

Converting Colors

CIELCh(42, 104.136, 318.851)

Have a look what the booklet for
CIELCh(42, 104.136, 318.851)
contains.

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Color

CIELCh(42, 104.195, 318.840)

Conversions

Conversions Part 1

Format	Color
Hex	A102D7
RGB	161, 2, 215
RGB Percent	63%, 1%, 84%
CMY	0.3691, 0.9935, 0.1573
CMYK	0.25, 0.99, 0.00, 0.16
HSL	285°, 98%, 42%
HSV	285°, 99%, 84%
XYZ	26.9414, 12.5000, 65.2031
YIQ	73.8230, 26.3910, 99.9510

Conversions

Conversions Part 2

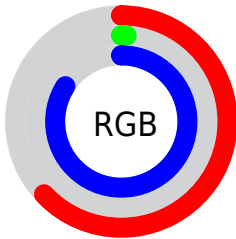
Format	Color
R_{YB}	161, 2, 215
Decimal	10552023
CIE _{Lab}	42.00, 78.45, -68.58
CIE _{LCh}	42, 104.195, 318.840
Yxy	12.5000, 0.2575, 0.1195
Android (android.graphics.Color)	4288742103 (0xFFA102D7)
YUV	73.8230, 69.6003, 76.4542
Hunter-Lab	35.3553, 74.1481, -84.5952

Details

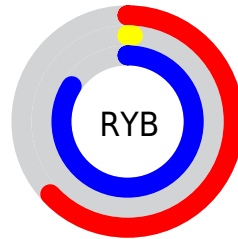
The CIELCh color **42, 104.195, 318.840** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **76, 102.293, 134.009**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 96.021, 321.289**, and **28, 85.012, 315.703** is the 20% darker color. If you saturate the color by 10%, you get **42, 104.413, 318.798**, and if you desaturate by 10%, it is **44, 100.902, 319.371**.

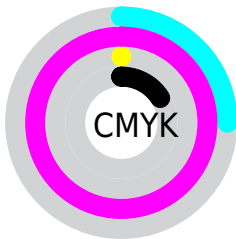
Distribution



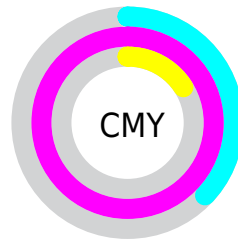
- Red (63%)
- Green (1%)
- Blue (84%)



- Red (63%)
- Yellow (1%)
- Blue (84%)



- Cyan (25%)
- Magenta (99%)
- Yellow (0%)
- Black (16%)





- Cyan (37%)
- Magenta (99%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 104.195, 318.840 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, 104.195, 318.840 by changing the saturation by 10% instead.


 42, 104.195,
318.840


 42, 104.195,
318.840


 100, 104.195,
318.840


 32, 104.195,
318.840


 62, 104.195,
318.840


 22, 104.195,
318.840


 72, 104.195,
318.840


 12, 104.195,
318.840


 82, 104.195,
318.840

 2, 104.195,
318.840

 92, 104.195,
318.840

 0, 104.195,
318.840

 42, 104.195,

 42, 104.195,

318.840

318.840

■ 42, 104.413,
318.798

■ 44, 100.902,
319.371

■ 46, 95.009,
319.650

■ 50, 86.512,
319.686

■ 54, 75.978,
319.533

■ 59, 64.054,
319.247

■ 64, 51.309,
318.875

■ 69, 38.181,
318.456

■ 75, 24.973,
318.016

■ 81, 11.884,
317.570

Harmonies

Complementary

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



42, 104.195, 318.840



76, 102.293, 134.009

Rectangle

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



42, 104.195, 318.840



42, 104.195, 8.840



42, 104.195, 138.840



42, 104.195, 188.840

Sweetspot

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



42, 104.194, 318.840



80, 45.035, 318.501



34, 95.022, 300.005



40, 30.756, 318.683



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, 104.194, 318.840



50, 118.862, 318.715



48, 84.700, 340.305



42, 7.287, 317.578



33, 87.950, 318.930



4, 31.059, 318.616

Inverse Universe

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



45, 78.977, 25.423



54, 90.696, 26.429



75, 97.299, 139.253



42, 4.802, 0.115



36, 66.429, 24.838



5, 22.152, 8.503

Previews

White Background



This preview shows how the CIELCh color 42, 104.195, 318.840 looks on a white background.

Color Contrast Check

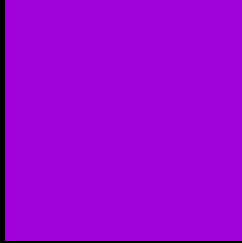
Large Text (above 18pt) WCAG AA ✓ Pass

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, 104.195, 318.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

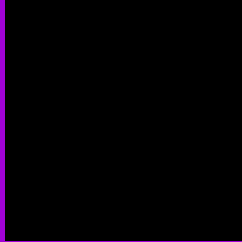
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 104.195, 318.840

Background



This preview shows how black text looks on a background with the CIELCh color 42, 104.195, 318.840.



This preview shows how white text looks on a background with the CIELCh color 42, 104.195, 318.840.

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, 104.195, 318.840

Protanopia

43, 64.459, 286.484

Tritanopia

42, 25.375, 15.271

Trichromacy



Original Color
42, 104.195, 318.840

Protanomaly
36, 88.127, 301.418

Tritanomaly
39, 55.793, 332.248

Monochromacy



Original Color
42, 104.195, 318.840

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 50.833, 319.729

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 104.195, 318.840 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(161, 2, 215)` looks like.

```
.text, #text, p{  
    color:rgb(161, 2, 215)  
}
```

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(161, 2, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 2, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 104.195, 318.840 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(161, 2, 215) }
```

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

```
.border{ border-color:rgb(161, 2, 215) }
```

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

Here you see how a box with a 4 pixel rgb(161, 2, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 2, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 2, 215);  
box-shadow:4px 4px 4px 4px rgb(161, 2,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 104.195, 318.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 2, 215) }
```

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

```
.background{ background-color: rgb(161, 2,  
215) }
```

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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