

Converting Colors

CIELCh(57, 50.646, 303.722)

Have a look what the booklet for
CIELCh(57, 50.646, 303.722)
contains.

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Color

CIELCh(57, 50.806, 303.639)

Conversions

Conversions Part 1

Format	Color
Hex	927BD3
RGB	146, 123, 211
RGB Percent	57%, 48%, 83%
CMY	0.4280, 0.5182, 0.1732
CMYK	0.31, 0.42, 0.00, 0.17
HSL	256°, 50%, 65%
HSV	256°, 42%, 83%
XYZ	30.6302, 24.9227, 64.7203
YIQ	139.9090, -14.5400, 32.2440

Conversions

Conversions Part 2

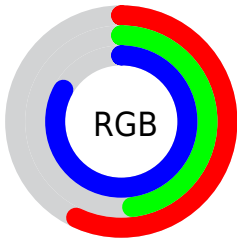
Format	Color
R_{YB}	146, 123, 211
Decimal	9599955
CIE _{Lab}	57.00, 28.14, -42.30
CIE _{LCh}	57, 50.806, 303.639
Yxy	24.9227, 0.2547, 0.2072
Android (android.graphics.Color)	4287790035 (0xFF927BD3)
YUV	139.9090, 35.0479, 5.3418
Hunter-Lab	49.9226, 22.1546, -41.9185

Details

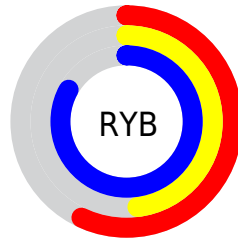
The CIELCh color $57, 50.806, 303.639$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $81, 46.289, 117.789$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 43.510, 304.920$, and $37, 50.747, 303.459$ is the 20% darker color. If you saturate the color by 10%, you get $51, 63.898, 304.660$, and if you desaturate by 10%, it is $64, 37.982, 302.695$.

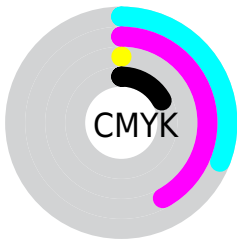
Distribution



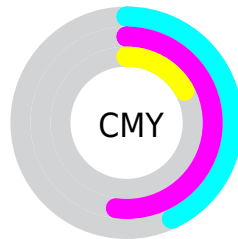
- Red (57%)
- Green (48%)
- Blue (83%)



- Red (57%)
- Yellow (48%)
- Blue (83%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)
- Black (17%)





- Cyan (43%)
- Magenta (52%)
- Yellow (17%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 50.806, 303.639 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, 50.806, 303.639 by changing the saturation by 10% instead.


 57, 50.806,
303.639


 57, 50.806,
303.639


 100, 50.806,
303.639

 47, 50.806,
303.639


 77, 50.806,
303.639

 37, 50.806,
303.639

 87, 50.806,
303.639

 27, 50.806,
303.639

 97, 50.806,
303.639

 17, 50.806,
303.639

 7, 50.806, 303.639

 0, 50.806, 303.639

57, 50.806,
303.639

57, 50.806,
303.639

51, 63.898,
304.660

64, 37.982,
302.695

44, 76.991,
305.708

70, 25.548,
301.846

39, 89.542,
306.692

77, 13.543,
301.095

34, 100.608,
307.459

83, 1.969, 300.425

90, 9.188, 119.880

30, 108.884,
307.810

96, 19.949,
119.387

28, 113.329,
307.787

99, 22.306,
108.608

99, 22.306,
108.488

Harmonies

Complementary

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



57, 50.806, 303.639



81, 46.289, 117.789

Rectangle

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



57, 50.806, 303.639



57, 50.806, 353.639



57, 50.806, 123.639



57, 50.806, 173.639

Sweetspot

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



57, 50.805, 303.639



90, 17.559, 301.195



73, 23.345, 229.099



46, 12.336, 301.357



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, 50.805, 303.639



62, 71.956, 304.536



61, 53.736, 319.073



41, 6.480, 300.934



21, 95.654, 307.916



2, 25.889, 299.795

Inverse Universe

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



63, 47.358, 335.747



71, 65.212, 336.479



78, 52.463, 135.091



41, 6.410, 333.353



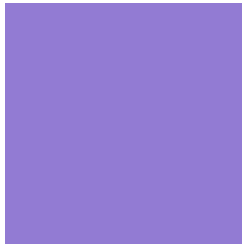
38, 69.464, 342.005



5, 25.429, 338.766

Previews

White Background



This preview shows how the CIELCh color 57, 50.806, 303.639 looks on a white background.

Color Contrast Check

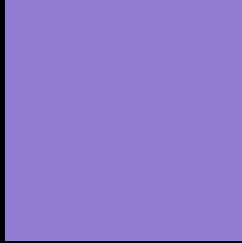
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.806, 303.639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

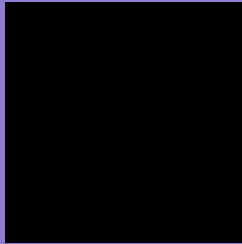
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 50.806, 303.639

Background



This preview shows how black text looks on a background with the CIELCh color 57, 50.806, 303.639.

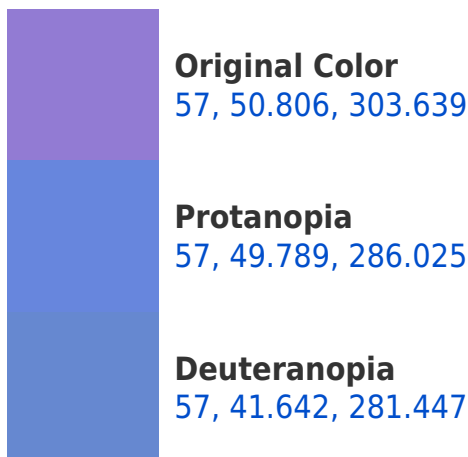


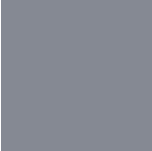
This preview shows how white text looks on a background with the CIELCh color 57, 50.806, 303.639.

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, 5.874, 275.950

Trichromacy



Original Color
57, 50.806, 303.639

Protanomaly
57, 49.566, 292.040

Deuteranomaly
57, 44.523, 290.251

Tritanomaly
57, 21.884, 298.237

Monochromacy



Original Color
57, 50.806, 303.639

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 18.541, 301.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 50.806, 303.639 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(146, 123, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 123, 211)  
}
```

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(146, 123, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 123, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 50.806, 303.639 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(146, 123, 211) }
```

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

```
.border{ border-color:rgb(146, 123, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 123, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 123, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 123, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 123,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 50.806, 303.639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 123, 211) }
```

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

```
.background{ background-color: rgb(146,  
123, 211) }
```

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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