

Converting Colors

CIELCh(48, 106.499, 309.391)

Have a look what the booklet for
CIELCh(48, 106.499, 309.391)
contains.

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Color

CIELCh(48, 106.117, 309.470)

Conversions

Conversions Part 1

Format	Color
Hex	8B44FF
RGB	139, 68, 255
RGB Percent	55%, 27%, 100%
CMY	0.4564, 0.7351, 0.0000
CMYK	0.46, 0.74, 0.00, 0.00
HSL	263°, 100%, 63%
HSV	263°, 74%, 100%
XYZ	30.7693, 16.7945, 96.7286
YIQ	110.5470, -17.7110, 73.2090

Conversions

Conversions Part 2

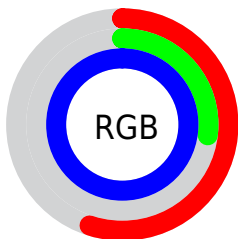
Format	Color
R_{YB}	139, 68, 255
Decimal	9127167
CIE _{Lab}	48.00, 67.46, -81.92
CIE _{LCh}	48, 106.117, 309.470
Yxy	16.7945, 0.2132, 0.1164
Android (android.graphics.Color)	4287317247 (0xFF8B44FF)
YUV	110.5470, 71.2153, 24.9533
Hunter-Lab	40.9810, 62.3042, -111.2570

Details

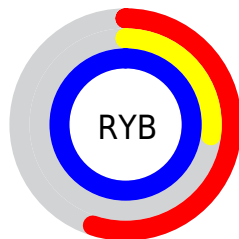
The CIELCh color **48, 106.117, 309.470** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **93, 90.560, 121.785**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 76.446, 314.389**, and **28, 105.400, 309.485** is the 20% darker color. If you saturate the color by 10%, you get **43, 117.198, 309.776**, and if you desaturate by 10%, it is **54, 92.237, 308.936**.

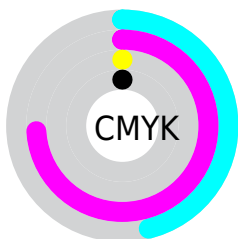
Distribution



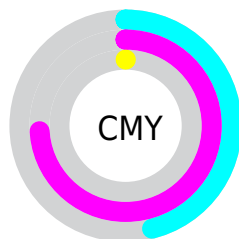
- Red (55%)
- Green (27%)
- Blue (100%)



- Red (55%)
- Yellow (27%)
- Blue (100%)



- Cyan (46%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (74%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 106.117, 309.470 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 48, 106.117, 309.470 by changing the saturation by 10% instead.


 48, 106.117,
309.470


 48, 106.117,
309.470


 100, 106.117,
309.470


 38, 106.117,
309.470


 68, 106.117,
309.470


 28, 106.117,
309.470


 78, 106.117,
309.470

 18, 106.117,
309.470

 88, 106.117,
309.470

 8, 106.117,
309.470

 98, 106.117,
309.470

 0, 106.117,
309.470

 48, 106.117,

 48, 106.117,

309.470

309.470

■ 43, 117.198,
309.776

■ 54, 92.237,
308.936

■ 39, 125.066,
309.619

■ 61, 77.536,
308.237

■ 37, 128.278,
309.302

■ 68, 62.476,
307.494

■ 75, 47.494,
306.767

■ 82, 32.817,
306.086

■ 90, 18.554,
305.466

■ 97, 4.747, 304.899

■ 100, 0.012,
296.813

Harmonies

Complementary

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



48, 106.117, 309.470



93, 90.560, 121.785

Rectangle

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



48, 106.117, 309.470



48, 106.117, 359.470



48, 106.117, 129.470



48, 106.117, 179.470

Sweetspot

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



48, 105.831, 309.496



84, 30.636, 305.988



72, 44.698, 255.855



42, 20.674, 306.165



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 105.831, 309.496



41, 121.231, 309.768



60, 103.541, 323.509



49, 7.758, 305.234



27, 103.103, 309.480



5, 44.875, 309.653

Inverse Universe

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



61, 81.131, 345.526



57, 87.100, 348.506



89, 103.526, 135.745



50, 6.938, 338.346



42, 71.046, 351.201



11, 33.496, 347.497

Previews

White Background



This preview shows how the CIELCh color 48, 106.117, 309.470 looks on a white background.

Color Contrast Check

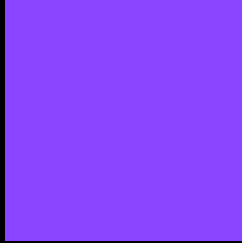
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 106.117, 309.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

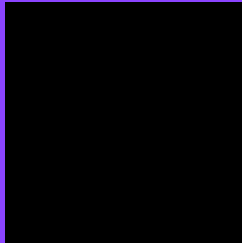
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 106.117, 309.470

Background



This preview shows how black text looks on a background with the CIELCh color 48, 106.117, 309.470.



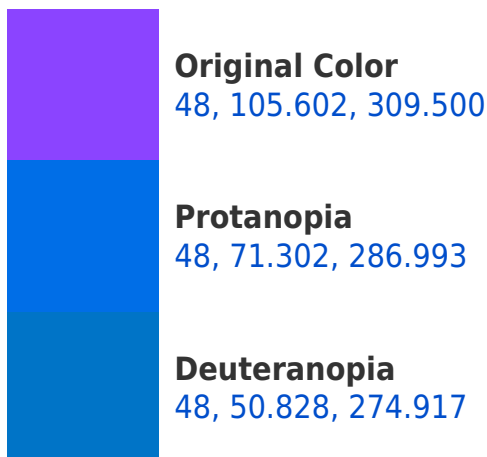
This preview shows how white text looks on a background with the CIELCh color 48, 106.117, 309.470.

309.470.

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
48, 6.765, 260.278

Trichromacy



Original Color
48, 105.602, 309.500



Protanomaly
46, 85.134, 295.277



Deuteranomaly
45, 71.703, 291.911



Tritanomaly
46, 45.085, 303.930

Monochromacy



Original Color
48, 105.602, 309.500



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 41.446, 306.909

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 106.117, 309.470 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(139, 68, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 68, 255)  
}
```

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(139, 68, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 68, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 106.117, 309.470 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(139, 68, 255) }
```

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

```
.border{ border-color:rgb(139, 68, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 68, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 68, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 68, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 68,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 106.117, 309.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 68, 255) }
```

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

```
.background{ background-color: rgb(139, 68,  
255) }
```

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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