

Converting Colors

CIELCh(44, 105.643, 319.526)

Have a look what the booklet for
CIELCh(44, 105.643, 319.526)
contains.

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Color

CIELCh(44, 105.828, 319.500)

Conversions

Conversions Part 1

Format	Color
Hex	AA04DD
RGB	170, 4, 221
RGB Percent	67%, 2%, 87%
CMY	0.3336, 0.9851, 0.1336
CMYK	0.23, 0.98, 0.00, 0.13
HSL	286°, 97%, 44%
HSV	286°, 98%, 87%
XYZ	29.6473, 13.8382, 69.4710
YIQ	78.3720, 29.2790, 102.6790

Conversions

Conversions Part 2

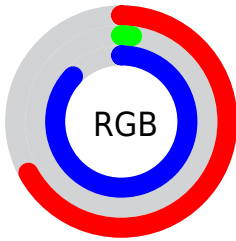
Format	Color
R_{YB}	170, 4, 221
Decimal	11142365
CIE _{Lab}	44.00, 80.47, -68.73
CIE _{LCh}	44, 105.828, 319.500
Yxy	13.8382, 0.2625, 0.1225
Android (android.graphics.Color)	4289332445 (0xFFAA04DD)
YUV	78.3720, 70.3156, 80.3578
Hunter-Lab	37.1997, 77.1605, -84.6850

Details

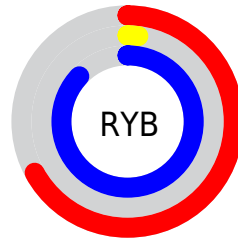
The CIELCh color **44, 105.828, 319.500** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **78, 104.534, 134.249**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **63, 95.389, 322.900**, and **30, 86.851, 316.601** is the 20% darker color. If you saturate the color by 10%, you get **44, 106.296, 319.407**, and if you desaturate by 10%, it is **46, 102.445, 319.995**.

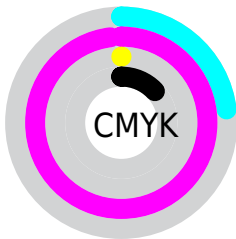
Distribution



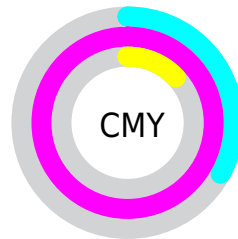
- Red (67%)
- Green (2%)
- Blue (87%)



- Red (67%)
- Yellow (2%)
- Blue (87%)



- Cyan (23%)
- Magenta (98%)
- Yellow (0%)
- Black (13%)





- Cyan (33%)
- Magenta (99%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 105.828, 319.500 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, 105.828, 319.500 by changing the saturation by 10% instead.


 44, 105.828,
319.500


 44, 105.828,
319.500


 100, 105.828,
319.500


 34, 105.828,
319.500


 64, 105.828,
319.500


 24, 105.828,
319.500


 74, 105.828,
319.500


 14, 105.828,
319.500

 84, 105.828,
319.500

 4, 105.828,
319.500

 94, 105.828,
319.500

 0, 105.828,
319.500

 44, 105.828,

 44, 105.828,

319.500

319.500

■ 44, 106.296,
319.407

■ 46, 102.445,
319.995

■ 48, 96.309,
320.238

■ 52, 87.537,
320.251

■ 56, 76.704,
320.083

■ 61, 64.461,
319.788

■ 66, 51.385,
319.411

■ 72, 37.917,
318.989

■ 77, 24.368,
318.545

■ 83, 10.941,
318.094

Harmonies

Complementary

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



44, 105.828, 319.500



78, 104.534, 134.249

Rectangle

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



44, 105.828, 319.500



44, 105.828, 9.500



44, 105.828, 139.500



44, 105.828, 189.500

Sweetspot

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



44, 105.827, 319.500



81, 43.697, 319.030



35, 98.394, 300.492



40, 30.012, 319.215



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, 105.827, 319.500



50, 118.492, 319.342



50, 85.414, 341.298



43, 7.466, 318.147



34, 88.657, 319.537



5, 33.302, 319.811

Inverse Universe

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



47, 81.115, 26.540



54, 91.758, 27.935



77, 97.980, 139.792



43, 4.859, 1.461



36, 67.925, 26.433



5, 23.778, 10.106

Previews

White Background



This preview shows how the CIELCh color 44, 105.828, 319.500 looks on a white background.

Color Contrast Check

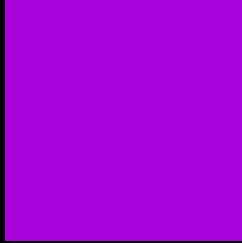
Large Text (above 18pt) WCAG AA ✓ Pass

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, 105.828, 319.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

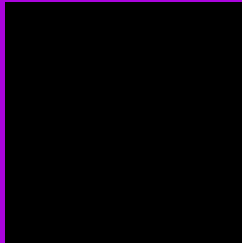
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 44, 105.828, 319.500

Background



This preview shows how black text looks on a background with the CIELCh color 44, 105.828, 319.500.



This preview shows how white text looks on a background with the CIELCh color 44, 105.828, 319.500.

319.500.

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, 105.828, 319.500

Protanopia

45, 67.491, 286.952

Deuteranopia

45, 49.404, 275.794



Tritanopia
44, 28.309, 16.527

Trichromacy



Original Color
44, 105.828, 319.500

Protanomaly
38, 90.494, 301.404

Deuteranomaly
37, 78.831, 299.694

Tritanomaly
41, 57.502, 333.889

Monochromacy



Original Color
44, 105.828, 319.500

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 51.871, 319.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 105.828, 319.500 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, 4, 221)` looks like.

```
.text, #text, p{  
    color:rgb(170, 4, 221)  
}
```

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, 4, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 4, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 105.828, 319.500 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, 4, 221) }
```

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

```
.border{ border-color:rgb(170, 4, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 4, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 4, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 4, 221);  
box-shadow:4px 4px 4px 4px rgb(170, 4,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 105.828, 319.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 4, 221) }
```

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

```
.background{ background-color: rgb(170, 4,  
221) }
```

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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