

Converting Colors

CIELCh(48, 113.440, 314.391)

Have a look what the booklet for
CIELCh(48, 113.440, 314.391)
contains.

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Color

CIELCh(48, 113.383, 314.446)

Conversions

Conversions Part 1

Format	Color
Hex	A42BFE
RGB	164, 43, 254
RGB Percent	64%, 17%, 100%
CMY	0.3566, 0.8310, 0.0037
CMYK	0.35, 0.83, 0.00, 0.00
HSL	274°, 99%, 58%
HSV	274°, 83%, 100%
XYZ	34.0923, 16.7945, 95.2682
YIQ	103.2330, 4.3850, 91.2730

Conversions

Conversions Part 2

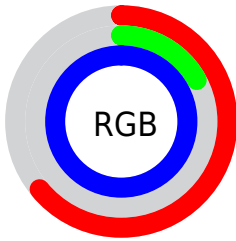
Format	Color
RYB	164, 43, 254
Decimal	10759166
CIELab	48.00, 79.39, -80.95
CIELCh	48, 113.383, 314.446
Yxy	16.7945, 0.2333, 0.1149
Android (android.graphics.Color)	4288949246 (0xFFA42BFE)
YUV	103.2330, 74.3281, 53.2927
Hunter-Lab	40.9810, 76.7781, -109.1441

Details

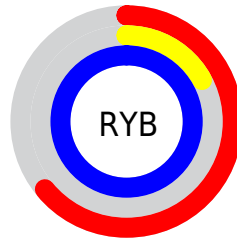
The CIELCh color **48, 113.383, 314.446** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **90, 103.352, 129.040**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 86.538, 321.141**, and **31, 101.957, 312.325** is the 20% darker color. If you saturate the color by 10%, you get **45, 119.955, 313.992**, and if you desaturate by 10%, it is **52, 103.526, 314.540**.

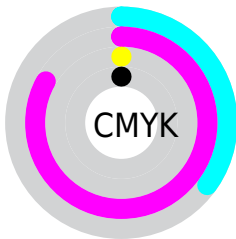
Distribution



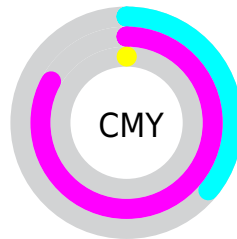
- Red (64%)
- Green (17%)
- Blue (100%)



- Red (64%)
- Yellow (17%)
- Blue (100%)



- Cyan (35%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (83%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 113.383, 314.446 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, 113.383, 314.446 by changing the saturation by 10% instead.


 48, 113.383,
314.446


 48, 113.383,
314.446


 100, 113.383,
314.446


 38, 113.383,
314.446

 68, 113.383,
314.446


 28, 113.383,
314.446


 78, 113.383,
314.446


 18, 113.383,
314.446


 88, 113.383,
314.446

 8, 113.383,
314.446

 98, 113.383,
314.446

 0, 113.383,
314.446

 48, 113.383,

 48, 113.383,

314.446

314.446

■ 45, 119.955,
313.992

■ 52, 103.526,
314.540

■ 43, 122.710,
313.479

■ 58, 91.229,
314.367

■ 64, 77.409,
314.024

■ 70, 62.803,
313.586

■ 77, 47.925,
313.107

■ 83, 33.096,
312.621

■ 90, 18.508,
312.149

■ 98, 4.266, 311.680

100, 0.461,
109.976

Harmonies

Complementary

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



48, 113.383, 314.446



90, 103.352, 129.040

Rectangle

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



48, 113.383, 314.446



48, 113.383, 4.446



48, 113.383, 134.446



48, 113.383, 184.446

Sweetspot

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



48, 113.383, 314.446



82, 36.093, 312.716



57, 68.739, 283.684



41, 24.713, 312.886



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, 113.383, 314.446



43, 123.053, 313.477



61, 105.052, 330.564



49, 8.056, 311.987



32, 98.955, 313.670



7, 44.757, 314.921

Inverse Universe

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



57, 79.728, 2.502



54, 84.616, 10.196



88, 110.331, 137.883



50, 6.086, 348.615



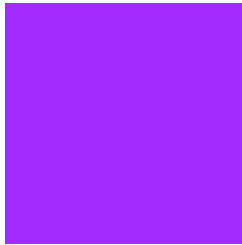
41, 68.080, 9.224



10, 31.376, 2.545

Previews

White Background



This preview shows how the CIELCh color 48, 113.383, 314.446 looks on a white background.

Color Contrast Check

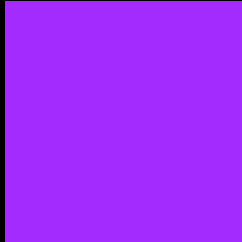
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.383, 314.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

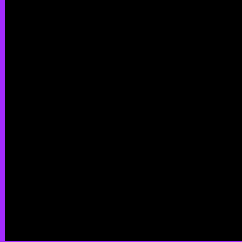
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 113.383, 314.446

Background



This preview shows how black text looks on a background with the CIELCh color 48, 113.383, 314.446.

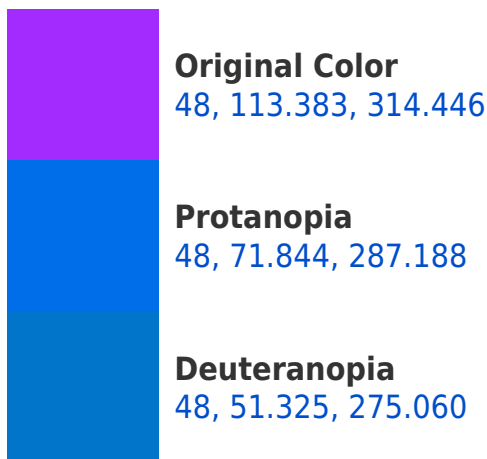


This preview shows how white text looks on a background with the CIELCh color 48, 113.383, 314.446.

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, 14.113, 1.876

Trichromacy



Original Color
48, 113.383, 314.446



Protanomaly
44, 90.589, 298.218



Deuteranomaly
43, 77.181, 295.579



Tritanomaly
46, 52.557, 320.668

Monochromacy



Original Color
48, 113.383, 314.446



Achromatopsia
44, 0.006, 296.813



Achromatomaly
42, 48.360, 313.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 113.383, 314.446 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(164, 43, 254)` looks like.

```
.text, #text, p{  
    color:rgb(164, 43, 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(164, 43, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 43, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 113.383, 314.446 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(164, 43, 254) }
```

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

```
.border{ border-color:rgb(164, 43, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 43, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 43, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 43, 254);  
box-shadow:4px 4px 4px 4px rgb(164, 43,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 113.383, 314.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 43, 254) }
```

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

```
.background{ background-color: rgb(164, 43,  
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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