, 48.774,
284.740

 100, 48.774,
284.740


 58, 48.774,
284.740


 88, 48.774,
284.740

 48, 48.774,
284.740

 98, 48.774,
284.740

 38, 48.774,
284.740

 28, 48.774,
284.740

 18, 48.774,
284.740

 8, 48.774, 284.740

 0, 48.774, 284.740

■ 68, 48.774,
284.740

■ 68, 48.774,
284.740

■ 62, 59.915,
287.356

■ 74, 37.972,
282.473

■ 56, 71.422,
290.309

■ 81, 27.476,
280.529

■ 50, 83.246,
293.526

■ 87, 17.254,
278.871

■ 45, 95.160,
296.848

■ 94, 7.282, 277.467

■ 40, 106.622,
300.019

100, 2.118,
109.983

■ 39, 109.391,
300.742

Harmonies

Complementary

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



68, 48.774, 284.740



89, 46.961, 90.476

Rectangle

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



68, 48.774, 284.740



68, 48.774, 334.740



68, 48.774, 104.740



68, 48.774, 154.740

Sweetspot

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



68, 48.773, 284.740



91, 13.977, 278.361



91, 41.320, 173.262



47, 9.674, 278.678



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 48.773, 284.740



63, 60.220, 287.246



62, 67.069, 303.449



49, 5.555, 277.734



29, 86.868, 300.210



6, 33.786, 294.830

Inverse Universe

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



69, 48.621, 5.176



65, 59.116, 7.407



94, 59.832, 116.248



49, 5.470, 359.598



40, 71.430, 24.666



9, 30.715, 14.511

Previews

White Background



This preview shows how the CIELCh color 68, 48.774, 284.740 looks on a white background.

Color Contrast Check

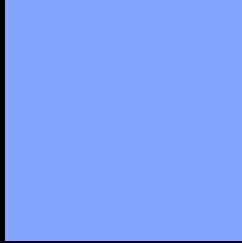
Large Text (above 18pt) WCAG AA × Fail

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 68, 48.774, 284.740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

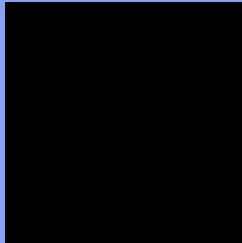
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 48.774, 284.740

Background



This preview shows how black text looks on a background with the CIELCh color 68, 48.774, 284.740.



This preview shows how white text looks on a background with the CIELCh color 68, 48.774, 284.740.

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

68, 48.774, 284.740

Protanopia

68, 48.722, 285.671

Deuteranopia

68, 47.462, 281.390



Tritanopia
68, 20.871, 219.828

Trichromacy



Original Color
68, 48.774, 284.740

Protanomaly
68, 48.755, 285.373

Deuteranomaly
68, 47.902, 282.534

Tritanomaly
68, 26.382, 255.906

Monochromacy



Original Color
68, 48.774, 284.740

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 18.016, 278.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 48.774, 284.740 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(132, 163, 251)` looks like.

```
.text, #text, p{  
    color:rgb(132, 163, 251)  
}
```

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(132, 163, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 163, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 48.774, 284.740 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(132, 163, 251) }
```

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

```
.border{ border-color:rgb(132, 163, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 163, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 163, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 163, 251);  
box-shadow:4px 4px 4px 4px rgb(132, 163,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 48.774, 284.740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 163, 251) }
```

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

```
.background{ background-color: rgb(132,  
163, 251) }
```

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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