

Converting Colors

CIELCh(68, 47.783, 289.412)

Have a look what the booklet for
CIELCh(68, 47.783, 289.412)
contains.

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Color

CIELCh(68, 47.948, 289.667)

Conversions

Conversions Part 1

Format	Color
Hex	91A0F7
RGB	145, 160, 247
RGB Percent	57%, 63%, 97%
CMY	0.4306, 0.3718, 0.0306
CMYK	0.41, 0.35, 0.00, 0.03
HSL	231°, 87%, 77%
HSV	231°, 41%, 97%
XYZ	41.1352, 37.9720, 93.3219
YIQ	165.4330, -36.8670, 23.8770

Conversions

Conversions Part 2

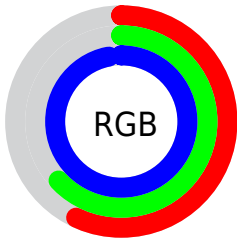
Format	Color
R _Y B	145, 158, 247
Decimal	9543927
CIE Lab	68.00, 16.14, -45.15
CIE LCh	68, 47.948, 289.667
Yxy	37.9720, 0.2386, 0.2202
Android (android.graphics.Color)	4287734007 (0xFF91A0F7)
YUV	165.4330, 40.2125, -17.9197
Hunter-Lab	61.6215, 11.3196, -46.6560

Details

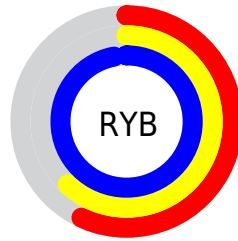
The CIELCh color `68, 47.948, 289.667` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `92, 44.603, 98.746`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `86, 21.299, 280.401`, and `48, 47.722, 289.556` is the 20% darker color. If you saturate the color by 10%, you get `61, 60.701, 291.874`, and if you desaturate by 10%, it is `75, 35.670, 287.762`.

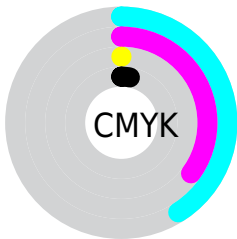
Distribution



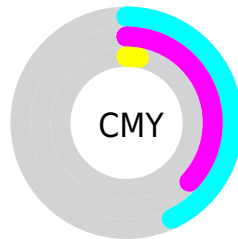
- Red (57%)
- Green (63%)
- Blue (97%)



- Red (57%)
- Yellow (62%)
- Blue (97%)



- Cyan (41%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)



- Cyan (43%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 47.948, 289.667 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, 47.948, 289.667 by changing the saturation by 10% instead.


 68, 47.948,
289.667


 68, 47.948,
289.667

 100, 47.948,
289.667


 58, 47.948,
289.667


 88, 47.948,
289.667

 48, 47.948,
289.667

 98, 47.948,
289.667

 38, 47.948,
289.667

 28, 47.948,
289.667

 18, 47.948,
289.667

 8, 47.948, 289.667

 0, 47.948, 289.667

■ 68, 47.948,
289.667

■ 68, 47.948,
289.667

■ 61, 60.701,
291.874

■ 75, 35.670,
287.762

■ 54, 73.918,
294.374

■ 82, 23.841,
286.133

■ 48, 87.455,
297.102

■ 89, 12.421,
284.749

■ 42, 100.860,
299.896

■ 96, 1.379, 283.660

■ 37, 113.155,
302.492

■ 100, 3.942,
109.864

■ 34, 121.858,
304.322

Harmonies

Complementary

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



68, 47.948, 289.667



92, 44.603, 98.746

Rectangle

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



68, 47.948, 289.667



68, 47.948, 339.667



68, 47.948, 109.667



68, 47.948, 159.667

Sweetspot

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



68, 47.947, 289.667



91, 13.589, 284.846



91, 33.376, 183.430



48, 9.033, 285.017



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, 47.947, 289.667



64, 60.579, 291.598



67, 57.484, 306.403



47, 6.202, 284.526



25, 97.288, 303.970



5, 35.839, 297.134

Inverse Universe

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



71, 41.083, 12.536



68, 51.780, 14.375



93, 52.963, 121.438



48, 5.166, 8.168



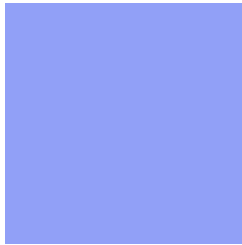
39, 76.009, 33.173



8, 30.215, 19.014

Previews

White Background



This preview shows how the CIELCh color 68, 47.948, 289.667 looks on a white background.

Color Contrast Check

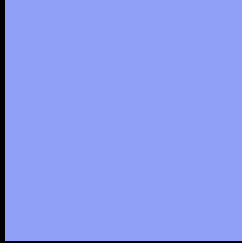
Large Text (above 18pt) WCAG AA × Fail

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 68, 47.948, 289.667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

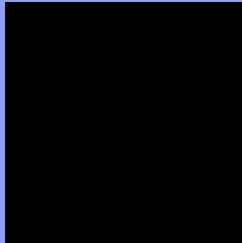
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 47.948, 289.667

Background



This preview shows how black text looks on a background with the CIELCh color 68, 47.948, 289.667.



This preview shows how white text looks on a background with the CIELCh color 68, 47.948, 289.667.

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, 47.948, 289.667

Protanopia

68, 48.157, 285.795

Deuteranopia

68, 45.718, 282.222



Tritanopia
68, 15.968, 225.173

Trichromacy



Original Color
68, 47.948, 289.667

Protanomaly
68, 48.059, 287.383

Deuteranomaly
68, 46.015, 284.696

Tritanomaly
68, 23.919, 266.930

Monochromacy



Original Color
68, 47.948, 289.667

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 17.717, 285.243

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 47.948, 289.667 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(145, 160, 247)` looks like.

```
.text, #text, p{  
    color:rgb(145, 160, 247)  
}
```

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(145, 160, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 160, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 47.948, 289.667 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(145, 160, 247) }
```

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

```
.border{ border-color:rgb(145, 160, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 160, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 160, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 160, 247);  
box-shadow:4px 4px 4px 4px rgb(145, 160,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 47.948, 289.667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 160, 247) }
```

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

```
.background{ background-color: rgb(145,  
160, 247) }
```

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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