

Converting Colors

CIELCh(43, 113.088, 316.405)

Have a look what the booklet for
CIELCh(43, 113.088, 316.405)
contains.

CIELCh(43, 112.842, 316.444)	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(43, 112.842, 316.444)

Conversions

Conversions Part 1

Format	Color
Hex	9E00EA
RGB	158, 0, 234
RGB Percent	62%, 0%, 92%
CMY	0.3813, 1.0000, 0.0832
CMYK	0.33, 1.00, 0.00, 0.08
HSL	280°, 100%, 46%
HSV	280°, 100%, 92%
XYZ	28.8658, 13.1578, 78.6890
YIQ	73.9180, 19.0540, 106.2700

Conversions

Conversions Part 2

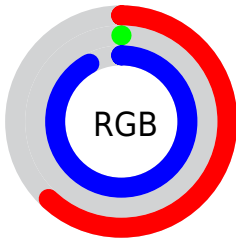
Format	Color
RYB	158, 0, 234
Decimal	10354922
CIELab	43.00, 81.78, -77.76
CIElCh	43, 112.842, 316.444
Yxy	13.1578, 0.2391, 0.1090
Android (android.graphics.Color)	4288545002 (0xFF9E00EA)
YUV	73.9180, 78.9204, 73.7399
Hunter-Lab	36.2736, 78.5678, -103.2272

Details

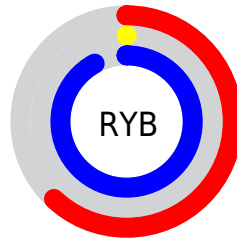
The CIELCh color **43, 112.842, 316.444** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **82, 107.669, 132.869**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 95.976, 320.919**, and **29, 93.881, 313.080** is the 20% darker color. If you saturate the color by 10%, you get **43, 112.767, 316.434**, and if you desaturate by 10%, it is **45, 109.127, 317.078**.

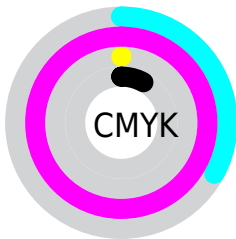
Distribution



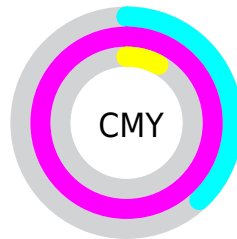
- Red (62%)
- Green (0%)
- Blue (92%)



- Red (62%)
- Yellow (0%)
- Blue (92%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (8%)





- Cyan (38%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 112.842, 316.444 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 43, 112.842, 316.444 by changing the saturation by 10% instead.


 43, 112.842,
316.444


 43, 112.842,
316.444


 100, 112.842,
316.444

 33, 112.842,
316.444

 63, 112.842,
316.444


 23, 112.842,
316.444


 73, 112.842,
316.444


 13, 112.842,
316.444


 83, 112.842,
316.444

 3, 112.842,
316.444

 93, 112.842,
316.444

 0, 112.842,
316.444

 43, 112.842,

 43, 112.842,

316.444

316.444

■ 43, 112.767,
316.434

■ 45, 109.127,
317.078

■ 48, 102.651,
317.429

■ 52, 93.330,
317.492

■ 57, 81.855,
317.340

■ 62, 68.976,
317.042

■ 68, 55.319,
316.657

■ 74, 41.342,
316.226

■ 80, 27.351,
315.781

■ 86, 13.536,
315.337

Harmonies

Complementary

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



43, 112.842, 316.444



82, 107.669, 132.869

Rectangle

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



43, 112.842, 316.444



43, 112.842, 6.444



43, 112.842, 136.444



43, 112.842, 186.444

Sweetspot

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



43, 112.767, 316.434



80, 44.364, 316.233



40, 93.044, 297.149



40, 30.330, 316.418



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



43, 112.767, 316.434



47, 120.467, 316.387



53, 94.837, 336.337



46, 7.707, 315.314



33, 93.028, 316.597



6, 38.423, 317.512

Inverse Universe

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



49, 81.544, 19.746



54, 87.211, 20.044



81, 107.705, 137.691



46, 5.359, 355.084



38, 67.024, 18.720



7, 27.806, 7.865

Previews

White Background



This preview shows how the CIELCh color 43, 112.842, 316.444 looks on a white background.

Color Contrast Check

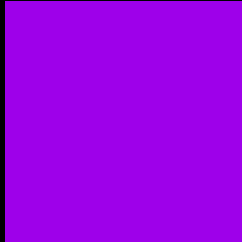
Large Text (above 18pt) WCAG AA ✓ Pass

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 43, 112.842, 316.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

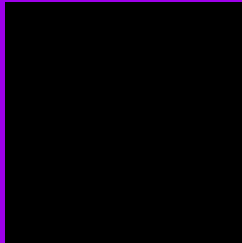
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 112.842, 316.444

Background



This preview shows how black text looks on a background with the CIELCh color 43, 112.842, 316.444.



This preview shows how white text looks on a background with the CIELCh color 43, 112.842, 316.444.

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


43, 112.842, 316.444

Protanopia

44, 65.979, 286.724

Deuteranopia

44, 47.357, 274.648



Tritanopia
43, 18.986, 9.556

Trichromacy



Original Color
43, 112.842, 316.444

Protanomaly
37, 92.889, 301.463

Deuteranomaly
36, 81.398, 299.947

Tritanomaly
40, 58.290, 326.011

Monochromacy



Original Color
43, 112.842, 316.444

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 54.964, 317.247

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 112.842, 316.444 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(158, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 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(158, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 112.842, 316.444 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(158, 0, 234) }
```

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

```
.border{ border-color:rgb(158, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(158, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 112.842, 316.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 234) }
```

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

```
.background{ background-color: rgb(158, 0,  
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