

Converting Colors

CIELCh(42, 119.744, 311.649)

Have a look what the booklet for
CIELCh(42, 119.744, 311.649)
contains.

CIELCh(42, 119.605, 311.635)	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(42, 119.605, 311.635)

Conversions

Conversions Part 1

Format	Color
Hex	8318FB
RGB	131, 24, 251
RGB Percent	51%, 9%, 98%
CMY	0.4851, 0.9042, 0.0147
CMYK	0.48, 0.90, 0.00, 0.01
HSL	268°, 97%, 54%
HSV	268°, 90%, 99%
XYZ	27.1926, 12.5000, 92.4600
YIQ	81.8710, -9.0950, 93.2810

Conversions

Conversions Part 2

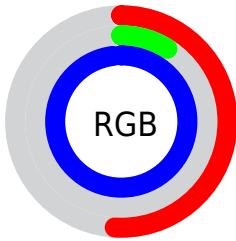
Format	Color
R _Y B	131, 24, 251
Decimal	8591611
CIE Lab	42.00, 79.46, -89.39
CIE LCh	42, 119.605, 311.635
Yxy	12.5000, 0.2058, 0.0946
Android (android.graphics.Color)	4286781691 (0xFF8318FB)
YUV	81.8710, 83.3806, 43.0861
Hunter-Lab	35.3553, 75.4165, -130.3044

Details

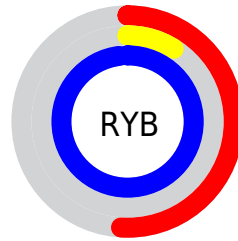
The CIELCh color **42, 119.605, 311.635** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **89, 103.513, 126.242**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 93.222, 316.019**, and **26, 104.953, 308.584** is the 20% darker color. If you saturate the color by 10%, you get **39, 124.427, 311.048**, and if you desaturate by 10%, it is **46, 111.272, 311.845**.

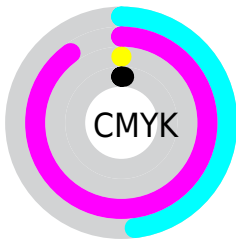
Distribution



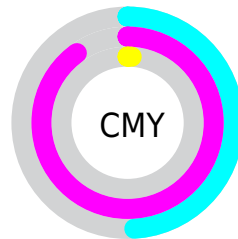
- Red (51%)
- Green (9%)
- Blue (98%)



- Red (51%)
- Yellow (9%)
- Blue (98%)



- Cyan (48%)
- Magenta (90%)
- Yellow (0%)
- Black (1%)





- Cyan (49%)
- Magenta (90%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 119.605, 311.635 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 42, 119.605, 311.635 by changing the saturation by 10% instead.


 42, 119.605,
311.635


 42, 119.605,
311.635


 100, 119.605,
311.635


 32, 119.605,
311.635


 62, 119.605,
311.635


 22, 119.605,
311.635


 72, 119.605,
311.635


 12, 119.605,
311.635


 82, 119.605,
311.635

 2, 119.605,
311.635

 92, 119.605,
311.635

 0, 119.605,
311.635

 42, 119.605,

 42, 119.605,

311.635

311.635

■ 39, 124.427,
311.048

■ 46, 111.272,
311.845

■ 51, 99.897,
311.687

■ 57, 86.561,
311.291

■ 63, 72.195,
310.765

■ 70, 57.449,
310.186

■ 77, 42.721,
309.603

■ 84, 28.234,
309.045

■ 91, 14.107,
308.525

Harmonies

Complementary

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



42, 119.605, 311.635



89, 103.513, 126.242

Rectangle

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



42, 119.605, 311.635



42, 119.605, 1.635



42, 119.605, 131.635



42, 119.605, 181.635

Sweetspot

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



42, 119.606, 311.636



80, 38.391, 309.418



59, 61.633, 276.932



40, 25.981, 309.612



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 119.606, 311.636



40, 125.840, 311.039



59, 112.334, 326.940



48, 7.756, 308.485



29, 100.142, 311.244



5, 43.214, 311.857

Inverse Universe

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



55, 83.186, 356.441



55, 85.062, 0.155



87, 115.658, 136.152



49, 6.401, 342.863



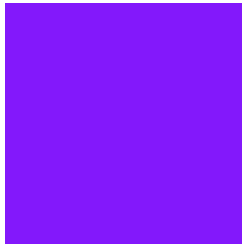
41, 67.968, 359.347



10, 31.364, 353.971

Previews

White Background



This preview shows how the CIE LCh color 42, 119.605, 311.635 looks on a white background.

Color Contrast Check

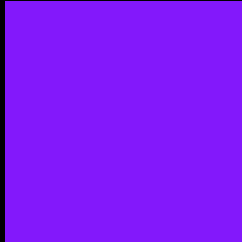
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 119.605, 311.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

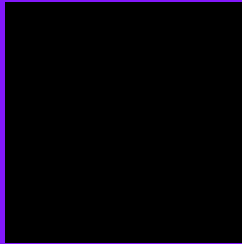
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 119.605, 311.635

Background



This preview shows how black text looks on a background with the CIELCh color 42, 119.605, 311.635.



This preview shows how white text looks on a background with the CIELCh color 42, 119.605, 311.635.

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


42, 119.605, 311.635

Protanopia

42, 63.487, 286.463

Deuteranopia

42, 44.810, 273.498



Tritanopia
42, 5.336, 264.446

Trichromacy



Original Color
42, 119.605, 311.635

Protanomaly
38, 89.499, 299.571

Deuteranomaly
37, 77.134, 297.236

Tritanomaly
39, 53.957, 308.859

Monochromacy



Original Color
42, 119.605, 311.635

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 52.662, 311.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 119.605, 311.635 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(131, 24, 251)` looks like.

```
.text, #text, p{  
    color:rgb(131, 24, 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(131, 24, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 24, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 119.605, 311.635 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(131, 24, 251) }
```

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

```
.border{ border-color:rgb(131, 24, 251) }
```

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

Here you see how a box with a 4 pixel rgb(131, 24, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 24, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 24, 251);  
box-shadow:4px 4px 4px 4px rgb(131, 24,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 119.605, 311.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 24, 251) }
```

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

```
.background{ background-color: rgb(131, 24,  
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