

Converting Colors

CIELCh(44, 113.067, 313.821)

Have a look what the booklet for
CIELCh(44, 113.067, 313.821)
contains.

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Color

CIELCh(44, 112.865, 313.865)

Conversions

Conversions Part 1

Format	Color
Hex	951FF3
RGB	149, 31, 243
RGB Percent	58%, 12%, 95%
CMY	0.4157, 0.8785, 0.0471
CMYK	0.39, 0.87, 0.00, 0.05
HSL	273°, 90%, 54%
HSV	273°, 87%, 95%
XYZ	29.0581, 13.8382, 85.9260
YIQ	90.4500, 2.2760, 90.9480

Conversions

Conversions Part 2

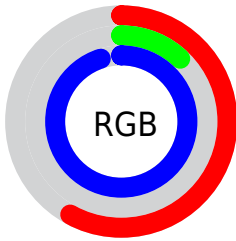
Format	Color
R_{YB}	149, 31, 243
Decimal	9773043
CIE _{Lab}	44.00, 78.21, -81.37
CIE _{LCh}	44, 112.865, 313.865
Yxy	13.8382, 0.2256, 0.1074
Android (android.graphics.Color)	4287963123 (0xFF951FF3)
YUV	90.4500, 75.2071, 51.3484
Hunter-Lab	37.1997, 74.3336, -110.9115

Details

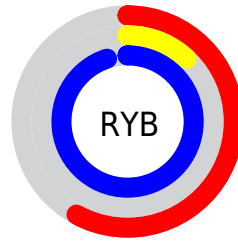
The CIELCh color **44, 112.865, 313.865** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **86, 101.934, 128.784**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 91.007, 318.688**, and **28, 98.679, 311.241** is the 20% darker color. If you saturate the color by 10%, you get **41, 117.972, 313.264**, and if you desaturate by 10%, it is **48, 104.409, 314.075**.

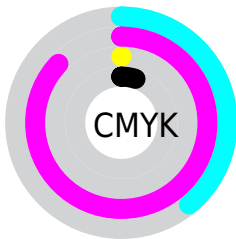
Distribution



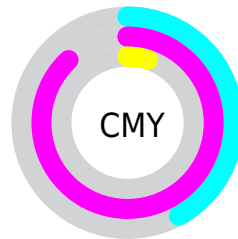
- Red (58%)
- Green (12%)
- Blue (95%)



- Red (58%)
- Yellow (12%)
- Blue (95%)



- Cyan (39%)
- Magenta (87%)
- Yellow (0%)
- Black (5%)





- Cyan (42%)
- Magenta (88%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 112.865, 313.865 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 44, 112.865, 313.865 by changing the saturation by 10% instead.


 44, 112.865,
313.865


 44, 112.865,
313.865


 100, 112.865,
313.865


 34, 112.865,
313.865

 64, 112.865,
313.865


 24, 112.865,
313.865


 74, 112.865,
313.865


 14, 112.865,
313.865


 84, 112.865,
313.865

 4, 112.865,
313.865

 94, 112.865,
313.865

 0, 112.865,
313.865

 44, 112.865,

 44, 112.865,

313.865

313.865

■ 41, 117.972,
313.264

■ 48, 104.409,
314.075

■ 41, 119.046,
313.069

■ 53, 93.261,
313.977

■ 58, 80.339,
313.672

■ 64, 66.440,
313.247

■ 71, 52.137,
312.765

■ 77, 37.800,
312.268

■ 84, 23.650,
311.781

■ 91, 9.811, 311.315

Harmonies

Complementary

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



44, 112.865, 313.865



86, 101.934, 128.784

Rectangle

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



44, 112.865, 313.865



44, 112.865, 3.865



44, 112.865, 133.865



44, 112.865, 183.865

Sweetspot

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



44, 112.865, 313.865



82, 37.460, 312.209



54, 67.743, 283.910



41, 25.485, 312.381



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 112.865, 313.865



43, 123.506, 313.040



58, 104.450, 330.032



47, 7.762, 311.418



31, 97.316, 313.256



6, 41.600, 314.148

Inverse Universe

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



54, 78.736, 2.614



55, 84.477, 8.525



84, 109.900, 137.184



48, 5.948, 347.611



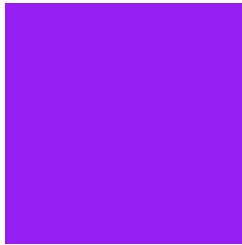
40, 66.651, 7.481



9, 29.836, 0.421

Previews

White Background



This preview shows how the CIELCh color 44, 112.865, 313.865 looks on a white background.

Color Contrast Check

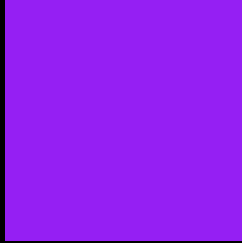
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 112.865, 313.865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

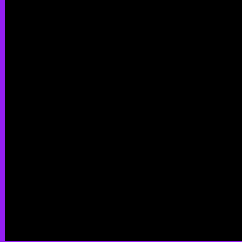
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 112.865, 313.865

Background



This preview shows how black text looks on a background with the CIELCh color 44, 112.865, 313.865.



This preview shows how white text looks on a background with the CIELCh color 44, 112.865, 313.865.

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


44, 112.865, 313.865

Protanopia

44, 66.461, 286.732

Deuteranopia

44, 47.345, 274.371



Tritanopia
44, 10.736, 354.503

Trichromacy



Original Color
44, 112.865, 313.865



Protanomaly
40, 87.797, 298.914



Deuteranomaly
39, 76.019, 296.750



Tritanomaly
41, 52.252, 317.710

Monochromacy



Original Color
44, 112.865, 313.865



Achromatopsia
38, 0.005, 296.813



Achromatomaly
37, 48.954, 313.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 112.865, 313.865 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(149, 31, 243)` looks like.

```
.text, #text, p{  
    color:rgb(149, 31, 243)  
}
```

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(149, 31, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 31, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 112.865, 313.865 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(149, 31, 243) }
```

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

```
.border{ border-color:rgb(149, 31, 243) }
```

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

Here you see how a box with a 4 pixel rgb(149, 31, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 31, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 31, 243);  
box-shadow:4px 4px 4px 4px rgb(149, 31,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 112.865, 313.865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 31, 243) }
```

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

```
.background{ background-color: rgb(149, 31,  
243) }
```

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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