

Converting Colors

CIELCh(46, 111.135, 310.850)

Have a look what the booklet for
CIELCh(46, 111.135, 310.850)
contains.

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Color

CIELCh(46, 111.148, 310.846)

Conversions

Conversions Part 1

Format	Color
Hex	8C36FE
RGB	140, 54, 254
RGB Percent	55%, 21%, 100%
CMY	0.4526, 0.7899, 0.0055
CMYK	0.45, 0.79, 0.00, 0.01
HSL	266°, 99%, 60%
HSV	266°, 79%, 99%
XYZ	29.8688, 15.2687, 94.8006
YIQ	102.5140, -12.9440, 80.4320

Conversions

Conversions Part 2

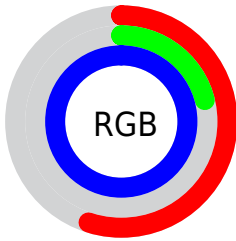
Format	Color
RYB	140, 54, 254
Decimal	9189118
CIELab	46.00, 72.69, -84.08
CIElCh	46, 111.148, 310.846
Yxy	15.2687, 0.2134, 0.1091
Android (android.graphics.Color)	4287379198 (0xFF8C36FE)
YUV	102.5140, 74.6826, 32.8752
Hunter-Lab	39.0751, 68.0626, -116.4915

Details

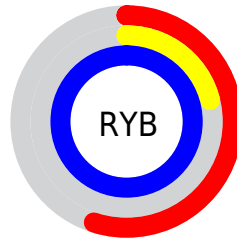
The CIELCh color **46, 111.148, 310.846** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **91, 95.862, 123.941**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 82.806, 315.937**, and **28, 104.956, 309.522** is the 20% darker color. If you saturate the color by 10%, you get **42, 120.358, 310.782**, and if you desaturate by 10%, it is **51, 99.027, 310.555**.

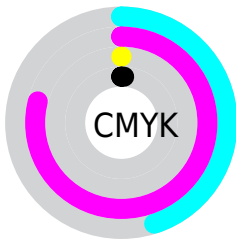
Distribution



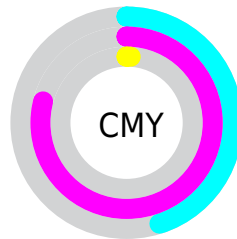
- Red (55%)
- Green (21%)
- Blue (100%)



- Red (55%)
- Yellow (21%)
- Blue (100%)



- Cyan (45%)
- Magenta (79%)
- Yellow (0%)
- Black (1%)





- Cyan (45%)
- Magenta (79%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 111.148, 310.846 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, 111.148, 310.846 by changing the saturation by 10% instead.


 46, 111.148,
310.846


 46, 111.148,
310.846


 100, 111.148,
310.846


 36, 111.148,
310.846


 66, 111.148,
310.846


 26, 111.148,
310.846


 76, 111.148,
310.846


 16, 111.148,
310.846

 86, 111.148,
310.846

 6, 111.148,
310.846

 96, 111.148,
310.846

 0, 111.148,
310.846

 46, 111.148,

 46, 111.148,

310.846

310.846

■ 42, 120.358,
310.782

■ 51, 99.027,
310.555

■ 39, 125.897,
310.274

■ 58, 85.155,
310.045

■ 39, 126.419,
310.211

■ 64, 70.454,
309.429

■ 71, 55.526,
308.782

■ 78, 40.723,
308.148

■ 86, 26.231,
307.554

■ 93, 12.141,
307.009

100, 0.700,
110.015

Harmonies

Complementary

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



46, 111.148, 310.846



91, 95.862, 123.941

Rectangle

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



46, 111.148, 310.846



46, 111.148, 0.846



46, 111.148, 130.846



46, 111.148, 180.846

Sweetspot

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



46, 111.148, 310.847



82, 33.771, 307.854



67, 50.497, 265.359



41, 23.319, 308.069



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, 111.148, 310.847



40, 124.661, 310.509



60, 107.392, 325.178



49, 7.825, 307.042



28, 102.043, 310.397



5, 44.916, 310.980

Inverse Universe

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



58, 81.530, 349.996



56, 85.914, 354.564



88, 108.851, 136.199



50, 6.695, 340.769



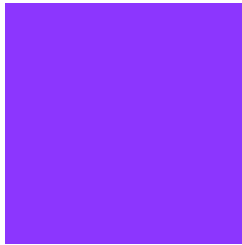
42, 69.514, 355.617



11, 32.699, 351.126

Previews

White Background



This preview shows how the CIELCh color 46, 111.148, 310.846 looks on a white background.

Color Contrast Check

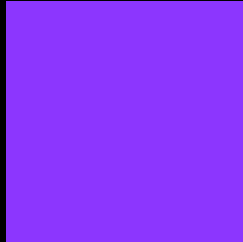
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.148, 310.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

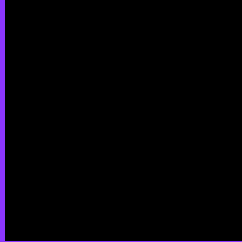
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 111.148, 310.846

Background



This preview shows how black text looks on a background with the CIELCh color 46, 111.148, 310.846.



This preview shows how white text looks on a background with the CIELCh color 46, 111.148, 310.846.

310.846.

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



Original Color


46, 111.148, 310.846

Protanopia

46, 68.926, 286.968

Deuteranopia

46, 48.322, 273.883



Tritanopia
46, 5.400, 282.542

Trichromacy



Original Color
46, 111.148, 310.846



Protanomaly
43, 86.993, 297.034



Deuteranomaly
43, 72.809, 293.584



Tritanomaly
44, 48.289, 307.701

Monochromacy



Original Color
46, 111.148, 310.846



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 45.285, 309.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 111.148, 310.846 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(140, 54, 254)` looks like.

```
.text, #text, p{  
    color:rgb(140, 54, 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(140, 54, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 54, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 111.148, 310.846 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(140, 54, 254) }
```

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

```
.border{ border-color:rgb(140, 54, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 54, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 54, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 54, 254); box-shadow:4px 4px 4px 4px rgb(140, 54, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 111.148, 310.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 54, 254) }
```

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

```
.background{ background-color: rgb(140, 54,  
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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