

Converting Colors

CIELCh(57, 82.782, 311.348)

Have a look what the booklet for
CIELCh(57, 82.782, 311.348)
contains.

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Color

CIELCh(57, 83.192, 311.349)

Conversions

Conversions Part 1

Format	Color
Hex	AB66F7
RGB	171, 102, 247
RGB Percent	67%, 40%, 97%
CMY	0.3289, 0.5995, 0.0308
CMYK	0.31, 0.59, 0.00, 0.03
HSL	269°, 90%, 68%
HSV	269°, 59%, 97%
XYZ	38.3954, 24.9227, 90.8907
YIQ	139.1610, -5.4210, 59.7230

Conversions

Conversions Part 2

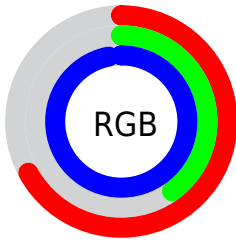
Format	Color
R _Y B	171, 102, 247
Decimal	11233015
CIE Lab	57.00, 54.96, -62.45
CIE LCh	57, 83.192, 311.349
Yxy	24.9227, 0.2490, 0.1616
Android (android.graphics.Color)	4289423095 (0xFFAB66F7)
YUV	139.1610, 53.1646, 27.9228
Hunter-Lab	49.9226, 49.9194, -72.9995

Details

The CIELCh color **57, 83.192, 311.349** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **90, 75.628, 125.591**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 58.344, 318.896**, and **37, 83.213, 311.383** is the 20% darker color. If you saturate the color by 10%, you get **51, 96.548, 311.764**, and if you desaturate by 10%, it is **63, 68.934, 310.819**.

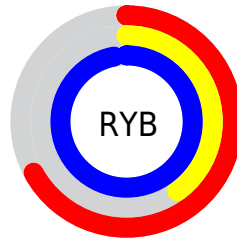
Distribution



Red (67%)

Green (40%)

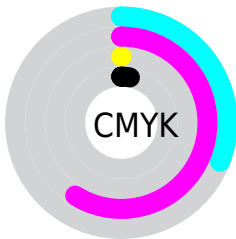
Blue (97%)



Red (67%)

Yellow (40%)

Blue (97%)

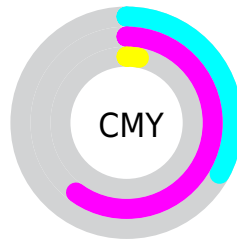


Cyan (31%)

Magenta (59%)

Yellow (0%)

Black (3%)



Cyan (33%)

Magenta (60%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 83.192, 311.349 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, 83.192, 311.349 by changing the saturation by 10% instead.

 57, 83.192,
311.349


 57, 83.192,
311.349

 100, 83.192,
311.349

 47, 83.192,
311.349


 77, 83.192,
311.349

 37, 83.192,
311.349

 87, 83.192,
311.349

 27, 83.192,
311.349

 97, 83.192,
311.349

 17, 83.192,
311.349

 7, 83.192, 311.349

 0, 83.192, 311.349

57, 83.192,
311.349

57, 83.192,
311.349

51, 96.548,
311.764

63, 68.934,
310.819

46, 108.131,
311.959

70, 54.372,
310.244

42, 116.887,
311.812

77, 39.865,
309.669

39, 122.157,
311.242

84, 25.616,
309.122

39, 122.738,
311.160

91, 11.730,
308.611

98, 1.748, 128.239

100, 3.978,
109.861

Harmonies

Complementary

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



57, 83.192, 311.349



90, 75.628, 125.591

Rectangle

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



57, 83.192, 311.349



57, 83.192, 1.349



57, 83.192, 131.349



57, 83.192, 181.349

Sweetspot

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



57, 83.191, 311.349



87, 25.299, 309.087



71, 41.037, 263.862



44, 17.652, 309.243



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, 83.191, 311.349



52, 100.710, 311.808



66, 86.272, 326.380



47, 7.633, 308.651



29, 99.021, 311.357



5, 41.426, 311.692

Inverse Universe

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



64, 64.131, 348.991



61, 75.022, 351.202



87, 86.841, 138.738



48, 6.273, 343.113



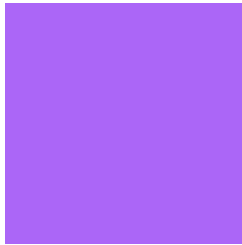
40, 67.213, 359.752



9, 30.500, 354.044

Previews

White Background



This preview shows how the CIELCh color 57, 83.192, 311.349 looks on a white background.

Color Contrast Check

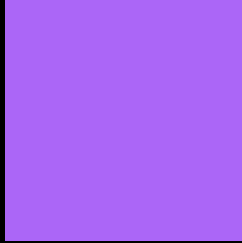
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.192, 311.349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

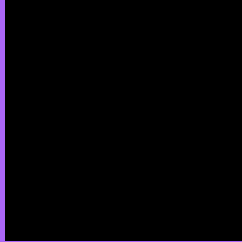
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 83.192, 311.349

Background



This preview shows how black text looks on a background with the CIELCh color 57, 83.192, 311.349.

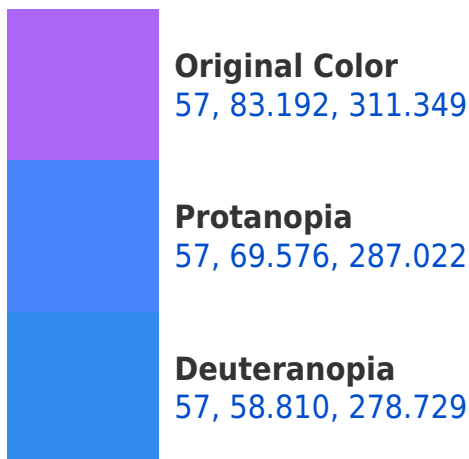


This preview shows how white text looks on a background with the CIELCh color 57, 83.192, 311.349.

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, 9.747, 344.715

Trichromacy



Original Color
57, 83.192, 311.349



Protanomaly
56, 73.891, 295.340



Deuteranomaly
56, 66.773, 291.028



Tritanomaly
56, 36.911, 315.020

Monochromacy



Original Color
57, 83.192, 311.349



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 31.126, 309.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 83.192, 311.349 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(171, 102, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 102, 247)  
}
```

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(171, 102, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 102, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 83.192, 311.349 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(171, 102, 247) }
```

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

```
.border{ border-color:rgb(171, 102, 247) }
```

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

Here you see how a box with a 4 pixel rgb(171, 102, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 102, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 102, 247);  
box-shadow:4px 4px 4px 4px rgb(171, 102,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 83.192, 311.349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 102, 247) }
```

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

```
.background{ background-color: rgb(171,  
102, 247) }
```

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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