

Converting Colors

CIELCh(46, 111.867, 311.755)

Have a look what the booklet for
CIELCh(46, 111.867, 311.755)
contains.

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Color

CIELCh(46, 111.948, 311.648)

Conversions

Conversions Part 1

Format	Color
Hex	9032FD
RGB	144, 50, 253
RGB Percent	56%, 20%, 99%
CMY	0.4358, 0.8045, 0.0084
CMYK	0.43, 0.80, 0.00, 0.01
HSL	268°, 98%, 59%
HSV	268°, 80%, 99%
XYZ	30.3195, 15.2687, 94.1648
YIQ	101.2480, -9.1390, 83.0610

Conversions

Conversions Part 2

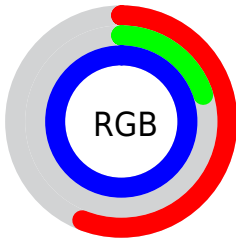
Format	Color
RYB	144, 50, 253
Decimal	9450237
CIELab	46.00, 74.40, -83.65
CIELCh	46, 111.948, 311.648
Yxy	15.2687, 0.2170, 0.1093
Android (android.graphics.Color)	4287640317 (0xFF9032FD)
YUV	101.2480, 74.8137, 37.4935
Hunter-Lab	39.0751, 70.1216, -115.5267

Details

The CIELCh color **46, 111.948, 311.648** 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 **91, 97.649, 125.239**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 84.609, 317.035**, and **29, 103.971, 310.012** is the 20% darker color. If you saturate the color by 10%, you get **42, 120.378, 311.453**, and if you desaturate by 10%, it is **51, 100.456, 311.475**.

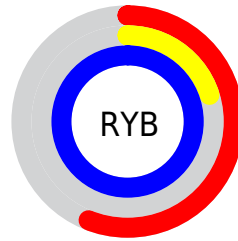
Distribution



Red (56%)

Green (20%)

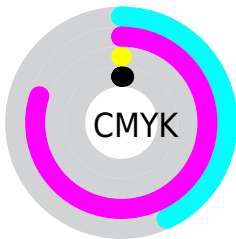
Blue (99%)



Red (56%)

Yellow (20%)

Blue (99%)

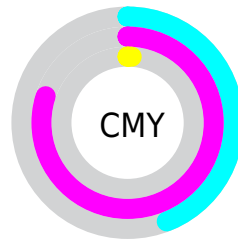


Cyan (43%)

Magenta (80%)

Yellow (0%)

Black (1%)



Cyan (44%)


Magenta (80%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 111.948, 311.648 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 46, 111.948, 311.648 by changing the saturation by 10% instead.


 46, 111.948,
311.648


 46, 111.948,
311.648


 100, 111.948,
311.648


 36, 111.948,
311.648


 66, 111.948,
311.648


 26, 111.948,
311.648


 76, 111.948,
311.648


 16, 111.948,
311.648


 86, 111.948,
311.648

 6, 111.948,
311.648

 96, 111.948,
311.648

 0, 111.948,
311.648

 46, 111.948,

 46, 111.948,

311.648

311.648

■ 42, 120.378,
311.453

■ 51, 100.456,
311.475

■ 39, 125.252,
310.875

■ 57, 87.004,
311.063

■ 64, 72.535,
310.522

■ 70, 57.700,
309.930

■ 77, 42.896,
309.337

■ 85, 28.345,
308.771

■ 92, 14.161,
308.245

■ 99, 0.396, 307.463

100, 1.071,
110.026

Harmonies

Complementary

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



46, 111.948, 311.648



91, 97.649, 125.239

Rectangle

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



46, 111.948, 311.648



46, 111.948, 1.648



46, 111.948, 131.648



46, 111.948, 181.648

Sweetspot

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



46, 111.948, 311.649



83, 33.945, 308.978



65, 54.031, 270.309



41, 23.432, 309.180



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 111.948, 311.649



41, 124.302, 311.131



60, 108.094, 326.315



49, 7.873, 308.206



29, 101.333, 311.063



6, 44.921, 311.869

Inverse Universe

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



58, 80.789, 352.761



56, 84.993, 357.850



88, 110.285, 136.515



50, 6.544, 342.446



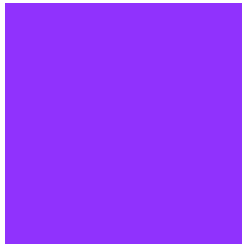
41, 68.786, 358.639



11, 32.265, 353.622

Previews

White Background



This preview shows how the CIELCh color 46, 111.948, 311.648 looks on a white background.

Color Contrast Check

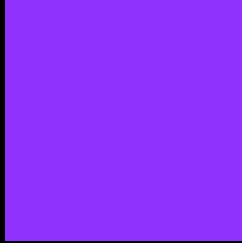
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 111.948, 311.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

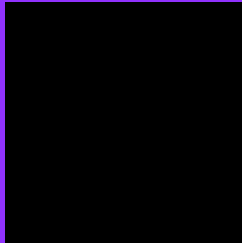
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 111.948, 311.648

Background



This preview shows how black text looks on a background with the CIELCh color 46, 111.948, 311.648.

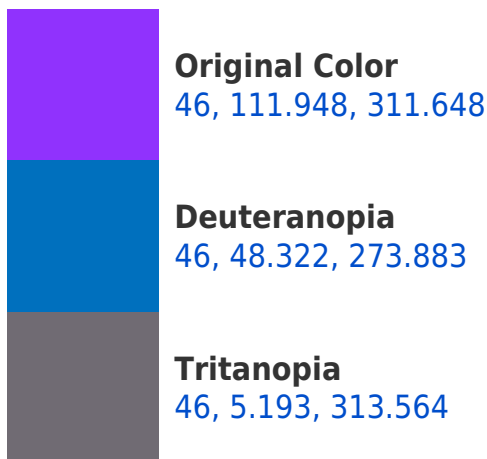


This preview shows how white text looks on a background with the CIELCh color 46, 111.948, 311.648.

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



Trichromacy



Original Color
46, 111.948, 311.648

Deuteranomaly
42, 74.075, 294.331

Tritanomaly
44, 48.789, 310.862

Monochromacy



Original Color
46, 111.948, 311.648

Achromatopsia
43, 0.006, 296.813

Achromatomaly
42, 46.125, 310.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 111.948, 311.648 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, 50, 253)` looks like.

```
.text, #text, p{  
    color:rgb(144, 50, 253)  
}
```

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, 50, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 50, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 111.948, 311.648 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, 50, 253) }
```

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

```
.border{ border-color:rgb(144, 50, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 50, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 50, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 50, 253);  
box-shadow:4px 4px 4px 4px rgb(144, 50,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 111.948, 311.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 50, 253) }
```

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

```
.background{ background-color: rgb(144, 50,  
253) }
```

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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