

Converting Colors

CIELCh(57, 31.171, 309.846)

Have a look what the booklet for
CIELCh(57, 31.171, 309.846)
contains.

CIELCh(57, 31.088, 309.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(57, 31.088, 309.820)

Conversions

Conversions Part 1

Format	Color
Hex	987FB3
RGB	152, 127, 179
RGB Percent	60%, 50%, 70%
CMY	0.4058, 0.5038, 0.3000
CMYK	0.15, 0.29, 0.00, 0.30
HSL	269°, 25%, 60%
HSV	269°, 29%, 70%
XYZ	28.4750, 24.9227, 45.6961
YIQ	140.4030, -1.7920, 21.4720

Conversions

Conversions Part 2

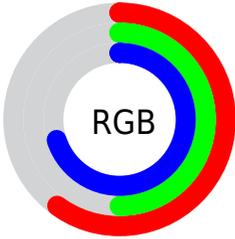
Format	Color
RYB	152, 127, 179
Decimal	9994163
CIELab	57.00, 19.91, -23.88
CIElCh	57, 31.088, 309.820
Yxy	24.9227, 0.2874, 0.2515
Android (android.graphics.Color)	4288184243 (0xFF987FB3)
YUV	140.4030, 19.0283, 10.1706
Hunter-Lab	49.9226, 14.4486, -19.3246

Details

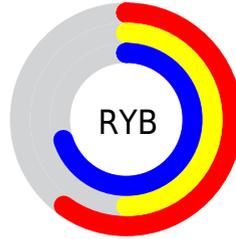
The CIELCh color **57, 31.088, 309.820** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70, 29.811, 127.039**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 31.094, 309.879**, and **37, 30.786, 309.531** is the 20% darker color. If you saturate the color by 10%, you get **52, 42.222, 310.377**, and if you desaturate by 10%, it is **62, 20.143, 309.287**.

Distribution



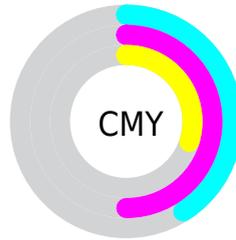
- Red (60%)
- Green (50%)
- Blue (70%)



- Red (60%)
- Yellow (50%)
- Blue (70%)



- Cyan (15%)
- Magenta (29%)
- Yellow (0%)
- Black (30%)



- Cyan (41%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 31.088, 309.820 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, 31.088, 309.820 by changing the saturation by 10% instead.

■ 57, 31.088,
309.820

■ 57, 31.088,
309.820

■ 100, 31.088,
309.820

■ 47, 31.088,
309.820

■ 77, 31.088,
309.820

■ 37, 31.088,
309.820

■ 87, 31.088,
309.820

■ 27, 31.088,
309.820

■ 97, 31.088,
309.820

■ 17, 31.088,
309.820

■ 7, 31.088, 309.820

■ 0, 31.088, 309.820

57, 31.088,
309.820

57, 31.088,
309.820

52, 42.222,
310.377

62, 20.143,
309.287

47, 53.401,
310.935

68, 9.469, 308.789

42, 64.362,
311.451

73, 0.899, 128.467

37, 74.680,
311.862

79, 10.950,
127.962

33, 83.729,
312.072

84, 20.685,
127.602

30, 90.740,
311.968

89, 30.116,
127.287

28, 95.451,
311.529

95, 39.254,
127.013

27, 95.854,

96, 40.104,
123.325

311.495

 97, 39.214,
118.500

Harmonies

Complementary

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



57, 31.088, 309.820



70, 29.811, 127.039

Rectangle

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



57, 31.088, 309.820



57, 31.088, 359.820



57, 31.088, 129.820



57, 31.088, 179.820

Sweetspot

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



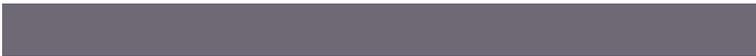
57, 31.086, 309.820



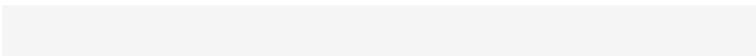
86, 11.576, 308.791



62, 16.252, 256.078



45, 8.126, 308.861



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

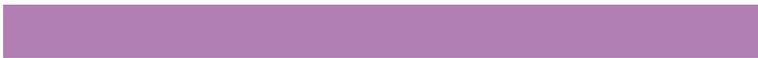
The Same Dimension uses a secret algorithm to generate beautiful new colors.



57, 31.086, 309.820



69, 46.600, 310.179



60, 34.500, 325.046



35, 5.887, 308.799



23, 85.439, 311.631



1, 13.798, 304.607

Inverse Universe

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



59, 25.167, 345.221



72, 37.474, 345.931



68, 34.440, 141.659



35, 4.819, 343.333



33, 58.184, 359.526



2, 10.725, 348.783

Previews

White Background



This preview shows how the CIELCh color 57, 31.088, 309.820 looks on a white background.

Color Contrast Check

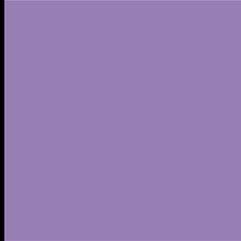
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.088, 309.820 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

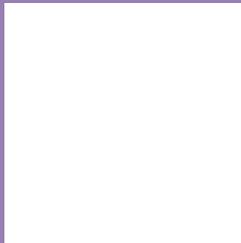
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 31.088, 309.820

Background



This preview shows how black text looks on a background with the CIELCh color 57, 31.088, 309.820.



This preview shows how white text looks on a background with the CIELCh color 57, 31.088, 309.820.

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, 31.088, 309.820

Protanopia
57, 28.656, 285.591

Deuteranopia
57, 23.992, 288.052



Tritanopia
57, 8.097, 329.457

Trichromacy



Original Color
57, 31.088, 309.820

Protanomaly
57, 29.155, 294.157

Deuteranomaly
57, 26.384, 296.906

Tritanomaly
57, 16.238, 314.930

Monochromacy



Original Color
57, 31.088, 309.820

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 11.400, 308.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 31.088, 309.820 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(152, 127, 179)` looks like.

```
.text, #text, p{  
    color:rgb(152, 127, 179)  
}
```

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(152, 127, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 127, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 31.088, 309.820 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(152, 127, 179) }
```

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

```
.border{ border-color:rgb(152, 127, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 127, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 127, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 127, 179);  
box-shadow:4px 4px 4px 4px rgb(152, 127,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 31.088, 309.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 127, 179) }
```

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

```
.background{ background-color: rgb(152,  
127, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor