

Converting Colors

CIELCh(47, 102.511, 309.763)

Have a look what the booklet for
CIELCh(47, 102.511, 309.763)
contains.

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Color

CIELCh(47, 102.284, 309.694)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8943F7 |
| RGB | 137, 67, 247 |
| RGB Percent | 54%, 26%, 97% |
| CMY | 0.4632, 0.7377, 0.0318 |
| CMYK | 0.45, 0.73, 0.00, 0.03 |
| HSL | 263°, 92%, 62% |
| HSV | 263°, 73%, 97% |
| XYZ | 29.0704, 16.0195, 89.4656 |
| YIQ | 108.4500, -16.0600, 70.8200 |

Conversions

Conversions Part 2

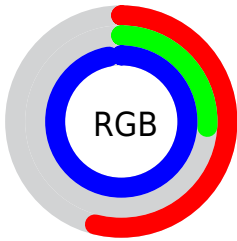
| Format | Color |
|-------------------------------------|---|
| RYB | 137, 67, 247 |
| Decimal | 8995831 |
| CIELab | 47.00, 65.33, -78.70 |
| CIELCh | 47, 102.284, 309.694 |
| Yxy | 16.0195, 0.2160, 0.1191 |
| Android (android.graphics.Color) | 4287185911 (0xFF8943F7) |
| YUV | 108.4500, 68.3052, 25.0383 |
| Hunter-Lab | 40.0243, 59.6053, -104.5128 |

Details

The CIELCh color **47, 102.284, 309.694** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 87.971, 122.167**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 76.938, 314.041**, and **27, 101.936, 309.700** is the 20% darker color. If you saturate the color by 10%, you get **42, 113.487, 309.972**, and if you desaturate by 10%, it is **53, 88.993, 309.149**.

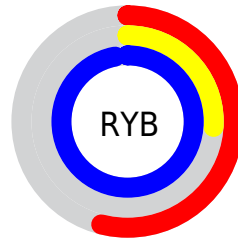
Distribution



Red (54%)

Green (26%)

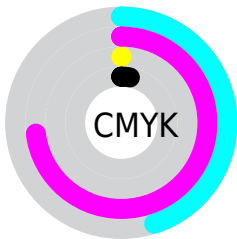
Blue (97%)



Red (54%)

Yellow (26%)

Blue (97%)

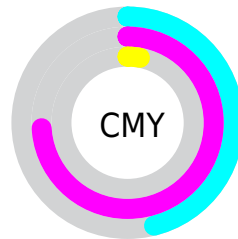


Cyan (45%)

Magenta (73%)

Yellow (0%)

Black (3%)



Cyan (46%)


Magenta (74%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 102.284, 309.694 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 47, 102.284, 309.694 by changing the saturation by 10% instead.


 47, 102.284,
309.694


 47, 102.284,
309.694


 100, 102.284,
309.694


 37, 102.284,
309.694


 67, 102.284,
309.694


 27, 102.284,
309.694


 77, 102.284,
309.694


 17, 102.284,
309.694

 87, 102.284,
309.694

 7, 102.284,
309.694

 97, 102.284,
309.694


 0, 102.284,
309.694

 47, 102.284,


 47, 102.284,


309.694

309.694


 42, 113.487,
309.972


 53, 88.993,
309.149


 38, 121.382,
309.829

 59, 74.668,
308.470

 36, 124.907,
309.483


 66, 60.013,
307.749

 73, 45.436,
307.041

 81, 31.155,
306.379

 88, 17.273,
305.774

 95, 3.831, 305.216

 100, 4.102,
109.853

Harmonies

Complementary

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



47, 102.284, 309.694



90, 87.971, 122.167

Rectangle

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



47, 102.284, 309.694



47, 102.284, 359.694



47, 102.284, 129.694



47, 102.284, 179.694

Sweetspot

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



47, 102.284, 309.695



84, 30.678, 306.324



69, 44.223, 258.045



42, 20.701, 306.497



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 102.284, 309.695



42, 120.215, 309.971



59, 100.423, 324.044



47, 7.514, 305.580



27, 100.830, 309.665



4, 41.155, 309.128

Inverse Universe

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



59, 78.301, 346.008



57, 86.443, 348.980



86, 100.698, 136.068



48, 6.664, 338.793



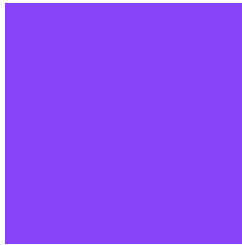
41, 69.331, 351.962



9, 31.666, 347.754

Previews

White Background



This preview shows how the CIELCh color 47, 102.284, 309.694 looks on a white background.

Color Contrast Check

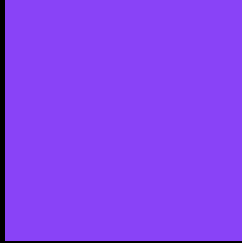
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 102.284, 309.694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

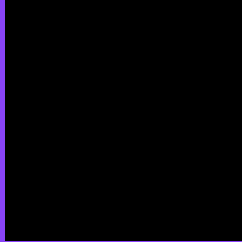
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 102.284, 309.694

Background



This preview shows how black text looks on a background with the CIELCh color 47, 102.284, 309.694.

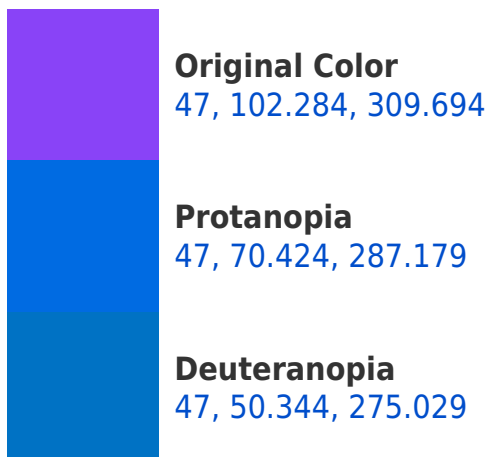



This preview shows how white text looks on a background with the CIELCh color 47, 102.284, 309.694.

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
47, 5.640, 270.694

Trichromacy



Original Color
47, 102.284, 309.694



Protanomaly
45, 83.767, 295.501



Deuteranomaly
44, 70.112, 291.691



Tritanomaly
45, 43.009, 305.180

Monochromacy



Original Color
47, 102.284, 309.694



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 40.489, 307.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 102.284, 309.694 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(137, 67, 247)` looks like.

```
.text, #text, p{  
    color:rgb(137, 67, 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(137, 67, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 67, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 102.284, 309.694 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(137, 67, 247) }
```

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

```
.border{ border-color:rgb(137, 67, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 67, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 67, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 67, 247);  
box-shadow:4px 4px 4px 4px rgb(137, 67,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 102.284, 309.694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 67, 247) }
```

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

```
.background{ background-color: rgb(137, 67,  
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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