

Converting Colors

CIELCh(42, 102.698, 317.138)

Have a look what the booklet for
CIELCh(42, 102.698, 317.138)
contains.

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Color

CIELCh(42, 102.698, 317.138)

Conversions

Conversions Part 1

Format	Color
Hex	9A17D9
RGB	154, 23, 217
RGB Percent	60%, 9%, 85%
CMY	0.3959, 0.9096, 0.1489
CMYK	0.29, 0.89, 0.00, 0.15
HSL	281°, 81%, 47%
HSV	281°, 89%, 85%
XYZ	26.1691, 12.5000, 66.7012
YIQ	84.2850, 15.8020, 88.1060

Conversions

Conversions Part 2

Format	Color
RYB	154, 23, 217
Decimal	10098649
CIELab	42.00, 75.28, -69.86
CIELCh	42, 102.698, 317.138
Yxy	12.5000, 0.2484, 0.1186
Android (android.graphics.Color)	4288288729 (0xFF9A17D9)
YUV	84.2850, 65.4285, 61.1401
Hunter-Lab	35.3553, 70.2492, -87.1075

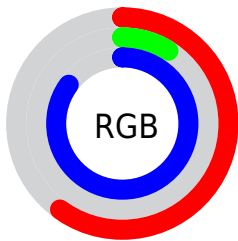
Details

The CIELCh color **42, 102.698, 317.138** is a dark color, and the websafe version is hex **9900CC**.

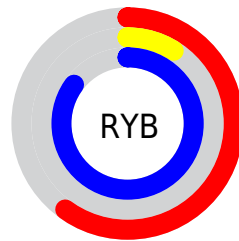
The color can be described as dark washed purple. A complement of this color would be **77, 97.620, 132.026**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 93.549, 319.741**, and **27, 86.705, 314.253** is the 20% darker color. If you saturate the color by 10%, you get **40, 106.388, 316.528**, and if you desaturate by 10%, it is **45, 96.315, 317.457**.

Distribution



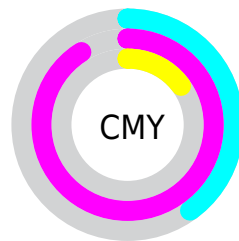
- Red (60%)
- Green (9%)
- Blue (85%)



- Red (60%)
- Yellow (9%)
- Blue (85%)



- Cyan (29%)
- Magenta (89%)
- Yellow (0%)
- Black (15%)





- Cyan (40%)
- Magenta (91%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 102.698, 317.138 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, 102.698, 317.138 by changing the saturation by 10% instead.


 42, 102.698,
317.138


 42, 102.698,
317.138


 100, 102.698,
317.138


 32, 102.698,
317.138


 62, 102.698,
317.138


 22, 102.698,
317.138


 72, 102.698,
317.138

 12, 102.698,
317.138


 82, 102.698,
317.138

 2, 102.698,
317.138

 92, 102.698,
317.138

 0, 102.698,
317.138

 42, 102.698,

 42, 102.698,

317.138

317.138

■ 40, 106.388,
316.528

■ 45, 96.315,
317.457

■ 40, 106.593,
316.488

■ 49, 87.318,
317.496

■ 53, 76.368,
317.329

■ 58, 64.159,
317.023

■ 64, 51.263,
316.634

■ 69, 38.094,
316.204

■ 75, 24.928,
315.760

■ 81, 11.938,
315.319

Harmonies

Complementary

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



42, 102.698, 317.138



77, 97.620, 132.026

Rectangle

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



42, 102.698, 317.138



42, 102.698, 7.138



42, 102.698, 137.138



42, 102.698, 187.138

Sweetspot

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



42, 102.697, 317.138



82, 39.853, 316.110



41, 77.526, 293.234



41, 26.913, 316.262



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, 102.697, 317.138



47, 120.459, 316.397



51, 88.529, 335.388



43, 7.292, 315.322



31, 90.075, 316.639



4, 32.625, 316.380

Inverse Universe

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



47, 73.182, 13.875



54, 87.225, 20.075



76, 96.507, 139.217



43, 5.068, 355.100



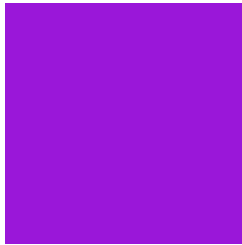
36, 64.866, 18.553



6, 23.970, 5.619

Previews

White Background



This preview shows how the CIELCh color 42, 102.698, 317.138 looks on a white background.

Color Contrast Check

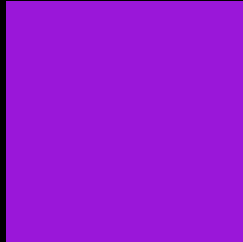
Large Text (above 18pt) WCAG AA ✓ Pass

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, 102.698, 317.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

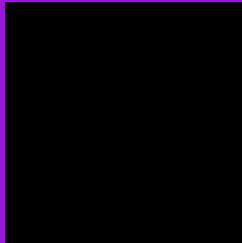
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 102.698, 317.138

Background



This preview shows how black text looks on a background with the CIELCh color 42, 102.698, 317.138.



This preview shows how white text looks on a background with the CIELCh color 42, 102.698, 317.138.

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, 102.698, 317.138

Protanopia

43, 63.974, 286.474

Deuteranopia

42, 46.891, 275.332



Tritanopia
42, 20.397, 12.392

Trichromacy



Original Color
42, 102.698, 317.138



Protanomaly
37, 83.367, 299.544



Deuteranomaly
37, 72.577, 297.596



Tritanomaly
40, 50.724, 328.340

Monochromacy



Original Color
42, 102.698, 317.138



Achromatopsia
36, 0.005, 296.813



Achromatomaly
35, 45.874, 316.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 102.698, 317.138 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, 23, 217)` looks like.

```
.text, #text, p{  
    color:rgb(154, 23, 217)  
}
```

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, 23, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 23, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 102.698, 317.138 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, 23, 217) }
```

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

```
.border{ border-color:rgb(154, 23, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 23, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 23, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 23, 217);  
box-shadow:4px 4px 4px 4px rgb(154, 23,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 102.698, 317.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 23, 217) }
```

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

```
.background{ background-color: rgb(154, 23,  
217) }
```

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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