

Converting Colors

CIELCh(57, 106.625, 321.447)

Have a look what the booklet for
CIELCh(57, 106.625, 321.447)
contains.

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Color

CIELCh(57, 106.516, 321.387)

Conversions

Conversions Part 1

Format	Color
Hex	D83BFF
RGB	216, 59, 255
RGB Percent	85%, 23%, 100%
CMY	0.1532, 0.7689, 0.0003
CMYK	0.15, 0.77, 0.00, 0.00
HSL	288°, 100%, 62%
HSV	288°, 77%, 100%
XYZ	47.8960, 24.9227, 96.8365
YIQ	128.2870, 30.6560, 94.2400

Conversions

Conversions Part 2

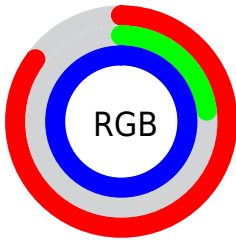
Format	Color
R _{YB}	216, 59, 255
Decimal	14171135
CIE _{Lab}	57.00, 83.23, -66.47
CIE _{LCh}	57, 106.516, 321.387
Yxy	24.9227, 0.2823, 0.1469
Android (android.graphics.Color)	4292361215 (0xFFD83BFF)
YUV	128.2870, 62.4695, 76.9243
Hunter-Lab	49.9226, 83.8893, -80.0609

Details

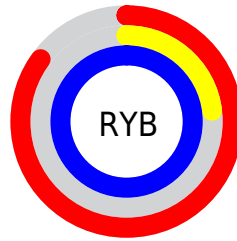
The CIELCh color **57, 106.516, 321.387** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 105.065, 134.428**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 80.052, 327.139**, and **40, 97.106, 320.389** is the 20% darker color. If you saturate the color by 10%, you get **54, 113.375, 321.196**, and if you desaturate by 10%, it is **61, 96.695, 321.366**.

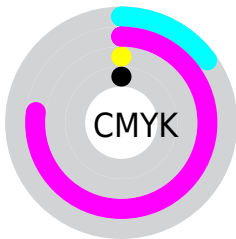
Distribution



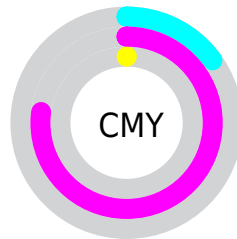
- Red (85%)
- Green (23%)
- Blue (100%)



- Red (85%)
- Yellow (23%)
- Blue (100%)



- Cyan (15%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (77%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 106.516, 321.387 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 57, 106.516, 321.387 by changing the saturation by 10% instead.


 57, 106.516,
321.387


 57, 106.516,
321.387


 100, 106.516,
321.387


 47, 106.516,
321.387


 77, 106.516,
321.387


 37, 106.516,
321.387


 87, 106.516,
321.387

 27, 106.516,
321.387

 97, 106.516,
321.387

 17, 106.516,
321.387

 7, 106.516,
321.387

 0, 106.516,
321.387

57, 106.516,
321.387

57, 106.516,
321.387

54, 113.375,
321.196

61, 96.695,
321.366

52, 117.045,
320.765

65, 84.539,
321.177

52, 117.796,
320.602

71, 70.766,
320.867

76, 56.023,
320.479

83, 40.816,
320.045

89, 25.501,
319.590

95, 10.315,
319.124

100, 0.023,

Harmonies

Complementary

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



57, 106.516, 321.387



89, 105.065, 134.428

Rectangle

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



57, 106.516, 321.387



57, 106.516, 11.387



57, 106.516, 141.387



57, 106.516, 191.387

Sweetspot

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



57, 106.514, 321.387



85, 34.867, 319.869



48, 91.074, 296.427



43, 24.169, 320.032



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 106.514, 321.387



53, 115.661, 321.006



60, 86.996, 341.310



50, 8.536, 319.248



39, 94.849, 320.724



10, 43.488, 321.574

Inverse Universe

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



57, 77.861, 19.014



54, 89.003, 26.406



89, 90.735, 145.196



50, 5.427, 4.161



40, 74.995, 29.673



10, 31.990, 18.786

Previews

White Background



This preview shows how the CIELCh color 57, 106.516, 321.387 looks on a white background.

Color Contrast Check

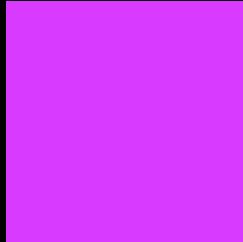
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 106.516, 321.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

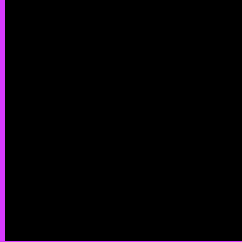
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 106.516, 321.387

Background



This preview shows how black text looks on a background with the CIELCh color 57, 106.516, 321.387.



This preview shows how white text looks on a background with the CIELCh color 57, 106.516, 321.387.

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

57, 106.516, 321.387

Protanopia

57, 69.597, 286.908

Deuteranopia

57, 59.998, 278.654



Tritanopia
57, 36.398, 16.974

Trichromacy



Original Color
57, 106.516, 321.387



Protanomaly
54, 85.097, 301.849



Deuteranomaly
53, 78.599, 298.113



Tritanomaly
55, 56.860, 339.696

Monochromacy



Original Color
57, 106.516, 321.387



Achromatopsia
54, 0.007, 296.813



Achromatomaly
52, 45.406, 320.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 106.516, 321.387 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(216, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 59, 255)  
}
```

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(216, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 59, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 106.516, 321.387 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(216, 59, 255) }
```

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

```
.border{ border-color:rgb(216, 59, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 59, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 59,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 106.516, 321.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 59, 255) }
```

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

```
.background{ background-color: rgb(216, 59,  
255) }
```

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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