

Converting Colors

CIELCh(44, 106.662, 319.337)

Have a look what the booklet for
CIELCh(44, 106.662, 319.337)
contains.

CIELCh(44, 106.566, 319.415)	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(44, 106.566, 319.415)

Conversions

Conversions Part 1

Format	Color
Hex	AA01DE
RGB	170, 1, 222
RGB Percent	67%, 0%, 87%
CMY	0.3334, 0.9962, 0.1295
CMYK	0.23, 1.00, 0.00, 0.13
HSL	286°, 99%, 44%
HSV	286°, 100%, 87%
XYZ	29.7677, 13.8382, 70.1991
YIQ	76.7250, 29.7830, 104.5590

Conversions

Conversions Part 2

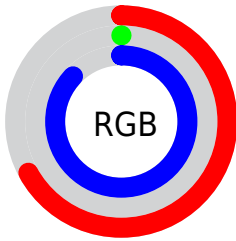
Format	Color
RYB	170, 1, 222
Decimal	11141598
CIELab	44.00, 80.93, -69.33
CIElCh	44, 106.566, 319.415
Yxy	13.8382, 0.2616, 0.1216
Android (android.graphics.Color)	4289331678 (0xFFAA01DE)
YUV	76.7250, 71.6206, 81.8022
Hunter-Lab	37.1997, 77.7382, -85.8455

Details

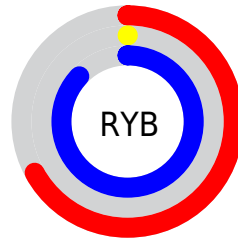
The CIELCh color **44, 106.566, 319.415** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **78, 105.316, 134.304**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 95.389, 322.900**, and **30, 87.309, 316.473** is the 20% darker color. If you saturate the color by 10%, you get **44, 106.683, 319.392**, and if you desaturate by 10%, it is **46, 103.410, 319.931**.

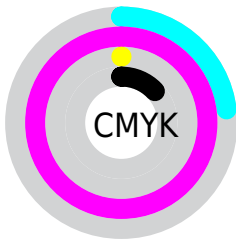
Distribution



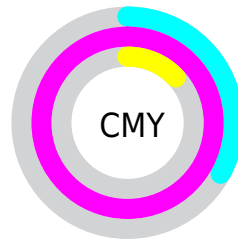
- Red (67%)
- Green (0%)
- Blue (87%)



- Red (67%)
- Yellow (0%)
- Blue (87%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)





- Cyan (33%)
- Magenta (100%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 106.566, 319.415 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 44, 106.566, 319.415 by changing the saturation by 10% instead.


 44, 106.566,
319.415


 44, 106.566,
319.415


 100, 106.566,
319.415


 34, 106.566,
319.415


 64, 106.566,
319.415


 24, 106.566,
319.415


 74, 106.566,
319.415


 14, 106.566,
319.415


 84, 106.566,
319.415

 4, 106.566,
319.415

 94, 106.566,
319.415

 0, 106.566,
319.415

 44, 106.566,

 44, 106.566,

319.415

■ 44, 106.683,
319.392

319.415

■ 46, 103.410,
319.931

■ 48, 97.624,
320.209

■ 52, 89.135,
320.249

■ 56, 78.491,
320.102

■ 60, 66.350,
319.821

■ 66, 53.303,
319.452

■ 71, 39.815,
319.034

■ 77, 26.212,
318.592

■ 83, 12.710,
318.142

Harmonies

Complementary

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



44, 106.566, 319.415



78, 105.316, 134.304

Rectangle

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



44, 106.566, 319.415



44, 106.566, 9.415



44, 106.566, 139.415



44, 106.566, 189.415

Sweetspot

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



44, 106.565, 319.415



80, 45.214, 319.062



34, 100.048, 300.851



40, 30.869, 319.244



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 106.565, 319.415



50, 118.499, 319.330



50, 85.764, 341.496



44, 7.608, 318.137



34, 89.630, 319.516



6, 35.227, 320.133

Inverse Universe

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



47, 82.074, 27.206



54, 91.736, 27.905



78, 98.993, 139.579



44, 4.952, 1.437



37, 68.682, 26.471



6, 25.288, 10.926

Previews

White Background



This preview shows how the CIE LCh color 44, 106.566, 319.415 looks on a white background.

Color Contrast Check

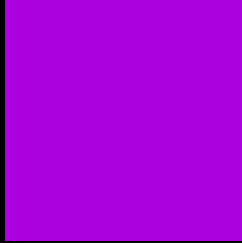
Large Text (above 18pt) WCAG AA ✓ Pass

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 44, 106.566, 319.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

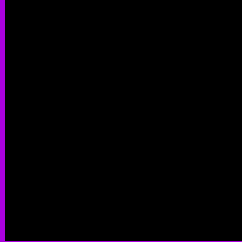
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 106.566, 319.415

Background



This preview shows how black text looks on a background with the CIELCh color 44, 106.566, 319.415.



This preview shows how white text looks on a background with the CIELCh color 44, 106.566, 319.415.

319.415.

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

44, 106.566, 319.415

Protanopia

45, 67.491, 286.952

Deuteranopia

45, 49.404, 275.794



Tritanopia
44, 28.309, 16.527

Trichromacy



Original Color
44, 106.566, 319.415



Protanomaly
38, 91.618, 301.639



Deuteranomaly
37, 79.462, 299.943



Tritanomaly
41, 57.993, 333.861

Monochromacy



Original Color
44, 106.566, 319.415



Achromatopsia
33, 0.005, 296.813



Achromatomaly
32, 53.049, 320.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 106.566, 319.415 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(170, 1, 222)` looks like.

```
.text, #text, p{  
    color:rgb(170, 1, 222)  
}
```

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(170, 1, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 1, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 106.566, 319.415 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(170, 1, 222) }
```

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

```
.border{ border-color:rgb(170, 1, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 1, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 1, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 1, 222);  
box-shadow:4px 4px 4px 4px rgb(170, 1,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 106.566, 319.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 1, 222) }
```

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

```
.background{ background-color: rgb(170, 1,  
222) }
```

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