

Converting Colors

CIELCh(57, 56.021, 309.219)

Have a look what the booklet for
CIELCh(57, 56.021, 309.219)
contains.

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Color

CIELCh(57, 56.248, 309.390)

Conversions

Conversions Part 1

Format	Color
Hex	9F75D5
RGB	159, 117, 213
RGB Percent	62%, 46%, 84%
CMY	0.3762, 0.5409, 0.1644
CMYK	0.25, 0.45, 0.00, 0.16
HSL	266°, 53%, 65%
HSV	266°, 45%, 84%
XYZ	32.6990, 24.9227, 66.0838
YIQ	140.5020, -5.7840, 38.7600

Conversions

Conversions Part 2

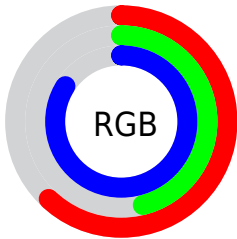
Format	Color
R_{YB}	159, 117, 213
Decimal	10450389
CIE _{Lab}	57.00, 35.69, -43.47
CIE _{LCh}	57, 56.248, 309.390
Yxy	24.9227, 0.2643, 0.2015
Android (android.graphics.Color)	4288640469 (0xFF9F75D5)
YUV	140.5020, 35.7415, 16.2227
Hunter-Lab	49.9226, 29.5518, -43.5378

Details

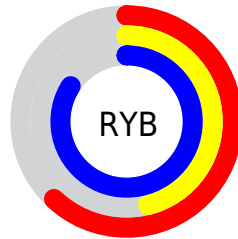
The CIELCh color $57, 56.248, 309.390$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $81, 52.114, 124.676$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $76, 48.169, 311.689$, and $37, 56.670, 309.506$ is the 20% darker color. If you saturate the color by 10%, you get $51, 69.129, 310.007$, and if you desaturate by 10%, it is $63, 43.307, 308.762$.

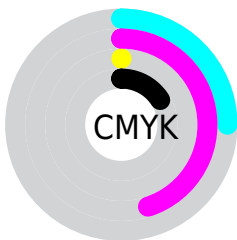
Distribution



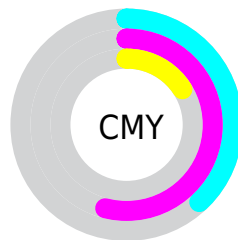
- Red (62%)
- Green (46%)
- Blue (84%)



- Red (62%)
- Yellow (46%)
- Blue (84%)



- Cyan (25%)
- Magenta (45%)
- Yellow (0%)
- Black (16%)





- Cyan (38%)
- Magenta (54%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 57, 56.248, 309.390 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, 56.248, 309.390 by changing the saturation by 10% instead.


 57, 56.248,
309.390


 57, 56.248,
309.390


 100, 56.248,
309.390


 47, 56.248,
309.390


 77, 56.248,
309.390

 37, 56.248,
309.390

 87, 56.248,
309.390

 27, 56.248,
309.390

 97, 56.248,
309.390

 17, 56.248,
309.390

 7, 56.248, 309.390

 0, 56.248, 309.390

57, 56.248,
309.390

57, 56.248,
309.390

51, 69.129,
310.007

63, 43.307,
308.762

46, 81.541,
310.553

69, 30.547,
308.159

41, 92.821,
310.937

76, 18.087,
307.596

36, 102.055,
311.035

82, 5.986, 307.077

88, 5.736, 126.657


33, 108.296,
310.716

95, 17.079,
126.243

32, 110.549,
310.467

98, 21.700,
120.342

99, 21.187,
108.626

 99, 21.187,
108.573

Harmonies

Complementary

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



57, 56.248, 309.390



81, 52.114, 124.676

Rectangle

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



57, 56.248, 309.390



57, 56.248, 359.390



57, 56.248, 129.390



57, 56.248, 179.390

Sweetspot

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



57, 56.247, 309.390



90, 19.429, 307.547



68, 27.520, 255.608



46, 13.457, 307.665



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, 56.247, 309.390



61, 78.430, 309.977



62, 60.361, 324.825



42, 6.789, 307.300



25, 93.608, 310.634



3, 28.608, 306.041

Inverse Universe

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



62, 45.882, 344.688



68, 62.550, 345.939



78, 60.207, 139.459



42, 5.770, 341.130



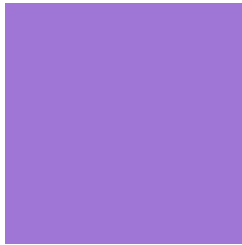
37, 63.838, 355.980



5, 24.255, 349.960

Previews

White Background



This preview shows how the CIELCh color 57, 56.248, 309.390 looks on a white background.

Color Contrast Check

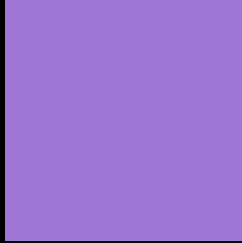
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.248, 309.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

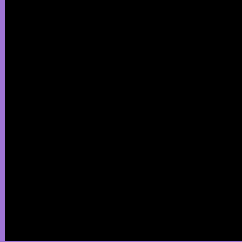
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 56.248, 309.390

Background



This preview shows how black text looks on a background with the CIELCh color 57, 56.248, 309.390.



This preview shows how white text looks on a background with the CIELCh color 57, 56.248, 309.390.

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, 56.248, 309.390

Protanopia
57, 53.758, 286.140

Deuteranopia
57, 41.642, 281.052



Tritanopia
57, 7.667, 332.146

Trichromacy



Original Color
57, 56.248, 309.390

Protanomaly
57, 54.106, 293.765

Deuteranomaly
57, 45.612, 292.660

Tritanomaly
57, 25.124, 313.048

Monochromacy



Original Color
57, 56.248, 309.390

Achromatopsia
59, 0.008, 296.813

Achromatomaly
58, 20.886, 308.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 56.248, 309.390 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(159, 117, 213)` looks like.

```
.text, #text, p{  
    color:rgb(159, 117, 213)  
}
```

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(159, 117, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 117, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 56.248, 309.390 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(159, 117, 213) }
```

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

```
.border{ border-color:rgb(159, 117, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 117, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 117, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 117, 213);  
box-shadow:4px 4px 4px 4px rgb(159, 117,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 56.248, 309.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 117, 213) }
```

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

```
.background{ background-color: rgb(159,  
117, 213) }
```

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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