

Converting Colors

CIELCh(46, 101.950, 312.562)

Have a look what the booklet for
CIELCh(46, 101.950, 312.562)
contains.

CIELCh(46, 102.002, 312.485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(46, 102.002, 312.485)

Conversions

Conversions Part 1

Format	Color
Hex	9339EE
RGB	147, 57, 238
RGB Percent	58%, 22%, 93%
CMY	0.4240, 0.7770, 0.0672
CMYK	0.38, 0.76, 0.00, 0.07
HSL	270°, 84%, 58%
HSV	270°, 76%, 93%
XYZ	28.8777, 15.2687, 82.2112
YIQ	104.5440, -4.4610, 75.3710

Conversions

Conversions Part 2

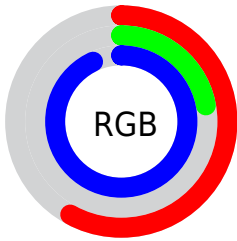
Format	Color
RYB	147, 57, 238
Decimal	9648622
CIELab	46.00, 68.89, -75.22
CIELCh	46, 102.002, 312.485
Yxy	15.2687, 0.2285, 0.1208
Android (android.graphics.Color)	4287838702 (0xFF9339EE)
YUV	104.5440, 65.7938, 37.2339
Hunter-Lab	39.0751, 63.5354, -97.3892

Details

The CIELCh color **46, 102.002, 312.485** 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 **86, 90.764, 126.294**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 81.902, 316.835**, and **28, 96.972, 311.363** is the 20% darker color. If you saturate the color by 10%, you get **42, 111.174, 312.406**, and if you desaturate by 10%, it is **51, 90.355, 312.261**.

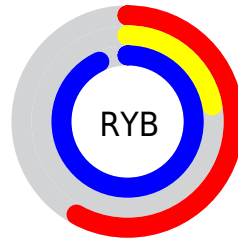
Distribution



Red (58%)

Green (22%)

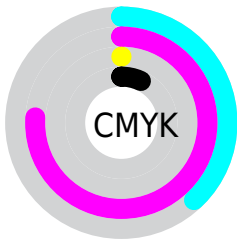
Blue (93%)



Red (58%)

Yellow (22%)

Blue (93%)

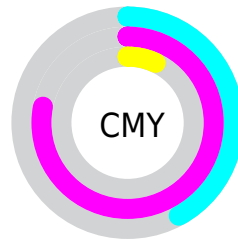


Cyan (38%)

Magenta (76%)

Yellow (0%)

Black (7%)



Cyan (42%)


Magenta (78%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 102.002, 312.485 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, 102.002, 312.485 by changing the saturation by 10% instead.


 46, 102.002,
312.485


 46, 102.002,
312.485


 100, 102.002,
312.485


 36, 102.002,
312.485


 66, 102.002,
312.485

 26, 102.002,
312.485


 76, 102.002,
312.485


 16, 102.002,
312.485

 86, 102.002,
312.485

 6, 102.002,
312.485

 96, 102.002,
312.485

 0, 102.002,
312.485

 46, 102.002,

 46, 102.002,

312.485

312.485

■ 42, 111.174,
312.406

■ 51, 90.355,
312.261

■ 39, 117.007,
311.911

■ 57, 77.203,
311.846

■ 38, 118.660,
311.654

■ 63, 63.312,
311.333

■ 70, 49.196,
310.783

■ 76, 35.168,
310.236

■ 83, 21.403,
309.716

■ 90, 7.991, 309.226

■ 97, 5.027, 128.835

100, 8.677,
110.706

Harmonies

Complementary

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



46, 102.002, 312.485



86, 90.764, 126.294

Rectangle

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



46, 102.002, 312.485



46, 102.002, 2.485



46, 102.002, 132.485



46, 102.002, 182.485

Sweetspot

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



46, 102.002, 312.485



83, 32.672, 310.077



61, 51.793, 272.329



42, 22.718, 310.270



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, 102.002, 312.485



43, 120.884, 312.203



59, 100.313, 327.382



46, 7.533, 309.390



29, 97.552, 311.840



5, 39.622, 311.979

Inverse Universe

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



55, 74.010, 354.127



56, 83.635, 358.977



83, 102.452, 137.236



47, 6.077, 344.253



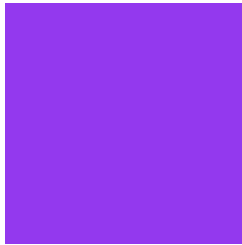
39, 66.249, 1.717



8, 29.470, 355.350

Previews

White Background



This preview shows how the CIELCh color 46, 102.002, 312.485 looks on a white background.

Color Contrast Check

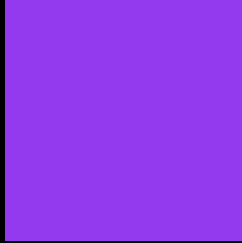
Large Text (above 18pt) WCAG AA ✓ Pass

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 46, 102.002, 312.485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

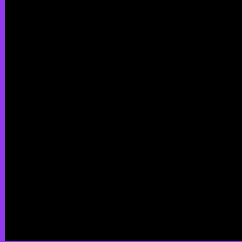
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 46, 102.002, 312.485

Background



This preview shows how black text looks on a background with the CIELCh color 46, 102.002, 312.485.



This preview shows how white text looks on a background with the CIELCh color 46, 102.002, 312.485.

312.485.

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, 102.002, 312.485

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 49.344, 274.732



Tritanopia
46, 8.466, 346.409

Trichromacy



Original Color
46, 102.002, 312.485



Protanomaly
43, 83.610, 296.508



Deuteranomaly
43, 69.897, 292.938



Tritanomaly
44, 44.749, 314.626

Monochromacy



Original Color
46, 102.002, 312.485



Achromatopsia
44, 0.006, 296.813



Achromatomaly
43, 41.276, 311.188

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 102.002, 312.485 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(147, 57, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 57, 238)  
}
```

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(147, 57, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 57, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 102.002, 312.485 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(147, 57, 238) }
```

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

```
.border{ border-color:rgb(147, 57, 238) }
```

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

Here you see how a box with a 4 pixel rgb(147, 57, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 57, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 57, 238);  
box-shadow:4px 4px 4px 4px rgb(147, 57,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 102.002, 312.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 57, 238) }
```

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

```
.background{ background-color: rgb(147, 57,  
238) }
```

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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