

Converting Colors

CIELCh(42, 118.102, 312.869)

Have a look what the booklet for
CIELCh(42, 118.102, 312.869)
contains.

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Color

CIELCh(42, 118.000, 312.845)

Conversions

Conversions Part 1

Format	Color
Hex	8A11F6
RGB	138, 17, 246
RGB Percent	54%, 7%, 96%
CMY	0.4580, 0.9317, 0.0345
CMYK	0.44, 0.93, 0.00, 0.03
HSL	272°, 93%, 52%
HSV	272°, 93%, 97%
XYZ	27.3858, 12.5000, 88.3133
YIQ	79.2850, -1.3930, 96.8710

Conversions

Conversions Part 2

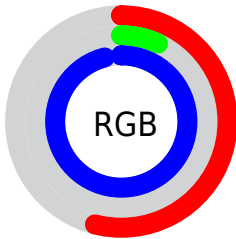
Format	Color
R _{YB}	138, 17, 246
Decimal	9048566
CIE _{Lab}	42.00, 80.24, -86.52
CIE _{LCh}	42, 118.000, 312.845
Yxy	12.5000, 0.2136, 0.0975
Android (android.graphics.Color)	4287238646 (0xFF8A11F6)
YUV	79.2850, 82.1905, 51.4931
Hunter-Lab	35.3553, 76.3920, -123.3505

Details

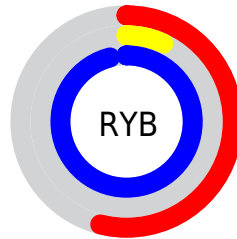
The CIELCh color $42, 118.000, 312.845$ is a dark color, and the websafe version is hex $9900FF$. The color can be described as middle washed purple. A complement of this color would be $87, 104.919, 128.417$, and the grayscale version is $34, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 94.752, 317.322$, and $27, 101.703, 309.557$ is the 20% darker color. If you saturate the color by 10%, you get $40, 120.995, 312.351$, and if you desaturate by 10%, it is $45, 111.148, 313.248$.

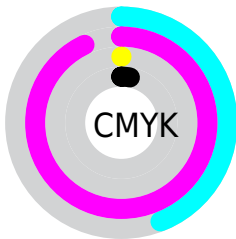
Distribution



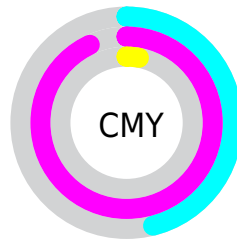
- Red (54%)
- Green (7%)
- Blue (96%)



- Red (54%)
- Yellow (7%)
- Blue (96%)



- Cyan (44%)
- Magenta (93%)
- Yellow (0%)
- Black (3%)





- Cyan (46%)
- Magenta (93%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 118.000, 312.845 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, 118.000, 312.845 by changing the saturation by 10% instead.


 42, 118.000,
312.845


 42, 118.000,
312.845


 100, 118.000,
312.845


 32, 118.000,
312.845


 62, 118.000,
312.845


 22, 118.000,
312.845


 72, 118.000,
312.845


 12, 118.000,
312.845


 82, 118.000,
312.845

 2, 118.000,
312.845

 92, 118.000,
312.845

 0, 118.000,
312.845

 42, 118.000,

 42, 118.000,

312.845

■ 40, 120.995,
312.351

312.845

■ 45, 111.148,
313.248

■ 50, 101.095,
313.274

■ 55, 88.757,
313.033

■ 61, 75.064,
312.628

■ 68, 60.726,
312.138

■ 74, 46.217,
311.618

■ 81, 31.825,
311.103

■ 88, 17.712,
310.610

Harmonies

Complementary

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



42, 118.000, 312.845



87, 104.919, 128.417

Rectangle

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



42, 118.000, 312.845



42, 118.000, 2.845



42, 118.000, 132.845



42, 118.000, 182.845

Sweetspot

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



42, 118.000, 312.846



80, 40.229, 311.365



54, 68.646, 283.366



40, 27.900, 311.590



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, 118.000, 312.846



42, 124.284, 312.330



58, 109.841, 328.835



47, 7.714, 310.447



30, 97.917, 312.547



5, 41.550, 313.272

Inverse Universe

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



54, 81.248, 2.436



55, 84.436, 5.692



85, 114.658, 136.364



48, 6.059, 345.960



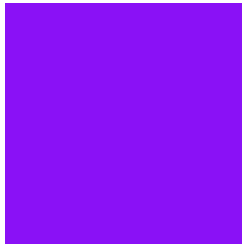
40, 66.686, 4.708



9, 30.022, 358.111

Previews

White Background



This preview shows how the CIELCh color 42, 118.000, 312.845 looks on a white background.

Color Contrast Check

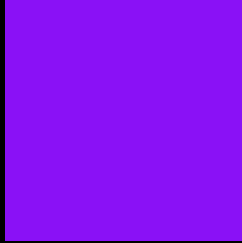
Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 118.000, 312.845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

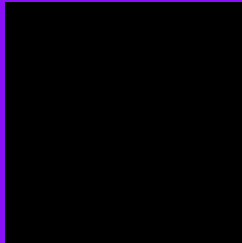
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 118.000, 312.845

Background



This preview shows how black text looks on a background with the CIELCh color 42, 118.000, 312.845.



This preview shows how white text looks on a background with the CIELCh color 42, 118.000,

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

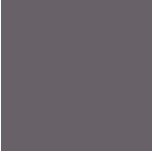
42, 118.000, 312.845

Protanopia

42, 64.042, 286.692

Deuteranopia

42, 45.327, 273.972



Tritanopia
42, 5.390, 328.429

Trichromacy



Original Color
42, 118.000, 312.845

Protanomaly
37, 90.754, 300.297

Deuteranomaly
37, 78.469, 298.170

Tritanomaly
38, 55.273, 313.580

Monochromacy



Original Color
42, 118.000, 312.845

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 53.048, 312.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 118.000, 312.845 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(138, 17, 246)` looks like.

```
.text, #text, p{  
    color:rgb(138, 17, 246)  
}
```

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(138, 17, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 17, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 118.000, 312.845 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(138, 17, 246) }
```

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

```
.border{ border-color:rgb(138, 17, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 17, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 17, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 17, 246);  
box-shadow:4px 4px 4px 4px rgb(138, 17,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 118.000, 312.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 17, 246) }
```

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

```
.background{ background-color: rgb(138, 17,  
246) }
```

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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