

Converting Colors

CIELCh(46, 95.335, 309.741)

Have a look what the booklet for
CIELCh(46, 95.335, 309.741)
contains.

CIELCh(46, 95.022, 309.698)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(46, 95.022, 309.698)

Conversions

Conversions Part 1

Format	Color
Hex	8645EA
RGB	134, 69, 234
RGB Percent	53%, 27%, 92%
CMY	0.4744, 0.7294, 0.0823
CMYK	0.43, 0.71, 0.00, 0.08
HSL	264°, 80%, 59%
HSV	264°, 71%, 92%
XYZ	26.8161, 15.2687, 79.3870
YIQ	107.2450, -14.2250, 65.0950

Conversions

Conversions Part 2

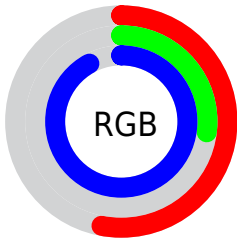
Format	Color
RYB	134, 69, 234
Decimal	8799722
CIELab	46.00, 60.69, -73.11
CIElCh	46, 95.022, 309.698
Yxy	15.2687, 0.2208, 0.1257
Android (android.graphics.Color)	4286989802 (0xFF8645EA)
YUV	107.2450, 62.4902, 23.4641
Hunter-Lab	39.0751, 54.1175, -93.1040

Details

The CIELCh color **46, 95.022, 309.698** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **86, 82.361, 122.347**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 76.181, 313.005**, and **26, 94.951, 309.731** is the 20% darker color. If you saturate the color by 10%, you get **41, 106.349, 310.046**, and if you desaturate by 10%, it is **52, 81.985, 309.123**.

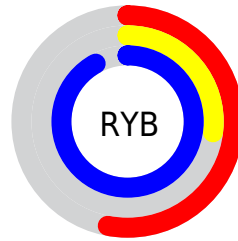
Distribution



Red (53%)

Green (27%)

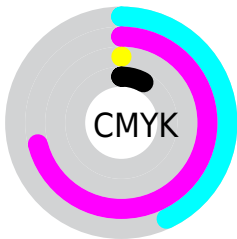
Blue (92%)



Red (53%)

Yellow (27%)

Blue (92%)

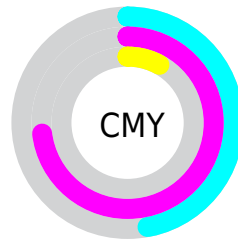


Cyan (43%)

Magenta (71%)

Yellow (0%)

Black (8%)



Cyan (47%)


Magenta (73%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 95.022, 309.698 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, 95.022, 309.698 by changing the saturation by 10% instead.


 46, 95.022,
309.698


 46, 95.022,
309.698


 100, 95.022,
309.698


 36, 95.022,
309.698

 66, 95.022,
309.698


 26, 95.022,
309.698

 76, 95.022,
309.698

 16, 95.022,
309.698

 86, 95.022,
309.698

 6, 95.022, 309.698

 96, 95.022,
309.698

 0, 95.022, 309.698

 46, 95.022,

 46, 95.022,

309.698

309.698

■ 41, 106.349,
310.046

■ 52, 81.985,
309.123

■ 37, 114.815,
310.014

■ 58, 68.153,
308.439

■ 34, 119.786,
309.601

■ 65, 54.119,
307.730


■ 72, 40.219,
307.042

■ 78, 26.628,
306.401

■ 85, 13.428,
305.817

■ 92, 0.650, 305.165

■ 99, 10.995,
123.560

 100, 10.622,
109.374

Harmonies

Complementary

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



46, 95.022, 309.698



86, 82.361, 122.347

Rectangle

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



46, 95.022, 309.698



46, 95.022, 359.698



46, 95.022, 129.698



46, 95.022, 179.698

Sweetspot

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



46, 95.022, 309.699



84, 29.259, 306.437



67, 41.286, 257.006



43, 19.889, 306.610



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, 95.022, 309.699



43, 118.361, 310.087



57, 94.144, 324.018



45, 7.261, 305.760



26, 98.646, 309.775



4, 37.125, 308.103

Inverse Universe

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



57, 73.367, 345.870



58, 85.693, 348.870



83, 94.239, 136.238



46, 6.412, 339.028



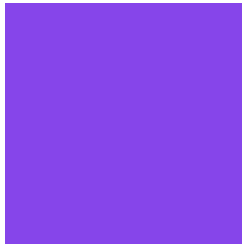
39, 67.778, 352.329



8, 29.906, 347.616

Previews

White Background



This preview shows how the CIELCh color 46, 95.022, 309.698 looks on a white background.

Color Contrast Check

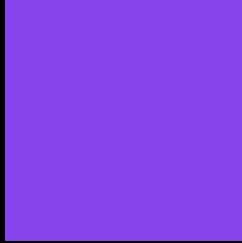
Large Text (above 18pt) WCAG AA ✓ Pass

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, 95.022, 309.698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

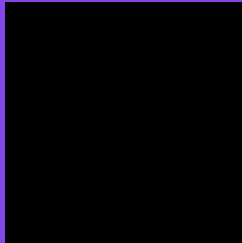
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 95.022, 309.698

Background



This preview shows how black text looks on a background with the CIELCh color 46, 95.022, 309.698.



This preview shows how white text looks on a background with the CIELCh color 46, 95.022, 309.698.

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, 95.022, 309.698

Protanopia

46, 69.473, 287.172

Deuteranopia

46, 49.344, 274.732



Tritanopia
46, 5.400, 282.542

Trichromacy



Original Color
46, 95.022, 309.698



Protanomaly
44, 79.404, 294.606



Deuteranomaly
44, 66.293, 290.731



Tritanomaly
45, 40.226, 305.781

Monochromacy



Original Color
46, 95.022, 309.698



Achromatopsia
45, 0.006, 296.813



Achromatomaly
44, 36.984, 307.754

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 95.022, 309.698 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(134, 69, 234)` looks like.

```
.text, #text, p{  
    color:rgb(134, 69, 234)  
}
```

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(134, 69, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 69, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 95.022, 309.698 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(134, 69, 234) }
```

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

```
.border{ border-color:rgb(134, 69, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 69, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 69, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 69, 234);  
box-shadow:4px 4px 4px 4px rgb(134, 69,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 95.022, 309.698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 69, 234) }
```

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

```
.background{ background-color: rgb(134, 69,  
234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor