

Converting Colors

CIELCh(58, 95.010, 311.931)

Have a look what the booklet for
CIELCh(58, 95.010, 311.931)
contains.

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Color

CIELCh(57, 89.987, 312.742)

Conversions

Conversions Part 1

Format	Color
Hex	B260FE
RGB	178, 96, 254
RGB Percent	70%, 38%, 100%
CMY	0.3028, 0.6240, 0.0048
CMYK	0.30, 0.62, 0.00, 0.00
HSL	271°, 98%, 69%
HSV	271°, 62%, 100%
XYZ	40.3323, 24.9227, 96.2576
YIQ	138.5300, -1.8460, 66.5220

Conversions

Conversions Part 2

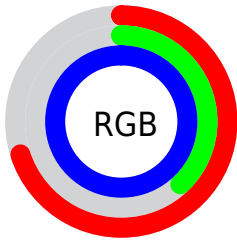
Format	Color
RYB	178, 96, 254
Decimal	11690238
CIELab	57.00, 61.07, -66.09
CIELCh	57, 89.987, 312.742
Yxy	24.9227, 0.2497, 0.1543
Android (android.graphics.Color)	4289880318 (0xFFB260FE)
YUV	138.5300, 56.9267, 34.6152
Hunter-Lab	49.9226, 56.8450, -79.3734

Details

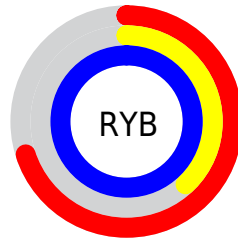
The CIELCh color **57, 89.987, 312.742** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **92, 82.241, 127.023**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 62.767, 321.501**, and **37, 89.921, 312.820** is the 20% darker color. If you saturate the color by 10%, you get **51, 102.802, 313.012**, and if you desaturate by 10%, it is **63, 75.852, 312.315**.

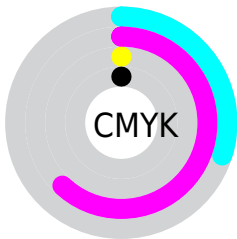
Distribution



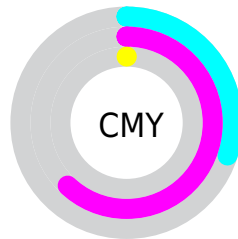
- Red (70%)
- Green (38%)
- Blue (100%)



- Red (70%)
- Yellow (38%)
- Blue (100%)



- Cyan (30%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (62%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 89.987, 312.742 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, 89.987, 312.742 by changing the saturation by 10% instead.

 57, 89.987,
312.742

 57, 89.987,
312.742

 100, 89.987,
312.742

 47, 89.987,
312.742

 77, 89.987,
312.742

 37, 89.987,
312.742

 87, 89.987,
312.742

 27, 89.987,
312.742

 97, 89.987,
312.742

 17, 89.987,
312.742

 7, 89.987, 312.742

 0, 89.987, 312.742

57, 89.987,
312.742

57, 89.987,
312.742

51, 102.802,
313.012

63, 75.852,
312.315

47, 113.350,
313.019

70, 61.116,
311.810

43, 120.654,
312.651

77, 46.247,
311.279

41, 124.080,
312.110

84, 31.525,
310.756

91, 17.105,
310.260

98, 3.068, 309.766

100, 0.612,
110.006

Harmonies

Complementary

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



57, 89.987, 312.742



92, 82.241, 127.023

Rectangle

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



57, 89.987, 312.742



57, 89.987, 2.742



57, 89.987, 132.742



57, 89.987, 182.742

Sweetspot

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



57, 89.986, 312.742



86, 26.953, 310.594



69, 47.496, 270.768



44, 18.619, 310.738



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, 89.986, 312.742



50, 106.420, 313.045



67, 91.595, 328.062



49, 7.961, 310.130



30, 100.128, 312.304



6, 44.878, 313.393

Inverse Universe

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



64, 67.332, 352.476



59, 76.945, 355.514



89, 92.890, 139.283



50, 6.304, 345.440



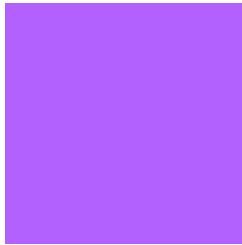
41, 68.088, 3.904



10, 31.705, 358.016

Previews

White Background



This preview shows how the CIELCh color 57, 89.987, 312.742 looks on a white background.

Color Contrast Check

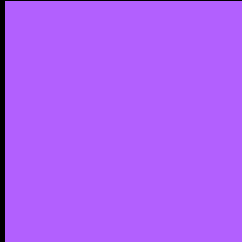
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 57, 89.987, 312.742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

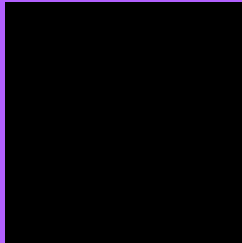
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 89.987, 312.742

Background



This preview shows how black text looks on a background with the CIELCh color 57, 89.987, 312.742.



This preview shows how white text looks on a background with the CIELCh color 57, 89.987, 312.742.

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





Tritanopia
57, 12.512, 353.807

Trichromacy



Original Color
57, 90.034, 312.751



Protanomaly
56, 76.702, 296.577



Deuteranomaly
55, 71.550, 290.921



Tritanomaly
56, 40.249, 318.801

Monochromacy



Original Color
57, 90.034, 312.751



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 34.292, 310.888

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 89.987, 312.742 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(178, 96, 254)` looks like.

```
.text, #text, p{  
    color:rgb(178, 96, 254)  
}
```

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(178, 96, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 96, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 89.987, 312.742 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(178, 96, 254) }
```

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

```
.border{ border-color:rgb(178, 96, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 96, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 96, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 96, 254);  
box-shadow:4px 4px 4px 4px rgb(178, 96,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 89.987, 312.742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 96, 254) }
```

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

```
.background{ background-color: rgb(178, 96,  
254) }
```

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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