

Converting Colors

CIELCh(48, 106.076, 310.423)

Have a look what the booklet for
CIELCh(48, 106.076, 310.423)
contains.

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Color

CIELCh(48, 106.272, 310.459)

Conversions

Conversions Part 1

Format	Color
Hex	9041FE
RGB	144, 65, 254
RGB Percent	56%, 25%, 100%
CMY	0.4364, 0.7461, 0.0050
CMYK	0.43, 0.74, 0.00, 0.00
HSL	265°, 99%, 62%
HSV	265°, 74%, 100%
XYZ	31.1756, 16.7945, 95.1396
YIQ	110.1670, -13.5850, 75.5270

Conversions

Conversions Part 2

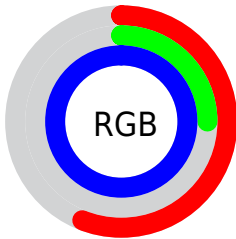
Format	Color
RYB	144, 65, 254
Decimal	9454078
CIELab	48.00, 68.96, -80.86
CIELCh	48, 106.272, 310.459
Yxy	16.7945, 0.2178, 0.1174
Android (android.graphics.Color)	4287644158 (0xFF9041FE)
YUV	110.1670, 70.9097, 29.6715
Hunter-Lab	40.9810, 64.0739, -108.9581

Details

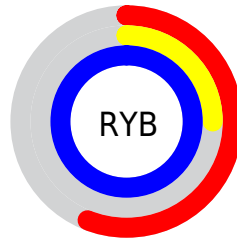
The CIELCh color **48, 106.272, 310.459** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **92, 92.008, 123.344**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 77.848, 315.749**, and **29, 104.308, 310.064** is the 20% darker color. If you saturate the color by 10%, you get **43, 117.006, 310.599**, and if you desaturate by 10%, it is **54, 93.159, 310.026**.

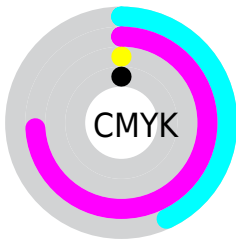
Distribution



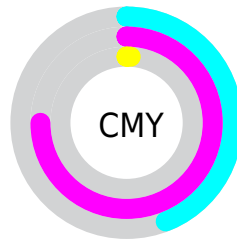
- Red (56%)
- Green (25%)
- Blue (100%)



- Red (56%)
- Yellow (25%)
- Blue (100%)



- Cyan (43%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (75%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 106.272, 310.459 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, 106.272, 310.459 by changing the saturation by 10% instead.


 48, 106.272,
310.459


 48, 106.272,
310.459


 100, 106.272,
310.459


 38, 106.272,
310.459


 68, 106.272,
310.459


 28, 106.272,
310.459


 78, 106.272,
310.459

 18, 106.272,
310.459

 88, 106.272,
310.459

 8, 106.272,
310.459

 98, 106.272,
310.459

 0, 106.272,
310.459

 48, 106.272,

 48, 106.272,

310.459

310.459

■ 43, 117.006,
310.599

■ 54, 93.159,
310.026

■ 40, 124.207,
310.302

■ 60, 78.766,
309.431

■ 38, 126.789,
309.984

■ 67, 63.873,
308.771

■ 74, 48.955,
308.106

■ 82, 34.274,
307.473

■ 89, 19.966,
306.888

■ 96, 6.087, 306.351

100, 0.631,
110.008

Harmonies

Complementary

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



48, 106.272, 310.459



92, 92.008, 123.344

Rectangle

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



48, 106.272, 310.459



48, 106.272, 0.459



48, 106.272, 130.459



48, 106.272, 180.459

Sweetspot

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



48, 106.272, 310.460



84, 30.809, 307.324



69, 48.184, 263.454



42, 20.785, 307.488



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, 106.272, 310.460



42, 121.226, 310.525



61, 104.063, 325.148



49, 7.809, 306.617



28, 102.298, 310.168



5, 44.910, 310.661

Inverse Universe

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



60, 79.737, 348.214



57, 85.662, 351.716



88, 105.122, 136.477



50, 6.752, 340.180



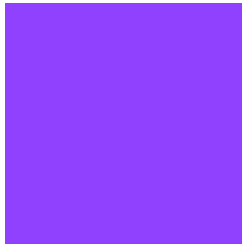
42, 69.833, 354.547



11, 32.874, 350.245

Previews

White Background



This preview shows how the CIELCh color 48, 106.272, 310.459 looks on a white background.

Color Contrast Check

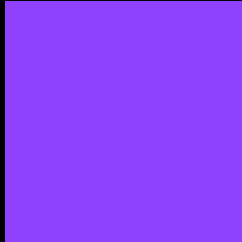
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 48, 106.272, 310.459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

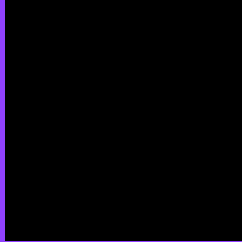
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 106.272, 310.459

Background



This preview shows how black text looks on a background with the CIELCh color 48, 106.272, 310.459.

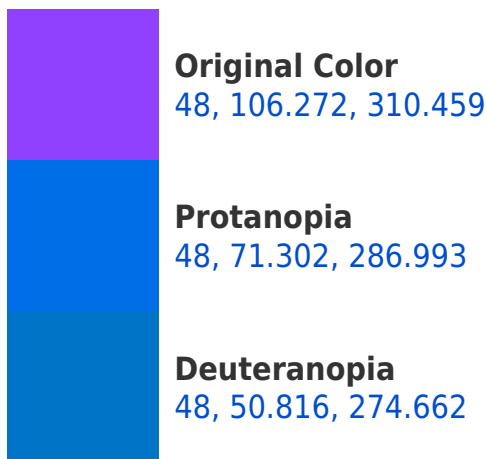



This preview shows how white text looks on a background with the CIELCh color 48, 106.272, 310.459.

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, 5.322, 286.674

Trichromacy



Original Color
48, 106.272, 310.459

Protanomaly
46, 85.190, 295.588

Deuteranomaly
45, 72.225, 292.242

Tritanomaly
46, 45.565, 307.691

Monochromacy



Original Color
48, 106.272, 310.459

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 41.666, 308.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 106.272, 310.459 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(144, 65, 254)` looks like.

```
.text, #text, p{  
    color:rgb(144, 65, 254)  
}
```

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(144, 65, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 65, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 106.272, 310.459 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(144, 65, 254) }
```

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

```
.border{ border-color:rgb(144, 65, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 65, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 65, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 65, 254);  
box-shadow:4px 4px 4px 4px rgb(144, 65,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 106.272, 310.459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 65, 254) }
```

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

```
.background{ background-color: rgb(144, 65,  
254) }
```

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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