

Converting Colors

CIELCh(44, 120.253, 314.547)

Have a look what the booklet for
CIELCh(44, 120.253, 314.547)
contains.

CIELCh(44, 120.329, 314.550)	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(44, 120.329, 314.550)

Conversions

Conversions Part 1

Format	Color
Hex	9A01FB
RGB	154, 1, 251
RGB Percent	60%, 0%, 98%
CMY	0.3968, 0.9943, 0.0164
CMYK	0.39, 0.99, 0.00, 0.02
HSL	277°, 99%, 49%
HSV	277°, 99%, 98%
XYZ	30.6934, 13.8382, 92.1784
YIQ	75.2470, 10.9380, 110.1860

Conversions

Conversions Part 2

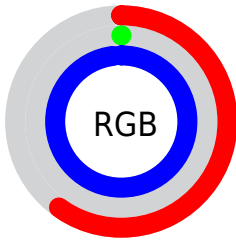
Format	Color
RYB	154, 1, 251
Decimal	10093051
CIELab	44.00, 84.41, -85.75
CIELCh	44, 120.329, 314.550
Yxy	13.8382, 0.2245, 0.1012
Android (android.graphics.Color)	4288283131 (0xFF9A01FB)
YUV	75.2470, 86.6462, 69.0664
Hunter-Lab	37.1997, 82.1802, -120.8767

Details

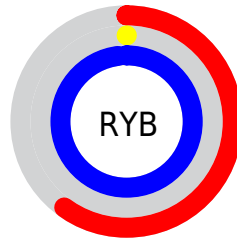
The CIELCh color **44, 120.329, 314.550** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **88, 111.568, 131.467**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 95.460, 320.317**, and **30, 101.847, 311.235** is the 20% darker color. If you saturate the color by 10%, you get **44, 120.538, 314.509**, and if you desaturate by 10%, it is **46, 116.099, 315.233**.

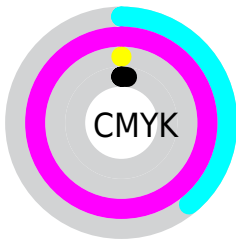
Distribution



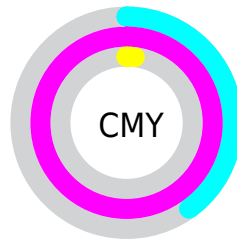
- Red (60%)
- Green (0%)
- Blue (98%)



- Red (60%)
- Yellow (0%)
- Blue (98%)



- Cyan (39%)
- Magenta (99%)
- Yellow (0%)
- Black (2%)





- Cyan (40%)
- Magenta (99%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 120.329, 314.550 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, 120.329, 314.550 by changing the saturation by 10% instead.


 44, 120.329,
314.550


 44, 120.329,
314.550


 100, 120.329,
314.550


 34, 120.329,
314.550


 64, 120.329,
314.550


 24, 120.329,
314.550


 74, 120.329,
314.550


 14, 120.329,
314.550


 84, 120.329,
314.550

 4, 120.329,
314.550

 94, 120.329,
314.550

 0, 120.329,
314.550

 44, 120.329,

 44, 120.329,

314.550

314.550

■ 44, 120.538,
314.509

■ 46, 116.099,
315.233

■ 50, 108.638,
315.569

■ 54, 98.188,
315.590

■ 60, 85.595,
315.386

■ 66, 71.693,
315.038

■ 72, 57.139,
314.611

■ 78, 42.381,
314.151

■ 85, 27.705,
313.686

■ 92, 13.281,
313.232

Harmonies

Complementary

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



44, 120.329, 314.550



88, 111.568, 131.467

Rectangle

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



44, 120.329, 314.550



44, 120.329, 4.550



44, 120.329, 134.550



44, 120.329, 184.550

Sweetspot

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



44, 120.329, 314.550



79, 43.822, 314.179



47, 87.504, 292.982



39, 29.988, 314.375



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, 120.329, 314.550



45, 122.063, 314.499



58, 105.313, 332.726



48, 7.993, 313.236



33, 97.192, 314.697



7, 43.196, 315.932

Inverse Universe

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



53, 83.998, 13.549



54, 85.229, 13.904



86, 116.101, 136.759



49, 5.851, 350.920



40, 67.786, 12.822



10, 30.468, 5.336

Previews

White Background



This preview shows how the CIELCh color 44, 120.329, 314.550 looks on a white background.

Color Contrast Check

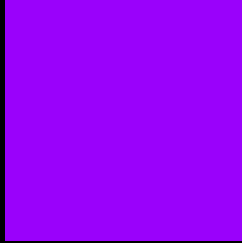
Large Text (above 18pt) WCAG AA ✓ Pass

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, 120.329, 314.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

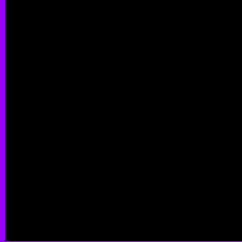
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 120.329, 314.550

Background



This preview shows how black text looks on a background with the CIELCh color 44, 120.329, 314.550.



This preview shows how white text looks on a background with the CIELCh color 44, 120.329, 314.550.

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, 120.432, 314.565

Protanopia

45, 66.942, 286.739

Deuteranopia

44, 47.335, 274.095



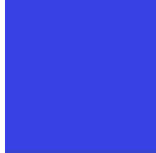
Tritanopia
44, 11.891, 357.457

Trichromacy



Original Color

44, 120.432, 314.565



Protanomaly

38, 96.515, 301.524



Deuteranomaly

37, 83.992, 299.780



Tritanomaly

40, 60.635, 319.631

Monochromacy



Original Color

44, 120.432, 314.565



Achromatopsia

32, 0.005, 296.813



Achromatomaly

32, 58.054, 315.606

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 120.329, 314.550 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(154, 1, 251)` looks like.

```
.text, #text, p{  
    color:rgb(154, 1, 251)  
}
```

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(154, 1, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 1, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 120.329, 314.550 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(154, 1, 251) }
```

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

```
.border{ border-color:rgb(154, 1, 251) }
```

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

Here you see how a box with a 4 pixel rgb(154, 1, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 1, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 1, 251);  
box-shadow:4px 4px 4px 4px rgb(154, 1,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 120.329, 314.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 1, 251) }
```

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

```
.background{ background-color: rgb(154, 1,  
251) }
```

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