

Converting Colors

CIELCh(42, 83.859, 315.501)

Have a look what the booklet for
CIELCh(42, 83.859, 315.501)
contains.

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Color

CIELCh(42, 83.913, 315.529)

Conversions

Conversions Part 1

Format	Color
Hex	8E37C6
RGB	142, 55, 198
RGB Percent	56%, 22%, 78%
CMY	0.4442, 0.7853, 0.2246
CMYK	0.28, 0.72, 0.00, 0.22
HSL	277°, 57%, 50%
HSV	277°, 72%, 78%
XYZ	22.6262, 12.5000, 54.4878
YIQ	97.3150, 5.9490, 62.9170

Conversions

Conversions Part 2

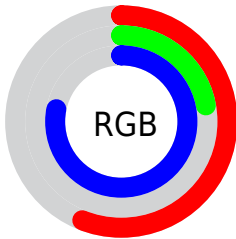
Format	Color
RYB	142, 55, 198
Decimal	9320390
CIELab	42.00, 59.88, -58.79
CIElCh	42, 83.913, 315.529
Yxy	12.5000, 0.2525, 0.1395
Android (android.graphics.Color)	4287510470 (0xFF8E37C6)
YUV	97.3150, 49.6377, 39.1887
Hunter-Lab	35.3553, 52.3622, -66.6259

Details

The CIELCh color **42, 83.913, 315.529** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **72, 78.044, 129.802**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 83.842, 315.696**, and **24, 79.244, 314.670** is the 20% darker color. If you saturate the color by 10%, you get **38, 92.147, 315.461**, and if you desaturate by 10%, it is **46, 73.803, 315.362**.

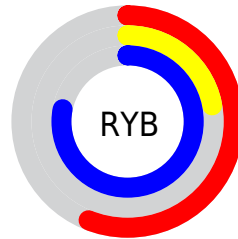
Distribution



Red (56%)

Green (22%)

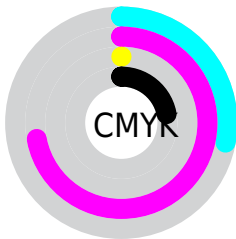
Blue (78%)



Red (56%)

Yellow (22%)

Blue (78%)

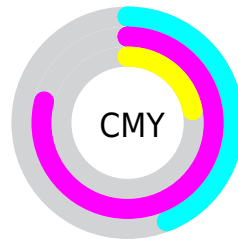


Cyan (28%)

Magenta (72%)

Yellow (0%)

Black (22%)



Cyan (44%)


Magenta (79%)


Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 83.913, 315.529 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, 83.913, 315.529 by changing the saturation by 10% instead.

 42, 83.913,
315.529


 42, 83.913,
315.529


 100, 83.913,
315.529


 32, 83.913,
315.529

 62, 83.913,
315.529


 22, 83.913,
315.529


 72, 83.913,
315.529

 12, 83.913,
315.529

 82, 83.913,
315.529

 2, 83.913, 315.529

 92, 83.913,
315.529

 0, 83.913, 315.529

 42, 83.913,

 42, 83.913,

315.529

■ 38, 92.147,
315.461

■ 36, 97.852,
315.071

■ 34, 100.724,
314.589

315.529

■ 46, 73.803,
315.362

■ 51, 62.509,
315.041

■ 56, 50.588,
314.631

■ 62, 38.436,
314.180

■ 67, 26.307,
313.719

■ 73, 14.357,
313.268

■ 78, 2.672, 312.800

■ 84, 8.702, 132.483

■ 90, 19.748,
132.117

Harmonies

Complementary

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



42, 83.913, 315.529



72, 78.044, 129.802

Rectangle

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



42, 83.913, 315.529



42, 83.913, 5.529



42, 83.913, 135.529



42, 83.913, 185.529

Sweetspot

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



42, 83.912, 315.529



85, 31.882, 313.720



48, 51.308, 281.895



43, 21.481, 313.846



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, 83.912, 315.529



48, 116.141, 315.270



50, 78.743, 331.347



39, 6.619, 313.138



28, 87.254, 314.740



3, 22.907, 310.094

Inverse Universe

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



47, 60.010, 1.321



56, 81.373, 7.164



71, 81.319, 140.141



39, 4.855, 350.730



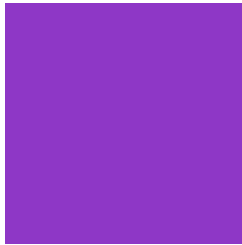
34, 60.763, 11.936



4, 16.993, 359.358

Previews

White Background



This preview shows how the CIELCh color 42, 83.913, 315.529 looks on a white background.

Color Contrast Check

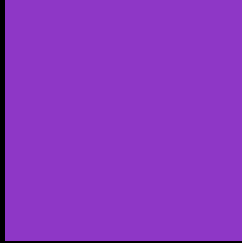
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.913, 315.529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

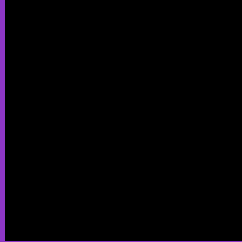
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 42, 83.913, 315.529

Background



This preview shows how black text looks on a background with the CIELCh color 42, 83.913, 315.529.



This preview shows how white text looks on a background with the CIELCh color 42, 83.913, 315.529.

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, 83.913, 315.529

Protanopia
42, 64.598, 286.917

Deuteranopia
42, 47.416, 275.765



Tritanopia
42, 15.185, 5.625

Trichromacy



Original Color
42, 83.913, 315.529

Protanomaly
39, 72.523, 295.535

Deuteranomaly
39, 60.820, 291.994

Tritanomaly
41, 39.212, 324.548

Monochromacy



Original Color
42, 83.913, 315.529

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 33.646, 314.031

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 83.913, 315.529 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(142, 55, 198)` looks like.

```
.text, #text, p{  
    color:rgb(142, 55, 198)  
}
```

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(142, 55, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 55, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 83.913, 315.529 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(142, 55, 198) }
```

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

```
.border{ border-color:rgb(142, 55, 198) }
```

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

Here you see how a box with a 4 pixel rgb(142, 55, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 55, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 55, 198);  
box-shadow:4px 4px 4px 4px rgb(142, 55,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 83.913, 315.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 55, 198) }
```

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

```
.background{ background-color: rgb(142, 55,  
198) }
```

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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