

Converting Colors

CIELCh(68, 47.052, 264.001)

Have a look what the booklet for
CIELCh(68, 47.052, 264.001)
contains.

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Color

CIELCh(68, 47.043, 263.889)

Conversions

Conversions Part 1

Format	Color
Hex	46ADFA
RGB	70, 173, 250
RGB Percent	27%, 68%, 98%
CMY	0.7268, 0.3225, 0.0206
CMYK	0.72, 0.31, 0.00, 0.02
HSL	206°, 94%, 63%
HSV	206°, 72%, 98%
XYZ	34.6143, 37.9720, 95.7368
YIQ	150.9810, -86.1050, 2.1110

Conversions

Conversions Part 2

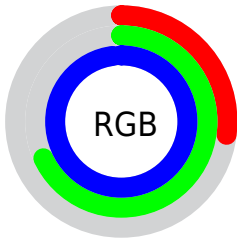
Format	Color
RYB	70, 136, 250
Decimal	4632058
CIELab	68.00, -5.01, -46.78
CIElCh	68, 47.043, 263.889
Yxy	37.9720, 0.2056, 0.2256
Android (android.graphics.Color)	4282822138 (0xFF46ADFA)
YUV	150.9810, 48.8164, -71.0203
Hunter-Lab	61.6215, -7.5696, -48.9795

Details

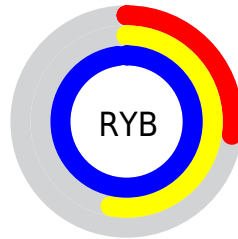
The CIELCh color **68, 47.043, 263.889** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **71, 64.797, 59.468**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 29.406, 226.961**, and **49, 45.385, 268.623** is the 20% darker color. If you saturate the color by 10%, you get **64, 52.507, 268.241**, and if you desaturate by 10%, it is **72, 41.395, 260.105**.

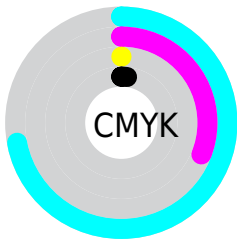
Distribution



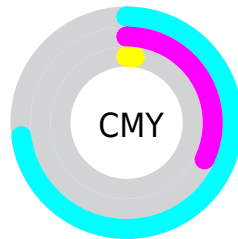
- Red (27%)
- Green (68%)
- Blue (98%)



- Red (27%)
- Yellow (53%)
- Blue (98%)



- Cyan (72%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)





- Cyan (73%)
- Magenta (32%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 47.043, 263.889 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, 47.043, 263.889 by changing the saturation by 10% instead.

 68, 47.043,
263.889

 68, 47.043,
263.889


 100, 47.043,
263.889


 58, 47.043,
263.889


 88, 47.043,
263.889


 48, 47.043,
263.889

 98, 47.043,
263.889

 38, 47.043,
263.889

 28, 47.043,
263.889

 18, 47.043,
263.889

 8, 47.043, 263.889

 0, 47.043, 263.889

68, 47.043,
263.889

68, 47.043,
263.889

64, 52.507,
268.241

72, 41.395,
260.105

61, 57.940,
273.054

76, 35.469,
256.897

59, 62.342,
276.967

80, 29.228,
254.224

84, 22.677,
252.016

88, 15.849,
250.201

93, 8.790, 248.720

97, 1.551, 247.737

100, 2.654,
109.951

Harmonies

Complementary

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



68, 47.043, 263.889



71, 64.797, 59.468

Rectangle

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



68, 47.043, 263.889



68, 47.043, 313.889



68, 47.043, 83.889



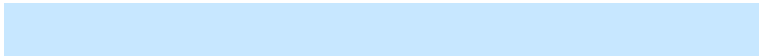
68, 47.043, 133.889

Sweetspot

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



68, 47.042, 263.890



90, 16.044, 250.188



88, 77.117, 150.718



47, 10.739, 250.645



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, 47.042, 263.890



64, 56.090, 270.596



45, 96.355, 299.807



50, 4.142, 248.387



45, 49.749, 276.053



13, 20.192, 268.621

Inverse Universe

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



60, 76.928, 348.357



57, 84.868, 351.898



92, 77.944, 99.197



49, 6.597, 340.645



41, 68.895, 355.360



10, 31.918, 350.709

Previews

White Background



This preview shows how the CIE LCh color 68, 47.043, 263.889 looks on a white background.

Color Contrast Check

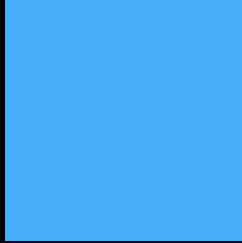
Large Text (above 18pt) WCAG AA × Fail

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, 47.043, 263.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

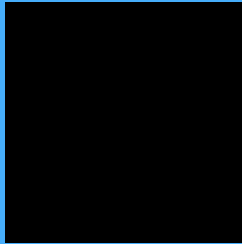
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

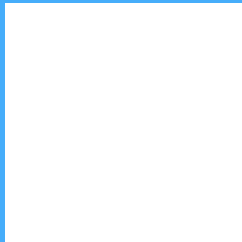
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 47.043, 263.889

Background



This preview shows how black text looks on a background with the CIELCh color 68, 47.043, 263.889.

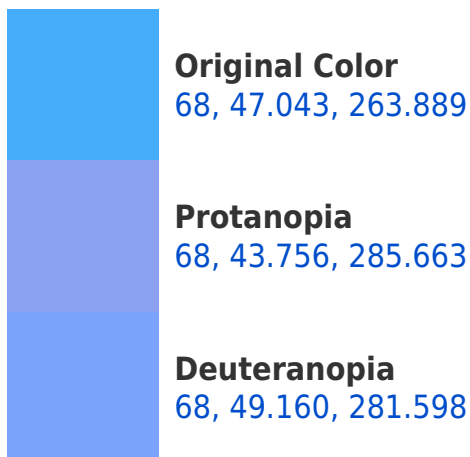


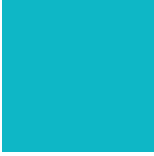
This preview shows how white text looks on a background with the CIELCh color 68, 47.043, 263.889.

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





Tritanopia
68, 37.238, 209.689

Trichromacy



Original Color
68, 47.043, 263.889

Protanomaly
68, 44.456, 275.922

Deuteranomaly
68, 48.110, 274.755

Tritanomaly
68, 37.357, 231.861

Monochromacy



Original Color
68, 47.043, 263.889

Achromatopsia
62, 0.008, 296.813

Achromatomaly
64, 19.574, 252.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 47.043, 263.889 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(70, 173, 250)` looks like.

```
.text, #text, p{  
    color:rgb(70, 173, 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(70, 173, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 173, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 47.043, 263.889 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(70, 173, 250) }
```

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

```
.border{ border-color:rgb(70, 173, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 173, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 173, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 173, 250);  
box-shadow:4px 4px 4px 4px rgb(70, 173,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 47.043, 263.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 173, 250) }
```

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

```
.background{ background-color: rgb(70, 173,  
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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