

Converting Colors

CIELCh(46, 111.418, 310.756)

Have a look what the booklet for
CIELCh(46, 111.418, 310.756)
contains.

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Color

CIELCh(46, 111.210, 310.729)

Conversions

Conversions Part 1

Format	Color
Hex	8B36FE
RGB	139, 54, 254
RGB Percent	55%, 21%, 100%
CMY	0.4551, 0.7885, 0.0041
CMYK	0.45, 0.79, 0.00, 0.00
HSL	266°, 99%, 60%
HSV	266°, 79%, 100%
XYZ	29.8341, 15.2687, 95.0917
YIQ	102.2150, -13.5400, 80.2200

Conversions

Conversions Part 2

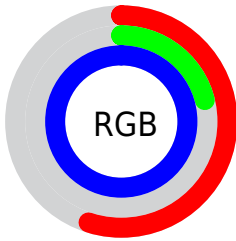
Format	Color
RYB	139, 54, 254
Decimal	9123582
CIELab	46.00, 72.56, -84.28
CIELCh	46, 111.210, 310.729
Yxy	15.2687, 0.2128, 0.1089
Android (android.graphics.Color)	4287313662 (0xFF8B36FE)
YUV	102.2150, 74.8300, 32.2604
Hunter-Lab	39.0751, 67.9045, -116.9332

Details

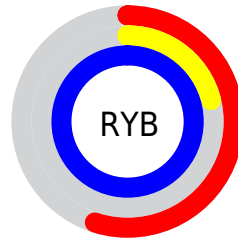
The CIELCh color **46, 111.210, 310.729** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **91, 95.744, 123.748**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 82.768, 315.724**, and **28, 105.062, 309.436** is the 20% darker color. If you saturate the color by 10%, you get **42, 120.506, 310.681**, and if you desaturate by 10%, it is **51, 99.014, 310.422**.

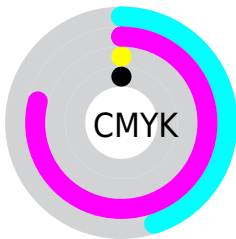
Distribution



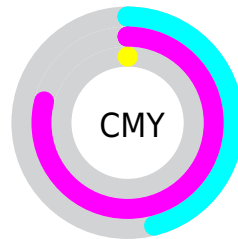
- Red (55%)
- Green (21%)
- Blue (100%)



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



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





- Cyan (46%)
- Magenta (79%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 111.210, 310.729 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, 111.210, 310.729 by changing the saturation by 10% instead.


 46, 111.210,
310.729


 46, 111.210,
310.729


 100, 111.210,
310.729


 36, 111.210,
310.729


 66, 111.210,
310.729


 26, 111.210,
310.729


 76, 111.210,
310.729


 16, 111.210,
310.729


 86, 111.210,
310.729

 6, 111.210,
310.729

 96, 111.210,
310.729

 0, 111.210,
310.729

 46, 111.210,

 46, 111.210,

310.729

310.729

■ 42, 120.506,
310.681

■ 51, 99.014,
310.422

■ 39, 126.106,
310.185

■ 58, 85.085,
309.899

■ 38, 126.681,
310.117

■ 64, 70.346,
309.272

■ 71, 55.395,
308.617

■ 79, 40.579,
307.977

■ 86, 26.082,
307.378

■ 93, 11.991,
306.829

100, 0.525,
109.991

Harmonies

Complementary

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



46, 111.210, 310.729



91, 95.744, 123.748

Rectangle

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



46, 111.210, 310.729



46, 111.210, 0.729



46, 111.210, 130.729



46, 111.210, 180.729

Sweetspot

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



46, 111.210, 310.730



82, 33.746, 307.686



67, 50.494, 265.312



41, 23.303, 307.903



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, 111.210, 310.730



40, 124.780, 310.412



60, 107.429, 325.178



49, 7.818, 306.868



28, 102.148, 310.302



5, 44.914, 310.849

Inverse Universe

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



59, 81.757, 349.625



56, 86.081, 354.142



88, 108.880, 136.205



50, 6.718, 340.527



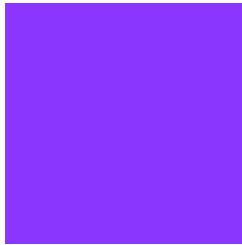
42, 69.641, 355.178



11, 32.769, 350.764

Previews

White Background



This preview shows how the CIELCh color 46, 111.210, 310.729 looks on a white background.

Color Contrast Check

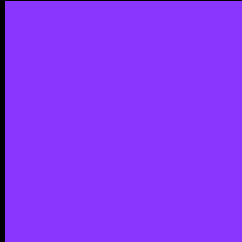
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111.210, 310.729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

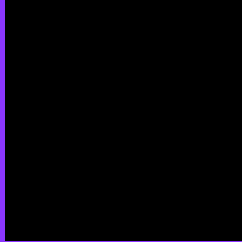
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 111.210, 310.729

Background



This preview shows how black text looks on a background with the CIELCh color 46, 111.210, 310.729.



This preview shows how white text looks on a background with the CIELCh color 46, 111.210, 310.729.

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, 111.210, 310.729

Protanopia

46, 68.926, 286.968

Deuteranopia

46, 48.322, 273.883



Tritanopia
46, 5.464, 278.467

Trichromacy



Original Color
46, 111.210, 310.729



Protanomaly
43, 86.993, 297.034



Deuteranomaly
43, 72.809, 293.584



Tritanomaly
44, 48.250, 307.313

Monochromacy



Original Color
46, 111.210, 310.729



Achromatopsia
43, 0.006, 296.813



Achromatomaly
42, 44.561, 308.728

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 111.210, 310.729 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, 54, 254)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 54, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 54, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 111.210, 310.729 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, 54, 254) }
```

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

```
.border{ border-color:rgb(139, 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(139, 54, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 54, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 54, 254);  
box-shadow:4px 4px 4px 4px rgb(139, 54,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 111.210, 310.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 54, 254) }
```

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

```
.background{ background-color: rgb(139, 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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