

Converting Colors

CIELCh(57, 85.980, 309.977)

Have a look what the booklet for
CIELCh(57, 85.980, 309.977)
contains.

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Color

CIELCh(57, 85.592, 309.976)

Conversions

Conversions Part 1

Format	Color
Hex	A767FD
RGB	167, 103, 253
RGB Percent	65%, 40%, 99%
CMY	0.3460, 0.5969, 0.0088
CMYK	0.34, 0.59, 0.00, 0.01
HSL	266°, 97%, 70%
HSV	266°, 59%, 99%
XYZ	38.4046, 24.9227, 95.5108
YIQ	139.2360, -10.0060, 60.2180

Conversions

Conversions Part 2

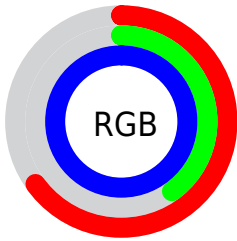
Format	Color
R _Y B	167, 103, 253
Decimal	10971133
CIE Lab	57.00, 54.99, -65.59
CIE LCh	57, 85.592, 309.976
Yxy	24.9227, 0.2418, 0.1569
Android (android.graphics.Color)	4289161213 (0xFFA767FD)
YUV	139.2360, 56.0857, 24.3490
Hunter-Lab	49.9226, 49.9525, -78.4864

Details

The CIELCh color $57, 85.592, 309.976$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $93, 76.741, 123.737$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $75, 57.307, 317.520$, and $37, 85.465, 310.027$ is the 20% darker color. If you saturate the color by 10%, you get $51, 99.389, 310.487$, and if you desaturate by 10%, it is $64, 70.940, 309.356$.

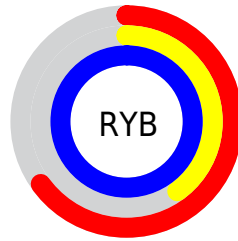
Distribution



Red (65%)

Green (40%)

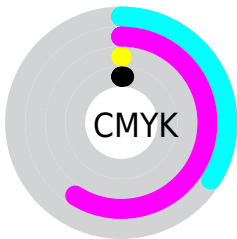
Blue (99%)



Red (65%)

Yellow (40%)

Blue (99%)

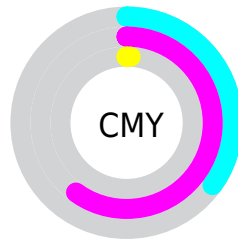


Cyan (34%)

Magenta (59%)

Yellow (0%)

Black (1%)



Cyan (35%)


Magenta (60%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 85.592, 309.976 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, 85.592, 309.976 by changing the saturation by 10% instead.


 57, 85.592,
309.976


 57, 85.592,
309.976


 100, 85.592,
309.976


 47, 85.592,
309.976


 77, 85.592,
309.976

 37, 85.592,
309.976

 87, 85.592,
309.976

 27, 85.592,
309.976

 97, 85.592,
309.976

 17, 85.592,
309.976

 7, 85.592, 309.976

 0, 85.592, 309.976

57, 85.592,
309.976

57, 85.592,
309.976

51, 99.389,
310.487

64, 70.940,
309.356

46, 111.398,
310.774

71, 56.049,
308.704

41, 120.452,
310.698

78, 41.275,
308.065

38, 125.878,
310.185

85, 26.810,
307.465

38, 126.187,
310.149

92, 12.745,
306.914

100, 0.881,
126.560

100, 1.127,
110.025

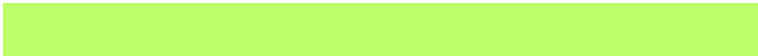
Harmonies

Complementary

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



57, 85.592, 309.976



93, 76.741, 123.737

Rectangle

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



57, 85.592, 309.976



57, 85.592, 359.976



57, 85.592, 129.976



57, 85.592, 179.976

Sweetspot

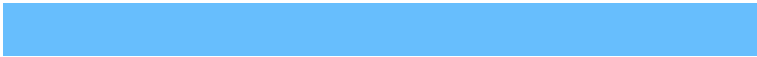
The Sweet Spot groups the original color and five complimentary colors.



57, 85.591, 309.976



87, 25.088, 307.389



74, 39.657, 257.738



44, 17.510, 307.557



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, 85.591, 309.976



50, 102.268, 310.555



66, 88.102, 324.846



49, 7.821, 306.924



28, 102.115, 310.332



5, 44.915, 310.891

Inverse Universe

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



65, 67.625, 346.082



61, 77.508, 348.099



89, 88.136, 137.737



50, 6.711, 340.604



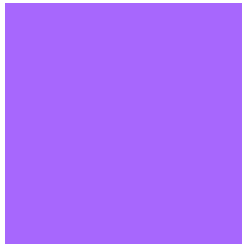
42, 69.600, 355.318



11, 32.747, 350.879

Previews

White Background



This preview shows how the CIELCh color 57, 85.592, 309.976 looks on a white background.

Color Contrast Check

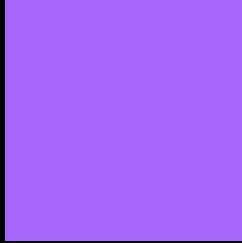
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.592, 309.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

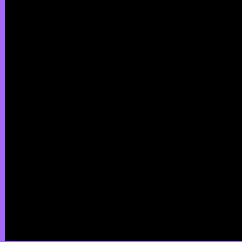
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 85.592, 309.976

Background



This preview shows how black text looks on a background with the CIELCh color 57, 85.592, 309.976.



This preview shows how white text looks on a background with the CIELCh color 57, 85.592, 309.976.

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, 7.414, 329.844

Trichromacy



Original Color
57, 85.592, 309.976



Protanomaly
56, 74.992, 295.329



Deuteranomaly
55, 69.819, 289.347



Tritanomaly
56, 36.649, 310.960

Monochromacy



Original Color
57, 85.592, 309.976



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 32.036, 308.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 85.592, 309.976 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(167, 103, 253)` looks like.

```
.text, #text, p{  
    color:rgb(167, 103, 253)  
}
```

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(167, 103, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 103, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 85.592, 309.976 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(167, 103, 253) }
```

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

```
.border{ border-color:rgb(167, 103, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 103, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 103, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 103, 253);  
box-shadow:4px 4px 4px 4px rgb(167, 103,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 85.592, 309.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 103, 253) }
```

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

```
.background{ background-color: rgb(167,  
103, 253) }
```

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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